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

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
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THE—

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—— FLORIST.

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AMERICAN FLORIST COMPANY.
1911.

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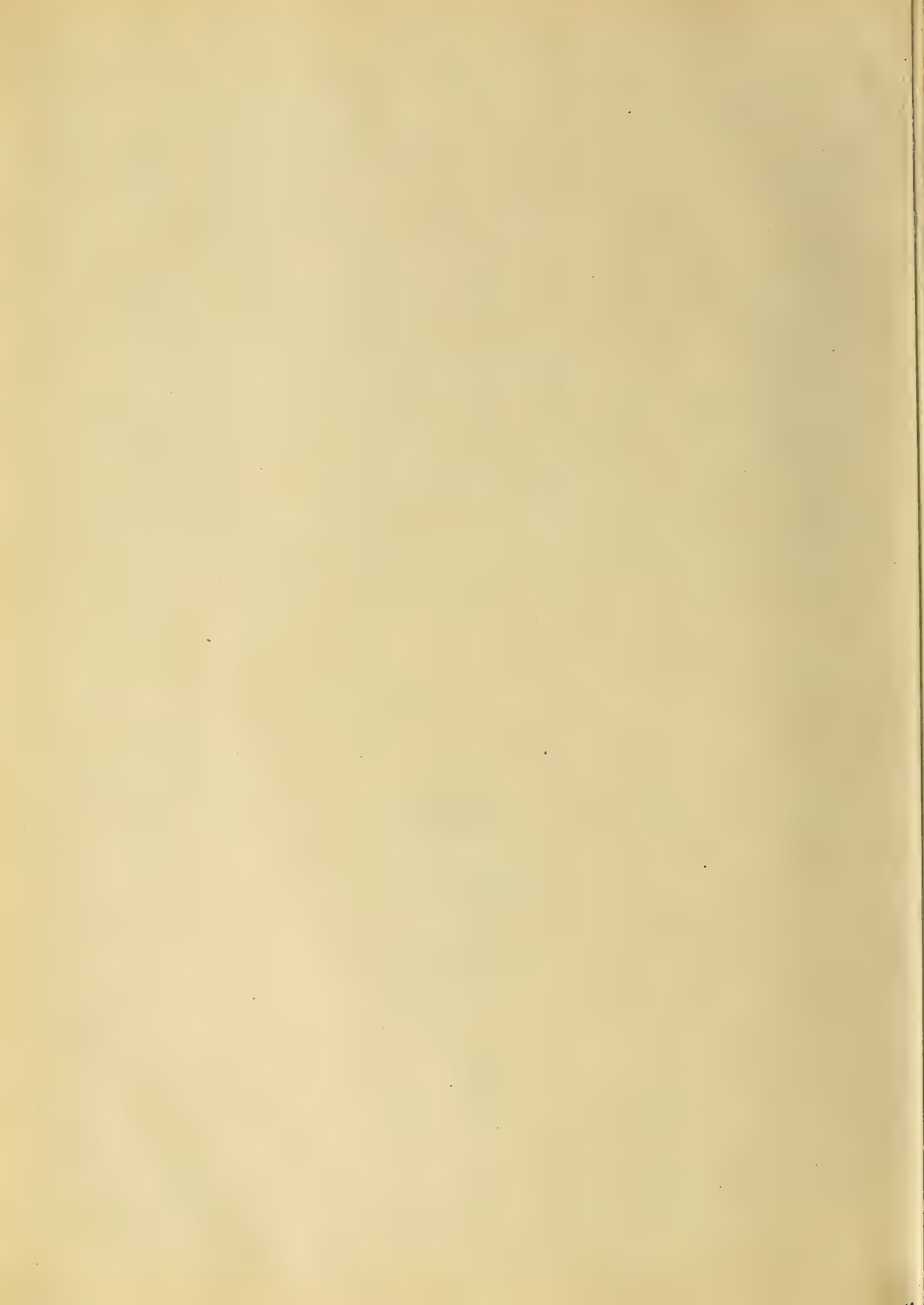
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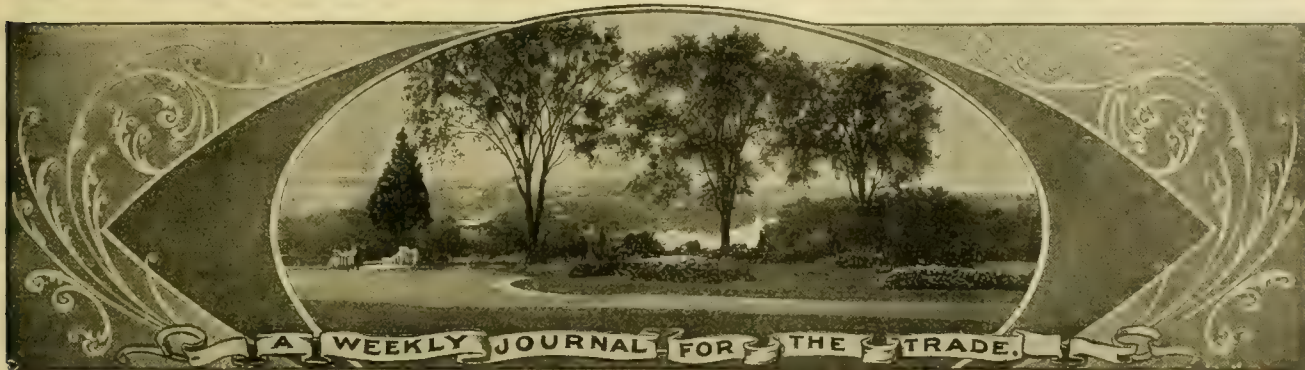
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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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meeting at Rochester, N. Y., August 16-19, 1910.
Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

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tion with the Morris County Gardeners' and
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2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
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eighth St. and Senate Ave., Indianapolis, Ind.,
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AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
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Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

HALF HOUR CHAPTERS FOR FLOWER GROWERS

Freeseias.

The early bulbs of freeseias are now in and those who wish to have the flowers early ought to get busy and obtain their stock. The few bulbs we have seen thus far appear to be in very good condition, well ripened and heavy and this is the kind that should be chosen. Size counts, of course, in a freesia as in any other bulb, but size is only one consideration and a bulb that is heavy and solid for its size is far more likely to produce good flowers than a large, light, poorly cured one. Freeseias are among the most easily grown of bulbous plants and if a few minor details are attended to will generally be satisfactory and give very little trouble to the grower. As to whether they are profitable or not depends entirely upon what kind of demand exists. They do not pay to grow in small quantities for the wholesale market and the grower who only intends growing a few thousand and has no retail outlet for them should think several times before going in for them. But the man who has a retail store and grows a part at least of his stock will find freeseias a paying crop if ordinary skill and care are used. The freesia, it should be kept in mind, is practically a hardy plant, a native of the Cape of Good Hope like the ixia, gladiolus and other cape bulbs, though grown almost exclusively under glass for cutting. This being the case it does not relish hard forcing, so, if flowers are wanted for the Christmas trade, the bulbs should be potted or planted in flats directly they are received and set in a cool partially darkened or shaded position to get established before going into the greenhouses. A little heat may be necessary towards the last to bring the flowers in on time but the less they have the better by all odds. The flats or pots should be filled loosely with soil to the top and the bulbs gently pressed in to the depth of about an inch, or just so that the point of the bulb shows at the surface of the soil. By pressing the soil around them this will be reduced to the right level or about half an inch below the rims of the pots or boxes. Water thor-

oughly when they are placed in position, either in a cool greenhouse under the benches, in a cool shed or a shaded position outside, the latter being the best of all. They will probably need another watering or two—anyway keep the soil from drying out too much—and after a few weeks of this treatment they will be fit to go into the greenhouse for gentle forcing for Christmas. Later batches will, of course, be potted later, the freesia being a bulb that can be flowered over a very long season owing to its ability to rest for a long time if necessary.

Lilium Harrisii.

The arrival of the first cases of Lilium Harrisii means a busy time for the grower who forces this lily for extra early work, for considerable hustling has to be done to get the bulbs potted and grown on so as to flower by Thanksgiving. Even for Christmas flowering the bulbs should not be allowed to lay around for the earlier they are potted the less heat will be needed to bring them in for the great holiday. It is important for early forcing that the true Lilium Harrisii is procured and, as several well known firms are now advertising the new crop bulbs we strongly advise the beginner in their culture to obtain their supplies from such people and not to bother with firms of no repute in this respect. There is none too big a margin of profit in growing any of this class of stock, even when the bulbs are of the best and they are properly handled. When untrue or diseased bulbs are obtained and the risk of doing so is great when buying from unscrupulous dealers, then it is a dead loss to the grower, not only of the price of the bulbs but his season's work as well. As to the grade of stock purchased this will depend upon what is most in demand. If the choicest of lilies are wanted for a high class trade then buy the 7-9-inch bulbs, but if a lower grade is good enough then smaller bulbs can be purchased at a saving of from 20 to 40 per cent. For the smaller bulbs 5-inch pots are large enough, but for the largest 6 or even 7-inch will not be too big. T.

**Turn Your Surplus
Stocks Into Cash
By Advertising in the
Ready Reference
Department.
See Page 37.**

is not important; any good potting compost will do well. Pot the bulbs so only the extreme tip of each shows above the surface and stage them on a cool bottom of ashes in a frame or outside in a plant protector. Give one good watering to settle the soil around the bulbs and cover with a couple of inches of strong litter or decayed manure, to prevent the sun from scorching up the surface and to conserve the moisture in the soil. The pots must be examined occasionally and, if necessary, another watering or two should be given. While the soil must not be kept wet yet a reasonable amount of moisture must be present to feed the advancing growths which will soon be showing. When the growths push through remove the covering by degrees and select the forwardest, most likely looking plants for the earliest forcing and stand the remainder back for the second batch, others being potted in the meantime to carry on a succession. One thing should, however, be noted. It is not always the bulb with the best looking top that has the most roots, and as roots are what are needed for early forcing it may be advisable to turn one or two out of the pots and see how the roots are progressing. A bulb with small top growth and plenty of roots will force more easily and better than one with a good top and few or no roots. Always shade these early batches of lilies in the greenhouse and commence forcing with a night temperature of 65° after they have got used to the change from outdoors. Their subsequent treatment will be described later.

Sparaxis Pulcherrima.

Sparaxis pulcherrima is a native of the Cape of Good Hope and perhaps one of the most graceful and pretty of all the Cape bulbous plants. According to Luther Burbank it is easily raised from seed and flowers freely the second year all through the summer. The colors of the flowers are crimson, pink and white and the spikes are from six to seven feet high. It is related to the *ixias*, but is more difficult to handle than these and other Cape bulbs.

Burbank's Pink Flowering Chives.

The accompanying picture shows the free flowering nature of Burbank's pink-flowering chives. Chives are useful in the kitchen and a bed of them is a good addition to any vegetable garden but these have an ornamental as well as useful side. It is described as a wonderful bloomer, a character that it richly deserves, judging by the picture.

BRAMPTON, Ont.—W. G. Peacock of the Dale Estate reports having a good time in London, Eng., though for the first eight days in the big city he did not see the sun. He speaks very highly of the show of the Royal Horticultural Society at Holland House, on July 6. E. G. Hill, of Richmond, Ind., was among the visitors to the show. He says that most of the 6-inch carnations we hear so much about are wired but that they pay from 9s. to 15s. per dozen (\$2 to \$3.60) for them even in summer.

THE RETAIL TRADE

The Standing Wreath.

SEE SUPPLEMENT WITH THIS ISSUE.

Although opinions are somewhat divided as to the artistic value of the standing wreath, its popularity cannot be questioned and the nature of the design makes it possible to use a great variety of flowers, almost anything, in fact, that may happen to be in season. Just now, when all varieties of gladioli are extremely plentiful, these are excellent for the base of the design, arranged either with their own foliage or with leucothæ sprays. Easter lilies are elegant for the same purpose as are any others of the lily family such as *Lilium speciosum rubrum*, *L. speciosum album* or even *L. candidum*. In the chrysanthemum season a few fine specimens loosely arranged



Cross of Lily of the Valley on Galax. Base of Easter Lilies and Leucothæ.—By Young & Nugent, New York.

with suitable foliage make an elegant base and, in short, almost any bold and striking flower is suitable.

As to the wreath itself there are, of course, various methods of treatment, any flowers used in the ordinary wreath being just as suitable for a standing one. But care must be taken that the flowers do not clash in color with those of the flowers used in the base and an effort should be made to get away from the stereotyped round form by allowing a spray of fern or other greenery or a few flowers to escape from the wreath. Remember, too, that it is not the quantity of stock used in a wreath that gives it its value from an artistic standpoint. A wreath with a few flowers well placed, so that each shows its individuality and stands clear of its neighbors, is far prettier and far better in every way than one with a lot of valuable stock closely arranged so that it has a lumpy, heavy effect. Such a wreath may be made very attractive and show a fair profit at \$10 while higher prices will have to be charged for better work and the use of more valuable stock.

Store Wisdom.

Cleanliness should come first. The shop should be as bright and fresh and free from dust as that of the druggist across on the corner. At this time of year with the doors open the dust soon settles; go after it, chase it out. The stock must always look fresh if you want or expect it to attract attention.

This is inventory time; if you have not already done so take an account of your stock of baskets, pedestals, pot covers, wire work, pottery, etc. You may not think it worth while, but you will be surprised to see how it mounts up. At the same time sort out the poor truck that you have not had the courage to throw away. If a little gold or silver paint or gluing will make it presentable fix it up at once and if not throw it out and get the valuable room. Give the pedestals and pot covers a coat of paint and get them ready for the fall campaign. If the stock seems low go over the list of recent decorations and see if a lot cannot be rounded up.

We know of an order given where, after the arrangements were made, it was added: "You need not send any stands or baskets as there are plenty left here from the last time; my man put them in the cellar and says he phoned you to take them away but they are still there." Ever have anything like this in your experience? And the same is true of cut flower vases; a look over these once in a while in addition to the annual inventory is a great help to keeping the stock intact. Have the wire frames or designs been gone over lately? All sizes of wreaths, crosses and pillows should be on hand as well as easels, wooden and wire, and wire vases or stands to which wreaths and crosses can be attached quickly. There are many emergency cases when these auxiliaries can be used to good advantage, giving an ordinary piece a much more important appearance and greater value. The gates ajar, chair, column and lyre are staples of which a sample should be on hand. Don't get caught like a retailer in a country town we know of who was called upon by a committee to make them a vacant chair. He took the order and said to his man, "John get that chair mossed up," and he answered, "Why, it's out in the Jones lot; don't you mind we made it for the old man's funeral over six years ago?" "Well, jump in the wagon and go get it; these fellows want it early tomorrow."

By the way, what moss do you use for frames? I have seen and in fact have used the green clump moss, but it is much too heavy and when it gets old and dry and is moistened the odor is very unpleasant. Sphagnum is much better. As soon as a bale is opened have it teased out, removing all the sticks and roots and wet it and see that it is kept damp all the time as when handled dry there is a great deal of waste. Use wire bobbins for binding or wrapping on the moss; they are much better than string; number 27 wire is heavy enough. Break in one of the boys to do this work and have a few of the sizes most used always mossed up. It is a great help to have just the sized design wanted mossed up and ready for the flowers when there is a rush on. Do not use box

frames; wreaths, crosses and all flat designs are much better made on single frames. To cover the back wrap it with green foil before mossing, or, if mossed plain, it can be covered with dagger ferns when made up. Bright tin foil lining for frames is very objectionable as it is so conspicuous and always gives the pieces a very unfinished appearance.

Anything of this character to place on marble slabs in the cemetery at such times as Easter or Christmas should, however, be carefully wrap-

That International Delivery Concern.

For the information of the trade in other parts of the country it might be well to take note of an incident that occurred in Albany, N. Y., July 19 when one firm of florists came very near losing \$50. The circumstances attending the whole transaction certainly savor suspiciously and it might be well for all readers of THE FLORIST to be on the lookout for any similar proposition that might be brought to their attention.

representative, the most prominent florist, in each city. The "company" was to begin business August 1 and would have correspondents in New York, Boston, Buffalo, Washington, Baltimore, and other cities in the United States besides connections with prominent florists in Berlin, Paris, London, and other continental cities. Each member of the association was to deliver his orders in a distant city through the association's representative in that city. All the local florist had to do was to telegraph the order to the New York office which would send word to its member in the city concerned. Provision was made for the refunding of telegraph tolls at the end of the year, and certain other advantages were pointed out.

The man was anxious that the deal be closed at once and the money paid over, but Mr. Eyres was not willing to do business without first making a few inquiries. He told the representative to come back in a few hours when the conversation was renewed. He asked the stranger for his card. He had none. Sheet of his letter paper with officers? None. "Well," said Mr. Eyres, "I do not see how I can buy a pig in a bag. I will write first to W. J. Palmer & Son, Buffalo, who you say is your representative in that city, and find out if this proposition is all right." The stranger seemed to be taken back and said that he was not in the habit of waiting two or three days before closing a deal and that some one else in Albany would accept the offer. He then left the store. From Eyres he went to The Rosery, 76 Maiden lane, and there met one of the proprietors, E. P. Tracey. In flowing language he told him that he had heard that The Rosery is a young and enterprising firm and that the "association" he represented had selected that firm as its representative in Albany. He said that the "association" had among its members Galvin of Boston, Thorley of New York, and other prominent florists in other cities. The rate for service in Albany would be \$50 if taken this year and \$100 if delayed until 1911. The thing seemed plausible to Mr. Tracey who had the man draw up a contract to which was



SPARAXIS PULCHERRIMA.

A Graceful Cape Bulb Grown at Luther Burbank's.

ped with good foil before mossing, else the stone will become disfigured from the rust of the wire. Keep a good supply of the knockdown corrugated boxes for carrying and packing designs. It is very injurious to have to crowd a beautiful design into a box much too small for it. If sent by express there is no one to see that disarranged flowers are placed again and one hears little in praise of the work. If packed in a proper sized box it will nearly always arrive safely and give great satisfaction. If the flowers are being sent to persons who may not expect them, notify by mail or telegraph of their coming and this will often help their expeditious delivery. Many country express offices do not deliver, simply notifying by mail the persons to call for a package. Such delay often causes the flowers to arrive too late to be of use for the purpose intended. In these cases customers often refuse to pay for them or pay grudgingly. Mistakes in the addressing which will occur at times would often be straightened at the other end when parties called for a package of which they were notified but which did not bear their exact address. K.

NEW YORK.—One of the largest century plants (*Agave Americana*) in this part of the country is about to bloom in the court of conservatory ridge No. 1 of the Bronx Botanical Gardens. It is a part of the collection of American desert plants in the conservatory.

On the morning of the date named a prosperous looking man about five feet 10 inches tall, dressed in a dark suit, straw hat, with smooth shaven face, and wearing a Masonic blue lodge pin in the lapel of his coat called on H. G. Eyres, 11 North Pearl street. He said he represented the International Floral Association, Marbridge Building, 128 Broadway, New York, and that the company was seeking one repre-



BURBANK'S PINK FLOWERING CHIVES.

signed, as nearly as could be made out, the name "W. H. Eldridge," and Mr. Tracey handed over the firm's check, dated July 31.

After the man left Mr. Tracey called up Welch Bros., Boston, by telephone and asked a representative of that firm to go around to Galvin and ask him what he knew about the "International Floral Association." In a short time Mr. Tracey received from Boston a laconic telegram: "Don't know any such party here. Signed, Welch Bros." Mr. Tracey then telegraphed to Morris Cohen of Wertheimer Bros., ribbon men, New York, and asked him to go up to the Marbridge building, 1328 Broadway, and enquire there about the "association." In time a telegram came from New York: "Could find no such concern. Morris Cohen."

Mr. Tracey then reported the matter to the chief of police and notified his bank to stop payment on the check. On Friday morning, July 22, Mr. Tracey received a letter signed "C. H. Hartman" on a letterhead of the "International Floral Association," returning his check and informing him that the association would not be ready to do business on August 1 but that it might begin in September and would be pleased to receive his check again late in August. R. D.

ORCHID NOTES.

Odontoglossum Crispum.

There would be fewer complaints of this fine orchid being difficult to grow, if those who have it in charge would give a little more thought to the nature of the plant and the conditions under which it grows in its native forests. So different are these to the dry atmosphere they have to come through in their journey to our greenhouses, that the plants are shrivelled up and nearly dead when they arrive. This being so, they require very careful treatment the first season, and if they do not get it and take with a will to their new homes the first year, in all probability they never will.

Take the average shipment of plants that reaches the grower as an instance. There may be a few plants still bearing healthy leaves, but the majority will be found destitute of foliage or only carrying such leaves as have been produced on the trip home. These, it may be noted, have been produced at the expense of the preceding bulb; they have so weakened this that in all probability it will not break strongly again, yet they have not sufficient stamina in themselves, being produced under such unfavorable conditions, to develop into healthy growths and bulbs. For this reason, if the choice rests with the grower, he should in all cases select plants that have remained dormant on passage. But as a rule he has to take the plants as he finds them and to do the best he can to bring them back into shape.

Although it is impossible generally to keep odontoglossums too cool in an ordinary American summer, yet for the first season they are better in every case for a little more heat than usual. A night temperature of 60°, rising by day to 65° when dull, and by sun heat to 75° or 80°, with plenty

of air and a moist atmosphere is the proper place for newly imported *O. crispum*. The plants are usually spread out on sphagnum moss, but finely broken gravel or shingle, or even a latticed stage over a bed of coke or coal ashes is preferable to the moss. Here the plants dry more rapidly, and require more frequent spraying, but this is an advantage. Shade is very necessary, even for established plants; for those under notice it is even more so. No exact rule for spraying can be given. Everything depends upon the weather and the condition of the plants. An axiom to remember is, that no orchid was ever injured by being kept waiting a day for water but a constantly wet condition has killed more plants than any other detail of mistaken culture.

For some reason growers are always in a hurry to give the plants a lot of fiber and moss, either in pots

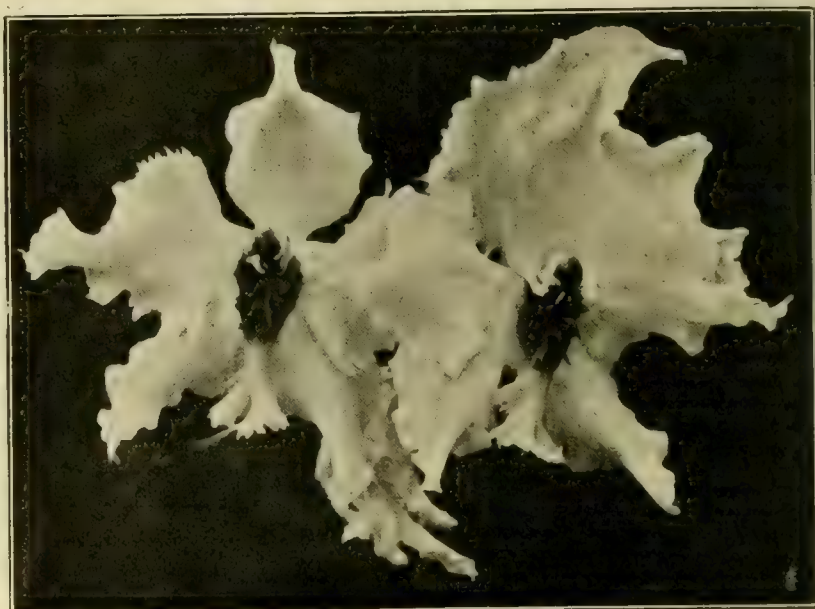
or around them on benches or shelves. Get some clean potsherds or crocks and either pot the plants in these or place them in whatever position they are to occupy, and leave the fiber and moss where it is for a time. Support the plants erect with the crocks, and a few stakes if these are required. Anyway fix them; for if the plants are in such a position that the least touch causes them to move they will never be satisfactory, being unable to obtain a hold. After a few weeks of this treatment the bulbs will plump up and probably either young roots or new growth will appear. Even then, if the season is late autumn, it is better not to place any compost about the plants; just water over the crocks two or three times daily when the weather is bright and let the roots cling to the crocks; they will be all right. But in spring a thin surfacing of peat or fern root and moss may be given. To prepare this pick out any dirt or insects from the moss, and if peat is used beat out the dust and use only the fiber.

Provided the plants were in a growing condition when this material was added, progress will now be rapid and the surface compost may be kept moist. *Odontoglossums* dislike heavy waterings over head, but the atmosphere about them must be kept moist and for this reason very light sprayings (mistings) are necessary several times daily. If the plants have gone on well up till now they are comparatively speaking safe and may be treated as established plants.

Remember before everything that it is in the atmospheric treatment of these beautiful cool orchids that most growers go wrong. It is to the atmosphere that they go for their sustenance chiefly; and if a suitable atmosphere is kept up in the growing quarters then any one with a little knowledge can keep orchids right. The kind of atmosphere *O. crispum* and nearly allied kinds like is a cool and moist one, but the air must not be stagnant; it has to be kept mov-



Odontoglossum Crispum.



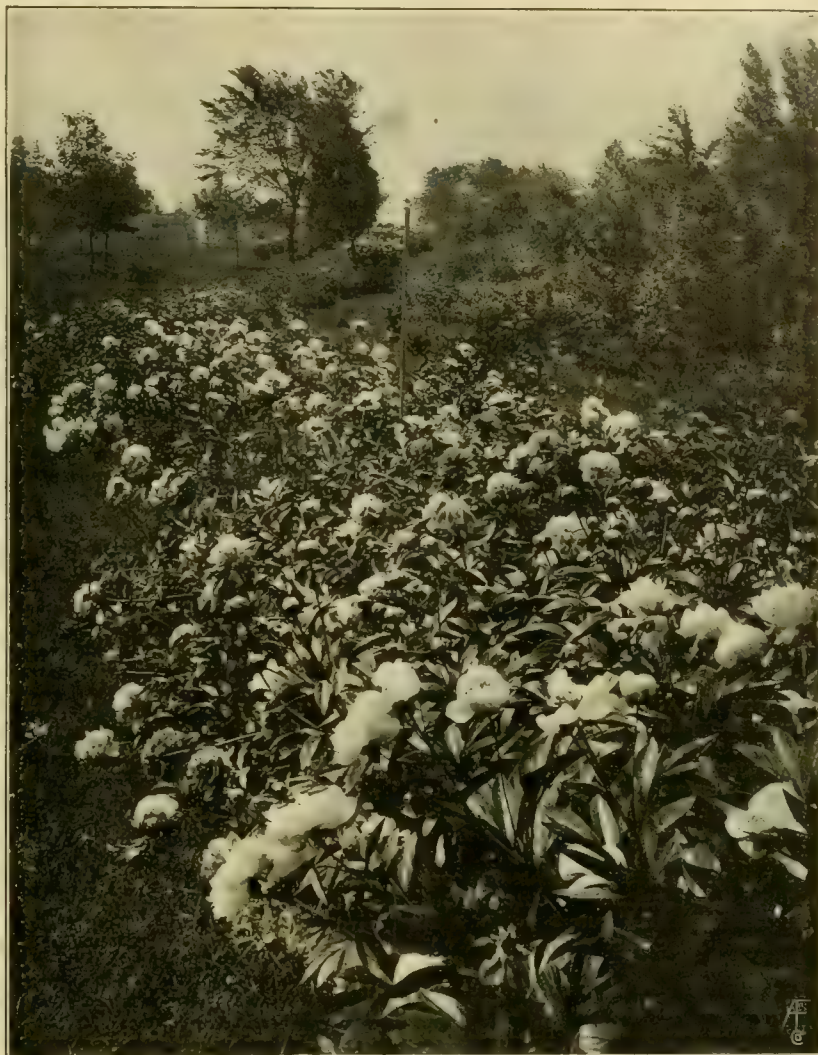
ODONTOGLOSSUM CRISPUM.

ing or good results must not be looked for. Light in winter and shade in summer are absolutely necessary, so keep the glass clean at the first season, and keep the shades down, where these are provided, until all danger of burning or a rise in temperature is past for the day. For the summer it is useless to give temperatures, for they cannot be maintained as low as one would like. By shading, frequent dampening of floors and stages and the admission of plenty of fresh air keep the house or houses on a summer day so that a pleasant coolness is felt when entering from the external air. Do this and do not worry about looking at the thermometer. Bottom ventilation as well as top is necessary for these plants, and for this reason the houses where possible should stand alone, and vent holes be supplied below the stage or bench level. A lean-to house with a north aspect is usually advised for odontoglossums. It has the advantage of being more easily kept cool in summer, but the best plants of this class ever grown by the writer were arranged in a span roofed house running north and south with side benches and no central stage. This class of house is difficult to keep cool in summer but the fine light all around the plants in winter is a great help.

These orchids usually commence growing in early autumn and any necessary repairs to the compost or re-arrangement of the plants may be carried out then. Choose the time when the majority of the plants have started to grow freely but have not produced any young roots, usually around September. Then when these roots do occur they have new sweet material to run in and will rapidly re-establish the plants. The most suitable night-temperature for this orchid at all times except in the heat of summer is 50° rising five degrees by day in dull weather and proportionately more when bright. Various remedies are advised for getting rid of insects on odontoglossums, but the best advice is to keep them out. Healthy plants are not bothered much by insects, but should a few thrips or green fly put in appearance, light fumigation on three successive nights will usually clear them out. The vaporising methods of fumigating are not so likely to injure the plants as burning any of the tobacco preparations in a dry form. Insects of the scale family are frequently found on newly imported plants but these can easily be got rid of by sponging and seldom give much trouble afterwards. The value of *O. crispum* as a commercial flower depends largely upon the varieties grown. It is folly to keep any of the small starry forms that are sometimes seen; they take up the room of better plants and are just as much trouble to grow. These ought to be got rid of as soon as they flower and a good collection of varieties made, by selecting the best forms as they appear.

ORCHIS.

ATHENS, N. Y.—Edward Snow is in the Adirondacks camping for a couple of weeks with his grandson and friends.



PARTIAL VIEW OF THE PEONIES AT HIGHLAND PARK, ROCHESTER, N. Y.

(Courtesy of the Rochester Herald.)

THE PEONY.

Peonies at Highland Park, Rochester, N. Y.

The herbaceous peonies made a fine display this year. Owing to the cool weather that prevailed throughout May and the first week of June, they opened slowly. The extremely hot spell of weather that set in about June 10, and has prevailed since, rendered the duration of the blossoms very short. Occasionally we have a few late peonies in good condition July 4, but this season at the above date they were all entirely past. *Achille* is a variety we are much pleased with. The foliage is bold and deep green and the white flowers with a faint tinge of blush, stand upright above the leaves; it is fine for garden decoration. *Alice Crousse* has a somewhat anemone shaped blossom with a general pink effect, and the center shading to a delicate salmon pink. *Alfred de Musset* has well built flowers of a somewhat loose formation, with a white effect, but on close inspection has a tinge of pinkish salmon. The flowers droop over considerably, but it is a good peony for cutting. *Auguste Poitreau* has large, full, well built flowers which have a decidedly pink color.

It comes in the late flowering section and is a very valuable peony. *Artemise* is a most attractive peony. The floral guards stand out prominently with a pink color, and the center is salmon pink.

Avalanche has a fine bold upright habit. The flowers are pure white with streaks of carmine in the center, and the flowers on stout stems look at you straight in the face. *Berlioz* might be described as light red with a purplish tinge. The flowers are well formed and globular and it is a very attractive peony. *Charles Binder* is a fine type of pink peony. The blossoms are finely built and last well. It comes in bloom about the middle of the peony season, and even in a small selection of peonies this ought to be included. *Claire Dubois* is another fine pink peony. The blossom is globular, and well formed, clear pink, and has a remarkably glossy reflex. *Couronne d'Or* is a gem. This belongs to a type of growth in peonies of which the writer is particularly fond. That is the whole habit is erect, and the flowers are held upright on stout stems, no matter what the weather conditions may be. This variety comes late, and the finely formed flowers are creamy white, with

faint streaks of carmine, and when the flower is fully expanded the orange yellow stamens may be seen in the center. Delachei has a cup-shaped flower, large, well formed, and deep velvety crimson, and comes late. Duke of Wellington is a most distinct peony. The cream white flowers are supported on very long stems above the body of foliage. The blossoms have a very pronounced fragrance.

Docteur Bretonneau has guard petals quite prominent of a rosy pink color. The center of the blossom is full and a clear pink. It comes somewhat late, or after mid-season. Eugene Verdice is a great favorite with Charles Maloy, the manager of the Ellwanger & Barry nurseries. The flower is large, cup-shaped, clear pink, tinged with salmon and stands up well, and it is a fine form for garden decoration. Etienne Mechin might be described as violet red. The well shaped flowers have a particularly brilliant effect and the habit is compact and upright. Francois Ortegat has crimson, or amaranth red flowers, and has a good compact habit. It blossoms about mid-season. It is an important peony in the dark red color. Festiva Maxima, which is now well-known, and very extensively grown, has full, well developed flowers, which when opening have a faint blush tinge but turn immediately white. The center is always markedly streaked with carmine. It is the earliest of the peonies to flower. The flower stems droop over very much, and it is therefore not much use for garden decoration but it is excellent for cutting. General Bertrand has guard petals quite prominent, which are pink, tinged with violet, and the central petaloids are soft pink. The habit is very compact. Globosa has distinct globular flowers, pure white and tinged with flesh pink in center, and has a remarkably good habit. Henri Murger has well formed blossoms of a soft pink color, and flowers after mid-season. The habit is compact.

Jussieu has fine dark crimson flowers, large and well formed, blossoms after mid-season, and has a good compact habit. La Tendresse is a remarkably fine peony, with flowers large and spreading, creamy white at first, and turning to pure white. The reddish or carmine streaks which are noticeable in most of the white peonies are hardly noticeable in this one. La Rosiere has a very refined appearance, with semi-double flowers, distinctly yellowish white, with a yellowish tinge, markedly predominant in the center. Livingstone has large soft pink flowers, which shade to white and flowers about mid-season. Madame de Bollemont has immense blossoms, glossy pink, shading to silvery white, but it is unfortunate that they droop over considerably. Madame Emile Galle produces very large, cup-shaped flowers, soft lilac pink, which shades to flesh pink. A very beautiful and luxurious peony, but the flower stems droop over very much. It is a fine peony for cutting. Madame Forel might be described as a silvery pink, with a darker center. The flowers are large and well formed and come late. Madame Grissler is a very popular peony. The blossoms are borne on long stems, and are very large, full, glossy, silvery pink, and deep rose

pink at base of petals, and flowers early. It has, however, the habit of its flowers bending low down, and in wet weather they become much soiled, unless they are staked up, and the staking of peonies is not desirable. Marie Lemoine is a sister to Couronne d'Or. The large beautifully formed flowers stand straight up and are delicate sulphur white. It flowers late and is a most valuable peony. Madame Lebon has full, showy, cherry pink flowers, shading lightly into salmon and has a good habit. Marie Deroux has flowers somewhat cup-shaped, rosy pink, shading into blush pink, and flowers after mid-season. The habit is good.

Marie Jacquin is a great favorite with the writer. It is distinctly semi-double, with blush white flowers, and very prominent golden yellow anthers. The curving globular outlines of the blossoms is very noticeable, and when half open they are thoroughly suggestive of a tea rose. This is a most beautiful peony for lawn or garden decoration, as it is distinctly erect and the flowers never incline downwards. Modele de Perfection stands in the front rank. The flowers are very large and cup-shaped, light pink with rose impressions, and stands up fairly well. Monsieur Bouchardat Aine has a fine full flower. The blossoms are pink and markedly tinged with lilac and shade into a silvery border. In rich heavy soil the flower stems droop over somewhat. Monsieur Dupont has a flattish flower and is somewhat cup-shaped, white, and marked prominently with carmine streaks. It has a good compact habit. President Wilder bears a resemblance to the last, but we think the flowers are purer white, and fuller in the center. It has a good compact habit. Princess Golitzin has soft pink guard petals, and the center cream white. The flower stems stand up well. It is a good peony for garden decoration.

Paganini has handsome blush guards, and the center petals cream white with a tinge of salmon. The habit is fairly compact. Stanley has handsome well developed flowers, shading from light pink to deep pink and light sil-

very edging, and has good compact habit. Splendida is well named and is a magnificent peony. The blossoms are full with a high crown, and are white, deeply tinged pink, and when old turn to a deep rose pink. Solfatere is grown under several other names, and is well known in this country. The flowers are well formed, with white guards, and cream white center and have a good compact habit. A fine peony for garden decoration. Triomphe de l'Exposition de Lille is another particular favorite of the writer. The flowers are of large size, full, light pink, and marbled with rosy pink, and with a light silvery reflex, and stand up well. Zoe Callot has very large, full, globular flowers, delicate pink, shaded with lilac tints.

Paenonia lutea, a rare and new species recently introduced to cultivation, flowered quite freely this season. It was in full flower and about its best June 26. The blossoms are single deep yellow and somewhat concealed amongst the leaves. The glaucous leaves are much divided. Joseph Dauphin, the peony expert of the Cottage Garden nurseries, Queens county, Long Island, saw it in bloom with us, and it was the first time he had seen it. Mr. Dauphin expressed the opinion that it might prove useful in crossing with other peonies to introduce a race with varying shades of deep yellow colors, and we think this is quite likely.

JOHN DUNBAR.

MT. VERNON, N. Y.—The greenhouses of E. J. Nordman, 112 North Eighth avenue, have been purchased by S. J. Clark, South Fourth avenue and business will be conducted at both places.

SUMMIT, N. J.—Andrew Wilson disappeared from his home on July 22. This was the third mysterious departure within a few days, the others being that of Mrs. Ruth Wilson, and of Walter P. Shapter, city electrician. The destination of all three is unknown. When Wilson left he told several of his friends he was going to Niagara Falls. He did not say whether he expected to find his wife there. It was understood by some of his friends that Mrs. Wilson had gone to stay with an aunt in Brooklyn.



CINCINNATI FLORISTS' SOCIETY OUTING AT CARTHAGE, O.

Getting Ready for the Egg Race.



OUTING OF THE GREEK-AMERICAN FLORISTS' ASSOCIATION AT WITZELS POINT GROVE, COLLEGE POINT, L. I., JULY 7.

THE ROSE.

A LIGHT shade is necessary for Mme. Chatenay, Mrs. Jardine and other varieties with tender foliage.

Carrying Over the Indoor Stock.

Very often one has far better results (taking everything into consideration) the second season with rose plants than the first, especially when they have been carefully handled, pruned correctly, and at the proper time and watched carefully. When one hasn't considerable skill the results from carrying over may be rather disappointing. But again anyone with a fair amount of plant intelligence need not hesitate to give his plants a trial for another season and again if it happens to be the grower's first attempt he should at least try one or two benches or beds and keep an accurate account of the cut and running expenses compared to the same number of plants of the young stock of the same variety. In the writer's opinion when the plants to be carried over are in solid beds, or they have been removed from raised benches and planted in solid beds into a fresh lot of soil, the plants will be more profitable the second year. The advantages are better and longer stems, larger blooms and a much longer period of cutting. In fact, the

carried-over plants, with proper care, will bloom continuously and if they are of the tea varieties they will require very little resting. Below we give a general outline of the treatment we have found to give excellent results.

In the first place we will suppose there is to be a house of Bride, Bride-maid, Golden Gate or other teas to be carried over. They are on raised benches, and the grower wishes to let them remain for another season. All that is necessary is to withhold the water and keep up the spraying while they are being pruned, as the teas should not be allowed to get too dry. But perhaps it would be safest to suggest right here that only strong healthy plants should be carried over at any cost. We particularly referred to this earlier in the season. So in all probability this point, the most important one of all, has been borne in mind. But to come back to the work: prune carefully, thinning out all the turgid growth and heading back the heavier wood a little. If there is lack of head room bend the plants over and tie them to wires stretched about a foot or a little higher from the ground, placing a wire for each row of plants; distribute the wood evenly over these wires and bend the plants at as sharp an angle as they will stand without breaking. Having pruned and tied the

plants remove about half the soil from around the plants carefully, breaking as few roots as possible and fill in and around them with a compost of half good soil and half cow manure to which has been added a liberal sprinkling of bone meal. Pack this mulch firmly and give the beds a thorough watering. Be sure to push the work along rapidly so the roots will not be exposed for any length of time. After watering syringe frequently and do not let the soil get soggy; allow it to become fairly dry; stir it frequently and by keeping the soil in a condition where it will require some water every day it will be about right to induce new root action. We will now describe the method of handling the teas, removing them from the raised benches and transferring them to solid beds.

The plants will only require just enough drying so they can be lifted with good clumps of soil. They should be pruned as described above and if preferred the pruning can be left till later; after the plants have become established in their new quarters, lift them stakes and all. First prepare the solid beds, removing all the old soil and cleaning house generally. Be sure that the beds have good drainage and room enough above the drainage for six inches of good compost, the same as used for the young stock.

Fill the beds about even full of soil and take a brush and some paint and mark off the distance you wish to plant in the row at the top edge of the bed. This will save a lot of guess work. A stick just the width of the beds can be notched to plant by across the beds and can be carried along by the planters. Use enough help to have the plants handled as fast as they are lifted. The planters (a man at each side of the bed) should throw out or make a trench to receive them. Place them in position opposite the marks,

drop their foliage, making this drying process a gradual one requiring several weeks and syringing them meanwhile. We prefer to prune them about 18 inches from the soil, leaving in all the available strong wood, deferring the removal of undesirable wood till later. Remove the top of the old soil as prescribed for the teas, the treatment being practically the same with the exception of the resting and pruning.

Carrying over the Killarneys in the solid beds differs somewhat in treatment, as we have found that they do

left and carried over in the solid beds. Own root Richmond can be dried hard and pruned to within a foot of the soil, the treatment otherwise being the same as for Killarney, depending more on the surface feeding and liquid manure watering than the addition of more fresh soil, which would require too much root disturbance. Grafted Richmond should be pruned a little higher for reasons mentioned above for Killarney. My Maryland will respond to the same treatment as described for Killarney and Richmond, also American Beauty. Cultural notes will follow in due season. E.

British Roses.

During a somewhat hasty look round at the Temple show in London last May we made notes of a few of the more prominent varieties of roses shown there. Some were old favorites, or at least well known on this side, while others are not so well known and a line on them may be interesting. A lovely coral pink was found in Duchess of Westminster, a hybrid tea from those famous growers, the Dicksons of Newtownards, Ire. Both leaves and stems were exceedingly fine. Lady Hillingdon, a yellow tea in Geo. Mount & Sons' exhibit, looks as though it might be a good forcing rose. It is a bright rich yellow and has long pointed buds that should sell well in this country. Mrs. Jardine, now well known here, was well shown, as was White Dorothy Perkins. This is certainly one of the most beautiful of the rambler type and a magnificent rose. Portia is a rose of great substance nearly white in ground color prettily shaded with a bronzy yellow tint. Excelsa, one of M. H. Walsh's new ramblers of the Wichuraiana section, is a lovely thing with bright scarlet flowers produced on long pendulous racemes. This came in for much praise from all present and was greatly admired. It was shown by several exhibitors. Shower of Gold is not as free flowering as some others but is a magnificent color, a pure rich yellow. Geo. C. Wand is a most brilliant red, one of the finest colored hybrid teas in cultivation without a doubt. Lyon Rose, American Pillar, Orleans, Tausendschon and the "blue" rose, Veilchenblau, were also well shown.



CINCINNATI FLORISTS' SOCIETY OUTING AT CARTHAGE, O.

Watching the Egg Race.

pull the soil in and around them loosely, followed up by two men who should pack the soil firmly by treading it or tamping it firmly by hand, then leveling. Water thoroughly and water a section as planted every half hour, otherwise the plants will wilt badly. The success of the work depends largely on the rapidity with which it is accomplished and the care taken in handling the work throughout. For instance, spades should be used to cut out the plants on the tables, trimming off the surplus soil with the hands. The balls should be about 10 inches in diameter and must be handled carefully to avoid crushing them. If they are lifted and placed in flats and a piece of twine tied around the tops they will handle better.

They will require frequent spraying for a few days after planting, four or five times a day if necessary on hot days, using a fine spray nozzle. After they have taken hold and show some signs of starting into growth they can be pruned if this has not been done, removing any bruised growth injured in the act of handling them. Wires should be strung and the stalks fastened to them, the plants tied, and from then on with frequent cultivating and intelligent watering they will grow rapidly. Now we come to the hybrid teas. They require a little different treatment as they can be dried until they drop their foliage. Richmond perhaps will stand more drying than any other commercial hybrid tea and harder pruning. This at least is our experience. If Killarney or White Killarney is to be carried the second season on tables, dry the plants until they

not require much of a rest and we seldom remove any of the top soil from the solid beds if it is their second season, an inch being sufficient, pruning the plants lightly, only removing wood carrying worthless foliage, dead wood, etc. By putting on an inch of fresh soil and later on using full strength liquid manure, the second year solid bed as well as bench Killarney should give excellent returns. Another thing worth mentioning perhaps is that we usually prune own root stock back harder than grafted stock, owing to its tendency to send up strong canes from the soil. Richmond seems to do better transferred from the benches to solid beds or



CINCINNATI FLORISTS' SOCIETY OUTING AT CARTHAGE, O.

Before Dinner.

Society of American Florists.**SPECIAL RATES TO ROCHESTER.**

A rate of one and three-fifths, on the certificate plan, has been granted by the Trunk Line association, New England Passenger association, Central Passenger association and the Eastern Canadian association. Tickets may be secured not earlier than August 12 and not later than August 17 and will be good returning up to and including August 23. In securing your ticket purchase a full one-way first class fare and be sure to request a certificate. Inquire at your home station and ascertain whether certificates and through tickets can be obtained to the place of meeting. If not, purchase your ticket to the nearest point where they may be secured and there purchase a through ticket and certificate. No reduction of fare will be made unless a certificate be secured at the time of the purchase of the ticket. Be sure to ask for a certificate and not for a receipt.

Immediately upon your arrival at the convention hall, present your ticket and 25 cents to the secretary. A fee of 25 cents is charged for each ticket validated. An agent of the associations will be present at the office of the secretary on August 17 and 18 from 9 a. m. to 6 p. m. to validate certificates. No certificates will be signed before or after that date.

When returning present your certificate at the railway ticket office and a ticket at three-fifths of the regular fare will be furnished you. For those living west of the western boundary of the Central Passenger association, that is west of Chicago and St. Louis, summer tourist tickets may be purchased to Chicago or St. Louis from which point the reduced rates may be secured to the place of meeting. It will be well to confer with your local agent for full particulars regarding rates and routes. Special trains and special cars start from many of the larger centers. By joining one of these a very pleasant trip may be had.

HEADQUARTERS.

Headquarters for the convention will be at the Seneca hotel. Both the president's reception and the reception given by the Ladies' Society will be held here. It will also be headquarters for the ladies. Requests or inquiries for rooms should be addressed to the Seneca hotel, Rochester, N. Y. Other hotels in Rochester are Powers, Hotel Rochester, Whitcomb house, Osburn house, and Hotel Eggleston. The latter is for men only. The Osburn is on the American plan. It will be well to make application for rooms in advance and so prevent being disappointed on arrival by finding all the best rooms taken.

DUES.

All members should send in their dues in advance and have their certificates and badges mailed to them. In this way much delay may be avoided in the secretary's office. Dues cannot be paid while meetings are in progress. Remember that the secretary has other duties to perform. A badge and certificate of membership are absolutely necessary before any individual can sign the roll and receive invitation cards for any of the entertainments. Badges will also be necessary to get into the exhibition hall. All not having badges will be required to pay the admission fee.

ROCHESTER HOTELS.

I submit, for the information of those attending the convention, the following list of hotels, together with rates, etc. All these hotels, with the exception of the Bristol and Clinton, are first class, modern hotels:

Hotel Seneca, Clinton avenue, south, European plan; one person \$1.50 to \$3.50, two persons \$3.50 to \$5.

Hotel Rochester, Main street, west, European plan, \$1.50 to \$4.

Powers Hotel, Main street, west, European plan, \$1.50 to \$4.

Osburn house, 104 South avenue, American plan, \$1.50 to \$4.

Hotel Eggleston, 159 Main street, east, European plan, \$1 to \$2.

Whitcomb house, 209 Main street, east, European plan, \$1.50 to \$3, with bath; \$1 to \$2.50 without bath.

The Bristol, Central avenue, European plan.

The Clinton, South avenue, European plan.

H. B. STRINGER.

Secretary, Rochester Florists' Assn.

TRADE EXHIBITION.

All exhibitors who intend entering novelties and new devices, to be submitted for awards, for the S. A. F. trade exhibition, at Rochester, N. Y., August 16 to 19, please send entries at once. The list must be ready for the judges on the morning of the first day, Tuesday, August 16.

CHAS. H. VICK, SUPT.

191 Main street, Rochester, N. Y.

Chicago to Rochester.

The Chicago Florists' Club has arranged with the Lake Shore & Michigan Southern railroad for transportation to the Rochester convention as follows:

A special train will be provided, same to be counterpart of the Twentieth Century Limited and to consist of combination baggage and buffet car, one of the famous Lake Shore diners, as many as 12 sections and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation end sleeping car. The train will leave Chicago at 5:30 p. m. Monday, August 15, arriving in Rochester at 9 a. m. Tuesday, August 16.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth, \$3; section, \$6; compartment, \$8.50; drawing room, \$11.

Delegates from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to this special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join the special train at Toledo. The St. Louis people could come via Chicago and join this special train if they so desired as the same rate would apply through Chicago as via the direct line.

G. K. Thompson, general agent passenger department, will accompany the party for the purpose of seeing that everything goes smoothly. For further information and reservations, address G. K. Thompson, 180 Clark street, corner Monroe (Telephone, Harrison 7600), or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

A cordial welcome is extended to any outside florists' clubs, who may wish to join the Chicago Florists' Club special train for the Rochester convention of the S. A. F. Those who wish to be requested to communicate with L. A. Winterson, secretary of the Chicago Florists' Club, 45 Wabash avenue, stating how many will join in order that proper accommodation may be provided.

European Horticulture.

Among new plants, M. Lemoine announces two "white" delphiniums, Jeanne Marni and Thiela, both creamy sulphur in color, the former semi-double, the latter double, also double delphiniums, Captain Fiegenschah, mauve, bordered cobalt blue, full and regular, fine in color and firm; Sergeant Beranger, semi-double, mauve and blue, enormous black centers, handsome stalks; Lieutenant Delacomme, broad semi-double flowers, mauve and ash-blue, brown center; Lieutenant Vasseur, perfect form, mauve bordered light blue. Also a collection of large-flowering pelargoniums.

We are told of a "flower lawn" in an Algerian estate, composed of verbenas, blooming throughout the season, and most acceptable for the delicate fragrance of the blue and white varieties.

The city of Brussels maintains this summer a decorative floral competition, divided into three classes: decorated balconies, decorated store fronts and window gardens. The prizes are medals, graded in value, but the recipient may choose their value in money. The committee in charge sent out circulars advising as to details of arrangement, culture, etc.

OBITUARY.**William Rennie.**

William Rennie, the well known seedsman of Toronto, Ont., died July 24 at his home residence. Mr. Rennie had been in poor health for some time past, and on May 23 had a stroke of paralysis after which he declined steadily. He was born in the vicinity of the above city in 1835, his parents having emigrated from Scotland a few years before, and his early days were spent on the farm. Many today are acquainted with the Rennie homestead in Scarboro which is known as the gold medal farm, of the province of Ontario. In 1870 he moved to Toronto and started the seed business which today has branch stores at Montreal, Winnipeg and Vancouver. Shortly after establishing the seed business Mr. Rennie found it necessary to grow many of his own varieties and again assumed charge of the farm and in 1884 had it in such perfect shape that in competition he was awarded the first silver medal. He retired from the business in 1889, leaving the now well known establishment to his three sons, Robert, John and Thomas. In 1893 he accepted the position of farm superintendent at the Ontario Agricultural College at Guelph, remaining six years, and upon his return to Toronto he put into book form his valuable information in a volume known as "Successful Farming," which has been read with interest and profit by many. Besides the three sons mentioned in Toronto, another, William, is connected with the agricultural college at Hakodate, Japan. H. G. D.

Coleman Muller.

Coleman Muller died at his home, Sixty-sixth street and Elmwood avenue, Philadelphia, July 12, and his funeral took place July 16. He was aged 26 years and was the son of August and Anastasia Muller of the above address. The family is well and favorably known to the trade of Philadelphia. The deceased was a promising young man but over a year ago was seized with serious illness and the efforts of the most skilful physicians could not stay its ravages.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

THIS ISSUE 52 PAGES WITH COVER

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JEAN SOUPERT, of Soupert & Notling, the well known rose specialists of Luxembourg, died July 17, age 77 years.

Exhibition of Forced Shrubs.

On the occasion of the fiftieth anniversary of the Pomological Society of Boskoop (Holland) the members of which formerly occupied themselves principally with the cultivation of fruit trees, but have now for years applied themselves almost exclusively to the growing of all sorts of forced shrubs and conifers, an exhibition of forced flowering and foliage shrubs will be held during the first half of the month of April, 1911. This will be highly interesting, for the great collaboration of the principal firms of Boskoop and its environs guarantee that a complete survey will be given of the height and many-sidedness which the cultivation of forced shrubs has reached in this well known center of nurseries. The exhibition building will occupy a space of 2,600 square meters.

ORDER coal now.

ROCHESTER.—That's where the gathering will be in two weeks.

THE AMERICAN FLORIST enters upon its twenty-sixth year with this issue.

OUR Convection Number goes to press August 10. Send your special advertisement now.

FLORIST KNIGHT TEMPLARS all over the country should keep Chicago in mind for the annual conclave August 8-13.

THE coal situation is very unsettled. It is certain, however, that freights have advanced 10 cents per ton and that miners will not be satisfied with less than 8 to 9 cents per ton additional. The coal dealers whose advertisements appear in this issue say they are now prepared to handle orders at lowest rates consistent with these advances.

Personal.

Wm. F. Kasting, Buffalo, N. Y., was 40 July 27.

Adam Graham, Sr., Cleveland, O., is expected home next week from his trip around the world.

E. G. Hill, who sailed for Europe June 22 on the S. S. Lusitania to see the new roses, will return on the S. S. Mauretania, leaving Liverpool July 30 and due at New York August 5.

Correction.

ED. AMERICAN FLORIST:—

In your issue of July 6 in Louisville news, you had a paragraph stating that H. Kleinstark had bought the Anchorage Rose Co.'s greenhouses. This is an error. Mr. Kleinstark bought the G. Thompson place. As this will injure the sale of the Anchorage Rose Co.'s place, please have it corrected if not already done. This is of importance to me as I have my interest still in the company and wish to sell to advantage. Thanking you in advance.

CHARLES RAYNER.

Seattle, Wash.

[The correction has been already made by our Louisville correspondent but we gladly give it this further publicity.—Ed.]

Society of American Florists.

AMENDMENTS TO CONSTITUTION.

Notice is hereby given to all members of the Society of American Florists that the following amendments have been received by the secretary and will be presented at the annual meeting to be held in Rochester on August 16-19, 1910.

Article V, Section 1, to be amended to read as follows: Section 1. Meetings.—The first annual meeting of the society shall be held at Buffalo, N. Y., on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at such time and place as may be fixed by ballot at the morning session of the second day of each annual meeting and shall continue for at least three days. This provides for the selection, each year, of the time as well as the place of meeting.

Article IV, Section 2 to be amended by striking out the figures "25.00" and inserting in place thereof the figures "50.00," meaning to increase the life membership from \$25 to \$50.

Article II to be amended as follows: Section 2 (a). Strike out and substitute the following: "The president, vice-president and two directors shall be elected by ballot at the annual

meeting of the society and their term of office shall begin with the first day of January next succeeding the election; and the terms of the president and vice-president shall continue for one year or until their successors are duly elected and qualified; and the directors shall serve for three years from the first day of January following the election.

Section 2 (b). Strike out the words "two directors to serve for a term of three years. He shall also appoint at the same time."

Section 2 (c). Insert the words "and directors" after the word "officers" and before the word "shall."

Section 2 (d). Add the words "and directorships" after the word "offices" in the fourth line.

Section 2 (g). Add the words "or directorships" after the word "offices" in the first line.

Section 3 (a). Strike out the words "two directors to serve for a term of three years" after the word "appoint" and before the words "one botanist."

Section 3 (e). Add the following: "and they shall also at their annual meeting in January appoint a secretary and treasurer of the society for the ensuing year, whose term of office shall commence at such time as shall be then designated and continue until their successors are appointed."

The above amendments to Article II were presented at the twenty-fifth annual meeting. In case these pass the following amendments will also be presented:

Article II, Section 3 (d). Add to the end of the same "He shall attend all meetings of the executive board and shall be paid mileage as is allowed members of the board."

Article III. Strike out the word "Secretary" (page 13, second line) and the word "Treasurer" (page 13, third line). Strike out the words "a regular" (page 13, fifth line) and insert in place thereof "an annual." Strike out the word "mid-Lent" (sixth and seventh lines) and insert in place thereof the words "January 15." Insert after the word "audited" and before the word "appropriations" the words "appointments of a secretary and treasurer shall be made." Strike out the word "seven" (page 14, ninth line) and insert in place thereof the word "six."

These amendments to Article III are merely changes made necessary by the above amendments to Articles II and III.

H. B. DORNER, Sec'y.

Meetings Next Week.

Albany, N. Y., August 4, 8 p. m.—Albany Florists' Club, N. C. King's, 24 and 26 Steuben street.

Buffalo, N. Y., August 2, 8 p. m.—Buffalo Florists' Club, 385-87 Ellicott street.

Chicago, August 4, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

Dayton, O., August 1, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., August 1, 8 p. m.—Detroit Florists' Club, Cowie building, 4244 Gratiot avenue.

Grand Rapids, Mich., August 1.—Grand Rapids Florists' and Gardeners' Club, office of member.

Indianapolis, Ind., August 2, 3:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., August 6, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Milwaukee, Wis., August 4, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

New Orleans, La., August 3, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., August 3.—Newport Horticultural Society.

Pasadena, Calif., August 5, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., August 2, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street.

Pittsburg, Pa., August 2, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, August 2.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., August 6.—Pacific Coast Horticultural Society.

Seattle, Wash., August 2.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., August 2, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue north.

Utica, N. Y., August 4, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida Square.

Washington, D. C., August 2, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

Situation Wanted—By experienced seedsman; steady position.
Key 169, care American Florist.

Situation Wanted—Position as foreman, all around florist and plantsman, where American Beauties are a specialty preferred.
Key 156, care American Florist.

Situation Wanted—As designer and decorator or manager of retail store; twelve years' experience in all parts of the country; good references; a hustler and not afraid of night work at any time. Address
Key 158, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business. address
Key 144, care American Florist.

Situation Wanted—By an all 'round greenhouse man: 23 years' experience in growing cut flowers and bedding stock; thoroughly understand boiler and steam fitting, design and bunch work; have had foremanship for a number of years; am good on orders and packing; am 45 and married; I want a good paying position.
J. G. STRONG
R. No. 1, Box 41a, Lake Charles, La.

Situation Wanted—On private estate, park or institution as head florist and gardener; married, no children; 37 years of age, and have life experience in horticulture, also from Europe; am head gardener at the present time and have been for the last five years, and handle a good many men; can furnish the best of references as to honesty, industry and sobriety. Address
Key 167, care American Florist.

Help Wanted—For greenhouse and outside; all-around young man.
Key 151, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board.
COLE BROS., Peoria, Ill.

Help Wanted—For greenhouse work; three or four good potters. Apply to
BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—At once, first-class greenhouse man to take charge of place; state age, experience, etc., in first letter: wages, \$15.00 per week.
C. H. GARWOOD, Cheyenne, Wyo.

Help Wanted—At once, a man with three or four years' experience as an all around helper on a place of 2500 feet of glass, devoted all to cut flowers, carnations and roses mostly; state wages wanted in first letter.
EDWARD TATRO, Salina, Kansas.

Help Wanted—No. 1 florist and landscape gardener; single, middle aged industrious and not a drinker; thoroughly competent under glass and out of doors; the Retreat is a hospital; we furnish room, board and laundry; state wages required.
OXFORD RETREAT, Oxford, Ohio.

Help Wanted—Working foreman married, for greenhouse establishment of 40,000 feet of glass, where roses, carnations, 'mums, palms, ferns, bulbous stock and general flowering and bedding plants are grown; must be a good grower and producer, also capable of handling help to advantage. Wages \$20.00 per week with 6 room house, all improvements; send copies of reference from places where previously employed and state age in first letter.
Key 162, care American Florist.

For Sale—Dwight Greenhouses; doing a large and profitable business; no competition; ill health.
DWIGHT GREENHOUSES,
Dwight Ill.

For Sale—44 vegetable cuts for catalogue work, only used once; \$25.00 buys the lot for quick sale. Proof sheet furnished on request.
SOUTHWESTERN SEED CO., Fayetteville, Ark.

For Sale—Well established retail florist business, greenhouses, store, two dwellings, all in good condition; good reason for selling. For further particulars address
Key 171, care American Florist.

For Sale—Two second-hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.
SUPERIOR MACHINE & BOILER WORKS
840-850 W. Superior St., Chicago.

For Sale—80-acre farm, 17 miles from Chicago, five blocks from station sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address
FRANCIS A. BECKER, Des Plaines, Ill.

For Sale—Old established greenhouse plant for sale or rent; about 10,000 feet glass, dwelling house seven rooms; everything in good shape; owner has other business. Apply to
J. B. WHITEHEAD, Trust Bldg., Rockford, Ill.

For Sale—30,000 feet of glass in Illinois; steam heat; one-third built last year; stocked with roses, carnations, callas, ferns etc.; wholesale and retail; doing a splendid business; 7 acres in fruit; dwelling house, 10 rooms, all modern improvements; tenement house, 6 rooms; artesian well, windmill and engine, large barn and sheds, horse, cow, wagon, buggy and tools; about 100 chickens, room for 100. Price \$21,000, one-third cash, balance easy terms.
Key 165, care American Florist.

For Sale or Rent—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.
Key 460, care American Florist.

Wanted to Lease—With option to buy, retail greenhouse establishment; south or southwest preferred. Have \$4,000.00 cash to invest in good proposition; no out of date, tumbled down place wanted. Don't answer this unless offer will stand close investigation. Address
Key 172, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address
Elm City Nursery Co., New Haven, Conn.

Wanted at Once.

Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of herbaceous perennial grounds. State particulars and send references.

SOUTHWORTH BROS.' NURSERIES, Beverly, Mass.

GROWER

Would like to hear from firm (doing catalogue trade preferred) that has an opening for a man with an extensive knowledge of the business and would give part interest; limited capital.

Key 170, care American Florist.

Splendid Opportunity

For All-Around Florist.

With \$3,000 to invest in a well established business in the south. Mild climate, healthy location, and a money-making proposition. Will pay good salary monthly, and capital will double in two years. For particulars address

Key 168, care American Florist.

OPPORTUNITY

Are you looking for a place to locate? Here is your chance. The best opening I know of for an up-to-date seed store, retail and wholesale; large territory; just the place for a man with some capital. Investigate at once. Address

Key 160, care American Florist.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 14, 1910.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Power's Hotel, Rochester, N. Y., Wednesday, Aug. 17, 1910, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

Trade Directory for 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid

Poehlmann's Flowers

Our flowers are the best. There is no doubt about this. All who have had dealings with us know that we are always here with **QUANTITY** and **QUALITY**. Why go on dealing with second-rate firms and commission agents while we are offering the products of the "Largest and Most Up-to-date Greenhouse Plant in the World" shipped direct?

CHOICE HOME-GROWN

Orchids

A Specialty

VALLEY and HARRISII

Lilies

All the Year Around

All classes of

GREENS

including the best in **Smilax**,
Asparagus and **Ferns**.

From the American Florist, July 16, 1910

A word is in order here as to the way the cut flowers are handled which probably accounts for the excellent manner in which the stock arrives at the store. The flowers are cut twice daily and are placed in the cooling rooms for about four hours, just long enough for them to lose the greenhouse heat. They are then packed expeditiously and shipped by express to the store where they arrive in the very best possible condition. Here John Poehlmann takes hold, and any long distance shipments that have to be made are packed at once and leave by the quickest route, insuring their arrival in good shape even in the hottest weather. The wonderful growth of this business is a great tribute to the skill and energy of the Poehlmann brothers, one and all, and shows what great things can be done when the facilities for doing business are there and plenty of the right kind of help to keep things moving.

Beauties

from special stock grown
for summer blooming.

**Killarney, White Killarney,
My Maryland and Perles**

The finest in this market.

CARNATIONS

in all leading varieties—
plenty of white.

Yellow Chrysanthemums

Fine clean stock.

POELHMANN BROS. CO., 33-35-37 RANDOLPH STREET, **Chicago**
OFFICE AND SALESROOM:
LONG DISTANCE PHONE, RANDOLPH 35.

Chicago.

DEMAND KEEPS UP.

In a few of the larger houses there are big lots of roses to be seen and they clean up well, but in many of the smaller places good roses are conspicuously absent. Those growers who threw out early in the season and planted up early stock are now reaping the benefit in some small flowers that are useful in funeral work, but the majority of the stock coming in is from old plants or plants grown purposely for summer work. There are quite a number of good young Beauties at the principal houses with good stems and flowers. Killarney is better than it was and White Killarney continues in fair shape. My Maryland is small now but its good stems and handsome foliage help out a good deal. Richmond is still poor. Carnations are still coming in quantity but as to quality the less said the better. Asters and chrysanthemums will soon take their place. The asters to date have not been by any means encouraging either to the grower, commission man or retailer, for they are small and single and all the color burnt out of them with the hot sun. The present week a few better ones were to be seen but the supply of really good asters is likely to be light. Gladioli are here in enormous quantities and there are many wasted, though the demand is fair. Like other flowers the good stock sells while the poor is left. Easter lilies from being nearly a glut last week have come down to a more normal supply this. There appears to be plenty for everybody, but not any to spare. Valley is in somewhat the same condition and is not nearly as plentiful as it was. Orchids are decidedly scarce. A few Cattleya Gaskelliana are seen but not enough for the demand. However, it is nearly time for our old friend C. labiata and there will be no scarcity for a time when it starts to flower. The demand for cattleyas seems so well established that they are wanted every month in the

year and more C. Gaskelliana should be grown to fill the gap between C. Mossiae and C. labiata. Water lilies are still plentiful and the better class ones sell well. The native lotus has been seen in one or two retailers' windows of late; it is fine for decoration. Hardy flowers such as galliardias, Shasta daisies and others continue to arrive in quantity and give variety to the window displays. With the exception of a little transient trade, funeral work is about all that comes to the retailer now. This has been pretty heavy of late and some extra large orders have been booked at some of the stores.

NOTES.

At Vaughan & Sperry's we noted some of the finest asters yet seen on the market and as these are the first consignments from their grower good stock can probably be looked for here for some time to come. The pink and white varieties are best. L. A. Vaughan says that his trip north was a great success except that forest fires made it somewhat disagreeable for four or five days. He also says that fishermen, like politicians, meet strange bed fellows sometimes, and worst of all they are not allowed to forget them when they get back.

C. W. McKellar and Mrs. McKellar are still in the east and reports come from Portland, Me., and various other points enroute. They are evidently having a fine time and this week expect to take in New York and various Hudson river points. They will continue in the east until the convention and after attending this will make for home via Detroit. Orchids are scarce at the store and sell up close every day.

At Peter Reinberg's the run on good roses and carnations seems as heavy as ever and the shipments to out-of-town points are especially good for the season. Mr. Reinberg is still out west. T. Matchen took a flying trip to Milwaukee on Sunday, visiting Holton & Hunkel and several others.

H. C. Rowe says business is by no means rushing, though he is getting his share of funeral work. Philip Eichling, who has been with Mr. Rowe a number of years, has left him to go into the furniture business with his father-in-law at Evanston and all will wish him every success.

At Kennicott Bros. Co. a fine variety of hardy stock is shown, including tritomas, fine gladioli and a host of others. Dimorphotheca aurantiaca is shown here and called the African daisy, which comes a little nearer the truth than these names usually do.

Mrs. Horton is back at her desk at Bassett & Washburn's. E. Anderson of this firm has left for a two weeks' vacation. Fine stock of My Maryland, new Beauties and Kaiserin are among the principal arrivals in roses and trade is keeping up well.

C. M. Dickinson of E. H. Hunt left on Friday last for Pelican Lake, Wis., and on Monday he shipped home a 25-pound muscalonge that fell to his rod. The fish was sent to a friend in the city and cut up, W. Lynch and others coming in for a "chunk."

Trade is reported good at Wieter Bros., and the quality of the roses now coming in is very good for the season. New Beauties, Kaiserin and White Killarney are the best in roses and asters are in very fair shape.

At Zech & Mann's the force always appears to be busy and they are turning out a lot of good stock. Asters are improving here and we noted some good lilies including L. auratum.

Kyle & Foerster report business good and they have occasionally to buy stock to fill orders, outside of the big amount of fine flowers coming from their regular growers.

At Geo. Reinberg's sales keep up fairly well and keep the stock down. Robt. Northam is still away but is expected back at the end of the week.

J. B. Deamud, Miss Amy Forst, Harry Lubliner and wife, Archie Spencer and wife have all returned from their trips to Eagle Lake, Mich.

Summer Flowers

**New Beauties, Kaiserin, Rhea Reid,
Pink Killarney, Maryland, White Killarney**

These are the best roses for hot weather. We devote a whole range of glass to their growth and our plants are two to five years old, giving big, strong flowers.

Buy Direct of the Grower and Get Fresh Stock.

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

WE ARE THE BIGGEST

Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties,	Per doz.
Long stems	\$3 00
30-inch stems	2 50
24-inch stems	2 00
20-inch stems	1 50
15-inch stems	1 25
12-inch stems	1 00
Short stems	\$4 00 to \$6 00 per 100

Richmond, select,	Per 100
medium	\$6 00
medium	\$4 00 to 5 00

Killarney, select,	Per 100
medium	6 00
Mrs. Marshall Field, select	4 00 to 5 00
medium	\$6 00
Bridesmaid	\$4 00 to 5 00
Bride	4 00 to 5 00
My Maryland, select	4 00 to 5 00
medium	6 00
Chatenay	4 00 to 5 00
Ivory	5 00

Carnations	Per 100
Asters	\$1 00 to \$2 00
Valley	2 00 to 3 00
Easter Lilies	3 00 to 4 00
per doz.,	1 50
Asparagus Plumosus,	6 00
extra quality	per bunch, 35 to 50
Fancy Ferns	per 1000, 1 50

ROSES, our selection \$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

The Ernst Wienhoeber Floral Co. is installing a new ice box at its store at 22 Elm street. It is rather remarkable that a firm that has handled such vast quantities of good stock for so many years should never have had an ice box, especially in such a high grade store, but it has always been the aim of the firm to give its patrons stock absolutely fresh and this is the reason the ice box has found no favor with Mr. Wienhoeber.

At the L. A. Budlong store good roses are coming in from young plants and they move out well. Planting carnations and roses is finished at the greenhouses. Bert Budlong, as well as his mother, spend their week-ends and as much more time as they can, at their summer homes at Lake Geneva, Wis.

At A. L. Randall's they are busy with inventory. Frank Johnson is on a trip east and T. Waters is taking a couple of weeks' vacation.

Theodore Callos, the White House florist, 193 Wabash avenue, has gone to Shawano, Wis., for a short vacation.

John Muir's mother-in-law, Mrs. Molar, died on Sunday last at the age of 84.



ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.

Send for Quotations.

CHAS. W. McKELLAR

51 Wabash Avenue.
CHICAGO.

Asters, Auratums, Gladioli America and Augusta in good supply.

We are now receiving regular shipments of home-grown Cattleyas and all Seasonable Stock of excellent quality at Chicago market prices.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

The Raedlein Basket Co., 713 Milwaukee avenue, is selling a large number of imported baskets. The factories are located at Weidhausen and Eben-dorf, Germany. Three brothers are at the head of the concern, and G. Raed-lein, one of the three, is in charge of the American office, which has its headquarters at 713 Milwaukee avenue. Baskets of all kinds are on sale here and are made of willow and rat-tan and have all the latest artistic colors. The new brown shade, the an-tique green and the natural willow col-ors add greatly to the appearance of flowers and plants. Everyone is in- vited to call at the storerooms and look over the stock while florists vis- iting the city should do likewise as here may be seen practically every- thing in the basket line.

The Pochlmann Bros. Co. is certainly keeping up its reputation this summer for quality of stock. The roses now arriving at the store are fine for the time of year and we noted this week especially good Beauties from young stock. The foliage is first class on stems a yard long and upwards, while the flowers are substantial and of good color and such stock is certainly a credit to the growers during this hot weather. Golden Glow chrysanthem- ums are in of good color and stiff stems thoroughly well grown. Good valley and Harrisii lilies are shown right along and such stock as this does not go begging even at this time of year and the flowers are cleared up well daily.

F. Corten, who is in charge at the Graceland cemetery, says: "Business has been fair, considering the dis- agreeable season." The 30 men em- ployed are busy weeding, trimming and watering, and propagating Vinca mi- nor. There is a steady demand for this plant and it seems as if enough cannot be grown to supply it. Mr. Corten has been in charge of the cem- etery for 28 years, and has been a subscriber to the AMERICAN FLORIST since its first issue, having subscribed at the first S. A. F. convention at Cincinnati in 1885.

J. Didier, 7539 Ridge avenue, has thrown out his old stock of carnations, and preparations for replanting have begun. Mr. Didier has 80,000 carnation plants, half of which he will keep for his own houses and wholesale the re- mainder. The asters are in fine shape, but these are sold mostly at whole- sale. Mr. Didier has charge of the greenhouses but the store at 6372 N. Clark street is in charge of his son and daughter.

J. Heimberger, 1443 N. Forty-third street, has sold out his stock of bed- ding plants and at present the green- houses are empty. Mr. Heimberger is in the employ of the railroad company and has been taking care of the houses during his spare moments. He stated that he intends to give up the busi- ness, being unable to take care of the houses and also hold his position on the rail- road.

The new store of O. J. Friedman, 226 Michigan avenue, will be ready for

business about August 5, and will be run under the name of the Congress Floral Co. with Wm. Graff in charge. Mr. Friedman has not decided who will take Mr. Graff's place in the store at 185 Michigan avenue, but he said he would probably place one of the men now employed in the store in charge.

Business has been good at the Chas. Grabig store, 1843 Irving Park boule- vard. The flower garden which is in front of the store is attracting the at- tention of all who pass by. A berberis hedge, 1½ feet high, surrounds the garden and adds greatly to its ap- pearance. Mr. Grabig was formerly in business with H. E. Scheffler at Bel- mont avenue.

A. Conarek, 1111 W. Chicago avenue, expects to make a change of location about August 1. Owing to an increase in business it was necessary to make the change, as the present quarters are too small to handle the business properly. In addition to carrying a full line of cut flowers, Mr. Conarek does a wholesale and retail business in arti- ficial flowers.

Peter Scroczyński, 1523 N. Harding avenue, has his greenhouses filled with chrysanthemums and Boston ferns. There is a retail store and 12,000 feet of glass on the premises. Mrs. Scroczyński and her 9-year-old son have been spending the past month on her sister's farm near Michigan City, Ind., and is expected home this week.

Thos. Fogarty of the Friedman firm and Ed. Enders of Samuelson's are en- joying a vacation among the lakes where fish are not plentiful but fe- male beauty reigns supreme. Ed. was up there but returned for Tom to help him out as he said rowing four in a boat is rather strenuous for vacation time.

Mrs. S. Cooper, 1005 Irving Park boulevard, reports doing a good busi- ness. She was formerly in business at North Clark street, near the Plaza ho- tel, the change having been made about three months ago.

Mrs. H. Lowe, 1943 N. Forty-third street, on July 25 bought the property which she is occupying for \$2,450. Mrs. Lowe has one greenhouse and does a retail business both in bedding plants and cut flowers.

A. Kunkel, 1058 Chicago avenue, has had a very busy season. Wedding and funeral work continues to come in, al- though there has been a slight falling off in the summer months.

J. E. Franke and family, 736 Mil- waukee avenue, will leave the first week in August for their summer home at Thunder Lake, Schoolcraft county, Michigan.

John Demund made a fine record on the Bloomingdale track last week. Watch him next time out.

Phil Schupp, of J. A. Budlong's, took a few days off this week, going to Lake Geneva, Wis.

O. P. Bassett and wife are in Berlin. Visitors: S. R. Lundy, representing W. A. Manda, South Orange, N. J.; Miss Helen Patten, Toledo, O.

St. Louis Florists' Club Picnic.

The seventeenth annual picnic of the St. Louis Florists' Club took place Thursday, July 21, at Ramona park. The weather was the best, clear and cool. Chas. Schoenle, Will Smith, J. J. Beneke and W. Pilcher looked handsome in their white hats and regalia specially ordered for the occasion. Ladies and children helped to swell the crowd. Good music and dancing attracted the younger folks. The games were interesting, taking the at- tention of the older folks as well as the young. Seed guessing contest, prize bird and cage, donated by the St. Louis Seed Co., attracted everybody. Geo. B. Windler, the worthy pres- ident, was out early and took a guess. Boat- ing and riding the ponies was indulged in to a great extent. Henry Hemmende, of Belle- ville, Ill., took in everything in sight.

B. Eschner, of the firm of M. Rice & Co., Philadelphia, Pa., was at the picnic and took supper with F. C. Weber and family.

Ed. Gerlach, formerly with C. A. Kuehn, took supper with C. C. Sanders and family. Ed, although now in a different line of busi- ness, does not forget his old friends.

Grandpapa Fillmore was as spry as ever and Frank was there, not forgetting to bring his jokes with him.

J. J. Beneke always wins the fat men's race. What is the use of him running anyway?

E. H. Weber, son of F. C. Weber and winner of the radish seed contest, arrived late and took about the last guess, 85,000. The jar was opened and the card read 88,000. He received at once an order on the St. Louis Seed Co. for bird and cage with \$20. Herman was delighted and set them up to the crowd. He will give the bird and cage to his mother.

What was the matter with John J. Bentzen? He appeared at the picnic with his hand bandaged and tied up. It is reported that Frank Windler had posted up his \$10 in that wrestling match and had been hunting up young Bentzen and they got mixed in a hurry.

Fred Ammann was out early.

All the Kirkwood boys were out in force. C. De Wever was talking bulletin. He ex- pects to have the first issue out shortly.

H. G. Berning and wife were not present, being tired and indisposed from traveling.

Chas. Kuehn and Geo. Angermueller were around taking in all the sights.

Will Smith attended to the ladies and Will Ossig, his partner, carried his young son around and seemed mighty proud of him.

Miss Ella Weber, niece of F. C. Weber, was voted to be the prettiest and most popular young lady at the picnic.

Miss May Burns spent most of her time on the lake.

Chas. Schoenle worked from early morning till night. He did not have time to eat but occasionally took a little Budweiser.

C. C. Sanders and our worthy president both took guesses at the radish seed contest but were away off.

Carl Beyer and wife were early arrivals and took in everything.

Jim Arado, manager of C. Young & Sons Co.'s cut flower department, was engaged at target practice, but failed to make a bull's eye.

The baseball game between the wholesalers and retailers resulted in a score of 8 to 2 in favor of the wholesalers. C. C. Sanders' team representing the wholesalers and the Bentzen team the retailers.

Al. Gumz and Frank Windler rooted hard for the wholesalers.

Awards.

Twenty-five yard dash, girls under 19 years.—Alice Jablonsky.

Egg and spoon race, married ladies.—Mrs. A. F. Jablonsky.

Fifty yard dash, boys under 16.—Harold Briggs.

Potato race, girls between 10 and 16 years.—Alice McHenry.

Fifty yard dash, ladies over 16 years.—Jennie Boland.

Hop, step and jump, boys under 16 years.—P. Jablonsky.

Tug-of-war.—W. C. Smith Wholesale Floral Co.'s team.

Fat men's race.—J. J. Beneke.

Bean guessing contest, open to all.—E. H. Weber.

Prize waltz.—Edwin Gerlach and Miss Minnie Beyers first; Carl Weber and Miss T. Klocken- kemper, second.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—

76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO
Long Distance Phone Central 3155.

Montreal.

Business is good for this time of the year; large quantities of cut flowers are handled, roses are sold very low and the quality is medium; carnations are very poor, asters are scarce and the quality is not up to much yet but will be better in another week. Sweet peas come in large quantities and find a ready sale. Some of the novelties have not come up to expectations, either in size or color, but it is early yet to condemn them; if they can prove better lasting qualities than the older varieties it will count a lot in their favor.

NOTES.

Owing to the trainmen's strike on the Grand Trunk railway, the picnic of the Gardeners' and Florists' Club had to be postponed; it was found impossible to secure a train to take the party to the picnic grounds. Although the committee in charge of the picnic did its utmost to notify everybody going, a good number could not be reached owing to the short notice given.

A large delegation will leave for St. Catharines next month to attend the convention of the Canadian Horticultural Association. Secretary Wm. C. Hall is sending out circulars to all the members about the tariff question which will be reopened again at the meetings of the convention.

The Horticultural Society will hold its annual exhibition, September 9-10. The judges for the garden competition made their first visit last Monday and the places were found to be in excellent condition. Another visit will have to be made next month before the final awards are given.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, July 27.	
Roses, Beauty, extra select ...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chateaufay.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select.....	4 00@ 10 00
" " medium.....	2 00@ 3 00
Carnations, select fancy.....	1 50@ 3 00
Asters.....	2 00@ 3 00
Chrysanthemums.....per doz.,	2 00@ 2 50
Cattlevas.....per doz.,	4 00@ 6 00
Lilium Harrisii.....per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprengerii.....	3 00@ 4 00
Ferns.....per 1000,	2 00
Smilax.....	1 50@ 2 00

C. A. Smith, Lachine, besides his many duties as alderman, president of many clubs and societies, etc., finds time to grow some really good ferns and chrysanthemums.

Jos. Bennett cuts large quantities of roses and his chrysanthemums are in first class order.

The amount T. Gorman sold his property for is said to be \$90,000.

S. S. Bain and Mrs. Bain are off for an extended trip in Europe.

Visitors: C. F. Hardy of the Canadian Florist, Peterboro, Ont.

LUCK.

OTTAWA, ONT.—B. Everest now occupies the stand formerly held by the Canadian Floral Co. and says he finds business good.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

51 Wabash Ave.. CHICAGO



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. CHICAGO.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

GEO. REINBERG,

Wholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

The Florists' Market Place,
Our Ready Reference Ad. Dept

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission

FLORIST

11 Main Street, CINCINNATI, OHIO.

St. Louis.

DEMAND BETTER.

The market, the past week, showed somewhat of an improvement. Stocks arrived in much smaller quantities and, there being several prominent funerals, it was an easy matter to dispose of anything saleable. Gladioli sold well. Quite a few Harrisii lilies were in and sold well. A few Maman Cochet roses are seen but they are not of good quality. A few more asters are in but the majority are as yet single and showing yellow centers. Some good Shasta daisies are seen and selling well. American Beauty roses are cleaned up pretty well.

NOTES.

Round trip tickets to Buffalo and Niagara Falls, N. Y., and Toronto, Ont., limit 30 days with stopovers at Chicago, Detroit, Cleveland, Niagara Falls and Buffalo can be obtained over the Wabash for \$20.40. To Detroit and return, either direct or via Chicago, with a 30-day limit, the fare is \$16. Particulars can be obtained at the Wabash ticket office, Eighth and Olive streets, or from J. D. McNamara, General Passenger association.

Advices from Otto G. Koenig, state vice-president of the S. A. F., advise those who are going to attend the convention that the Big Four Knickerbocker special will leave Union station, Monday, August 15, at 1 p. m. and reach Rochester 9.20 Tuesday. Sleepers, \$4 each way, 30-day stop-over fare, \$23.16. Those wishing to go will communicate with Otto G. Koenig, state vice-president.

John Seketer, well known as a wire worker and brother of Jim Seketer, also a wire worker, committed suicide by taking carbolic acid. He was buried last Thursday. The W. C. Smith Wholesale Floral Co. and other florists sent flowers. This was a great surprise as John was always known as a jolly fellow.

City Forester Andrew Meyer, Jr., has received numerous complaints from residents of Lindell boulevard of the invasion of bag worms devastating the trees to an alarming extent. A crew of men were at once sent out with spraying machines and they expect to kill off all the worms in a few days.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, July 27.	Per 100
Roses, Beauty, best	20 00@25 00
" " medium	15 00@20 00
" " culls	5 00@10 00
" " Bride, Bridesmaid	1 00@4 00
" " Extra	5 00@8 00
" " Killarney and Richmond	1 00@6 00
" " My Maryland	1 00@8 00
" " Carnot	2 00@12 00
Carnations, select	75@1 00
" " fancy	1 00@2 00
Callas	8 00@10 00
Cattleyas	35 00@50 00
Lilium Longiflorum	6 00@8 00
Lily of the Valley	2 00@4 00
Smilax	12 00@16 00

St. Louis, July 27.	Per 100
Roses, Beauty, long stems	15 00@20 00
" " medium stems	8 00@10 00
" " short stems	2 00@4 00
" " Bride, Bridesmaid	2 00@5 00
" " Killarney	3 00@5 00
" " My Maryland	3 00@5 00
" " Richmond	3 00@6 00
Carnations	1 00@1 50
" " fancy	1 50
Callas	8 00@10 00
Easter Lilies	6 00@1 00
Sweet Peas	20@1 50
Adiantum	1 50
Asparagus Sprengerii	2 00@3 00
Smilax	12 50@15 00

CINCINNATI, July 27.	Per 100
Roses, Beauty	1 00@3 00
" " Bride, Bridesmaid	2 00@6 00
" " Golden Gate	2 00@6 00
" " Killarney	2 00@6 00
" " Richmond	2 00@6 00
Carnations	1 00@2 00
Callas	10 00
Daisies	50
Lilium Album and Rubrum, per doz.	50
Lilium Auratum, per doz.	1 50
Lilium Longiflorum	10 00@12 50
Lily of the Valley	3 00@4 00
Adiantum	1 00@1 50
Asparagus Sprengerii, per bch.	25
Smilax	12 50@15 00
Gladiola	3 00@4 00

MILWAUKEE, July 27.	Per 100
Roses, Beauty, per doz.	50@3 00
" " Bride, Bridesmaid	3 00@6 00
" " Killarney	3 00@8 00
" " Richmond	3 00@6 00
Carnations	1 00@3 00
Lilium Giganteum, per doz.	1 50
Lily of the Valley	3 00@4 00
Magnolia	35
Snapdragon	2 00@4 00
Sweet Peas	25@50
Adiantum	1 50
Asparagus	50@60
" " Plumosus, per bunch	35@50
" " Sprengerii	35
Ferns, Fancy	1 50
Galax	1 50
Smilax	1 50

The North St. Louis industrial show opened its doors July 25 at the Coliseum. The Bentzen Floral Co. has charge of the floral decorations and has been busy all week erecting booths. Grimm & Gorly have a small exhibit.

The seventh annual meeting of the American Apple Growers' Association will be held at the Planters hotel, August 10-11. As part of their entertainment the fruit growers will be invited to a banquet to be given by the Shaw estate.

C. Young & Sons Co. received a telegraph order from New York for a

—THE—
J.M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
 Price List on application.
316 Walnut St., CINCINNATI, OHIO.
 Phone Main 584.

Mention the American Florist when writing

H. G. BERNING,

Wholesale Florist,

1402 Pine St. ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
 Both L. D. Phones,
 Supplies and Everything in Season always on hand

very handsome corsage bouquet of lily of the valley and one rose for Miss Marguerite Clark, now at the Suburban Garden in "The Wishing Ring."

Our old friend, John Burke, who has been out of the business for the past two years, expects to open up a store in the west end as soon as he finds a suitable location. John attended the picnic.

The Riessen Floral Co. was very busy last Thursday with 28 special designs and several large bunches of American Beauty roses at a prominent funeral.

Geo. Angermueller has gone on a vacation. Fred Alves and Al Gumz have charge during his absence.

Mrs. F. C. Weber has just returned from Oakville, Ill., where she has been taking the baths.

Otto Bruenig, manager at H. G. Berning's, has left for a two weeks' vacation.

H. G. Berning and wife have returned from their vacation.

W. F.

BRONZE GALAX \$1.00 per 1000 \$7.50 per case

An important item every retail florist uses. You will always find OUR GALAX the best in quality. Be convinced of the good value we can give you in GALAX by placing YOUR NEXT ORDER WITH US.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m.
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Philadelphia.

GOOD STOCK SCARCE.

The business of the past week was dull but that is what is expected at this season. Good stock, particularly roses and carnations, is scarce. In the case of carnations there is compensation in the fact that asters are now coming in to take their place. There are a few very good Killarney and My Maryland roses arriving but Kaiserin seems to be off crop. Gladioli in considerable quantities are arriving. There is a sprinkling of sweet peas but many of them are poor. There is a quantity of what may be called minor stocks about the stores but they do not form an important factor. A number of the dealers and their employees are taking vacations and as the weather is hot this is a favorable time.

NOTES.

Edward Reid, John McIntyre, George Faulkner and Gilbert Baker went on a fishing excursion in Mr. Reid's automobile to Lake Almonesson on July 24. In addition to catching a good bunch of fish they were instrumental in saving two lives. A party inexperienced in boating was out on the lake and upset their boat. Mr. Reid gallantly sprang out of his boat and rescued two who were in danger of drowning. On their return home they had another adventure. Another automobile struck a light wagon the driver of which was considerably shaken up. The party hurried him to a hospital.

Arrangements are completed for the opening of a store by the Pennock-Meehan Co., at 109 West Twenty-eighth street, New York, early in September. P. B. Rigby will be in charge, assisted by W. H. Moore. Both men are old and capable employees of the company. The Pennock-Meehan Co. has established a national reputation in the trade, doing a large business in this city, with a branch store in Washington, D. C. The New York venture is an interesting one as it is well known that competition in that great city is very close. Its progress will be watched with interest.

The range of the Robt. Craig Co. shows an immense amount of fine plant stock growing on, all in splendid condition. It would be impossible to find anywhere a better stock of cyclamens and Begonia Gloire de Lorraine. Of the cyclamens there are about 1,000 in 8-inch pans and about 25,000 in smaller sizes. There are two houses filled with the begonia. Other features are fine crotons, ferns, palms and Ficus pandurata.

John McIntyre is handling asters of good quality. He has a line of improved Semples that are very fine with two to three foot stems. He is now receiving new crop sweet peas. In the meantime Mr. McIntyre has been summoned to serve on the grand jury during August and is likely to have a strenuous summer.

Eugene Bernheimer has removed with his family to north Wales, where he takes an active interest in the affairs of the Florex Gardens Co., of which he is treasurer and a director. His store in this city is being conducted by old and trusted employees.

Leo. Niessen has taken a short vacation during the lull in business. His brother Arthur is still busy on the

job. The firm is handling very good My Maryland roses and the usual summer run of stock.

Berger Bros. are handling good roses, lilies and lily of the valley. Paul R. Kleinspahn, of their staff, is spending a vacation of two weeks at various summer resorts in New York state.

J. Max Nitzschke, manager of Habermehl's Bellevue-Stratford store, will spend a vacation of two weeks in Maine and New Hampshire.

John Westcott comes up occasionally to bowl with the boys, but hurries back to his cottage by the sea. Speaking of bowlers this city will send some good ones to Rochester. The following are the scores rolled, July 21:

BOWLING JULY 21.

Robinson	211	172	188	156
Adelburger	160	168	133	156
Westcott	157	168	153	...
Dodds	125	146	153	177
Connor	151	189	124	...
Irwin	155	140	201	188
Batchelor	159	187	141	180
Graham	157	217	164	177
Faulkner	134	119	146	...

JULY 25.

Robinson	175	171	197	146
Irwin	187	127	159	199
Graham	140	186	151	125
Dodds	155	146	147	188
Connor	134	195	133	...
Adelburger	176	189	115	155

Pawtucket, R. I.

The business here is quiet, although there is always good funeral business here as the florists of this city cover a very large territory. M. J. Leach & Sons' and William Hoffman's are the only stores here, consequently there is something doing at their stores most of the time. M. J. Leach & Sons have an up-to-date greenhouse concern of a dozen houses, 75,000 square feet in all, and grow about all kinds of flowers such as a retailer would need except roses. They also grow a large collection of bedding plants. This place is located in the town of Seekonk, Mass., three miles from this city, where their store is at 20 Broad street, conducted under the management of Mr. Leach's son Herbert. Thirty years ago Mr. Leach, Sr., built a small greenhouse 15x20 feet as an experiment in connection with his farming business.

William Hoffman's place is conducted under the management of the late Mr. Hoffman's son Fred, and is in one of the best residential sections on the principal street to Providence and Swan Point cemetery. This place at the present time is being rebuilt and at this writing nothing remains standing except the office. Mr. Hoffman is adding two new houses 28x125 feet by Lord & Burnham to the original size of the plant which, when completed, will consist of 35,000 square feet of glass. Mr. Hoffman grows a general line except roses and specializes in bulbous stock such as valley, lilies, tulips, narcissi, begonias and gloxinias. Mr. Hoffman has a modern store at 215 Main street, where they do an excellent business. Barnard Conroy is foreman at the store.

J. BRINTON.

NEW CASTLE, IND.—The Nip and Tuck club will have fried chicken for everybody August 2, when the past, present and future of the industrial growth of this city will be celebrated.

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURGH, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURGH, PA.

Baltimore.

We have had no more rain and the effects of the showers of a week or more ago are exhausted, the ground being thoroughly parched, on top at least, and almost all crops suffering. The truckers are being struck very hard, and outside things like asters threaten to be very much shortened. Added to the high temperature there have been strong winds which, while alleviating the effect of the extreme heat on humans, is making the drought more oppressive. Business continues very quiet, but there is, in truth, very little material with which to do business and the last days of the week but for gladioli and hardy stock there would not have been enough material to supply orders. Almost no asters are coming in, and the indications are that the supplies will be unusually short in quantity and poor in quality.

James Hamilton, of Mt. Washington, who already has one of the largest commercial places in the suburbs of this city, is adding two new houses this summer, designed for roses and greens. He reports a very large business this season in chrysanthemum and rose plants, his shipments extending from points as remote from each other as Canada and the extreme south. Chas. M. Wagner is his foreman and he has had his hands full of constructing and fitting the beds of the new places in the various settlements which surround the Hamilton place. He has a reputation for skill and taste in this work.

The giving of prizes for window boxes which was undertaken by the Municipal Art Society resulted in a great deal of interest. The city was divided into sections and series of prizes were distributed Saturday, the names of the winners being only of local interest.

S. B.

New York.

CONDITIONS BETTER.

Market conditions have shown a considerable improvement over those of last week and most stocks are coming in much lighter. Although the demand is not much greater there is an increase in price owing to scarcity. There is an abundance of asters and gladioli; the former, however, are arriving in poor condition owing to weather conditions and are not bringing any price. Not a drop of rain has fallen since June 21 in this section. American Beauties are still arriving in quantities and are about the only roses that are not holding their own in price, the very best specials bringing not more than 20 cents; quite a number are selling for a good deal less. Sweet peas cannot be quoted with any degree of accuracy; orchids are getting scarcer, and it is only the lack of demand that keeps the price down. Lilies are still arriving in quantities but are bringing a much better price than last week. Green goods are here in great quantities and are hard to dispose of at any figure.

NOTES.

Determined that he should not get away without interviewing the police Miss Mary Free, although injured herself, pluckily held a motorist until a policeman arrived. He had just wrecked her carriage, injured herself and sister and ruined the floral pieces she was delivering. While the Misses Mary and Georgiana Free, daughters of the late Mrs. Free, the well known Stamford, Conn. florist, were delivering some funeral pieces they were run into from behind by an auto which was apparently out for speed records. One of the ladies was thrown fully 25 feet, while the other was caught in the hood of the auto and both were badly bruised. As soon as Miss Free could extract herself from the wreck she jumped on the front of the auto and held the chauffeur until the arrival of the police. After returning to the store both young ladies were, of course, greatly excited and a lady friend volunteered to help them. Leaving her pocket book on the desk she turned away for a minute, and was very much put out on turning round to see two men walking off with it, both getting away in the excitement.

A delightful outing was enjoyed, July 22, by A. Funke and Theo. Hengensternberg, growers of Hempstead, L. I.; J. R. and F. Kervan, west Twenty-eighth court; A. L. Young, twenty-eighth street and W. Killian, retailer of West One Hundred and Forty-fifth street. The party boarded a motorboat at Canarsie, L. I., which had previously been well stocked with the things that make an afternoon on the ocean wave most enjoyable, spending a fine afternoon on Jamacia Bay, returning in the evening with the boat loaded not with refreshments, but a splendid catch of weak fish, estimated at about 400. As to refreshments they were not in the boat coming back.

Young & Nugent had quite a large funeral order last week; among the pieces was a large standing wreath, six feet high, made of lily of the valley, purple asters and lilies, designed by Wm. Hanft, the popular Twenty-eighth street artist.

Fred Kervan of Alabama, eldest son of the founder of the firm of Kervan & Co., dealers in palmetto leaves, southern smilax, etc., is spending a few weeks in this city with a view to locating permanently here.

F. D. Outerbridge of Sunny Lands, Bermuda, is spending a few days in this city investigating alleged customs over-charges. Mr. Outerbridge is a large shipper of cycas leaves.

A. J. Guttman reports his oil business is progressing nicely and expects to have a demonstration of paints mixed

with this oil at the Rochester convention.

The Growers' Cut Flower Co. is still receiving large shipments of sweet peas which, considering the dry spell, are arriving in fairly good condition.

Joe Levy, the well known wholesaler of West Twenty-sixth street, is spending two weeks at Pine Hill, Catskill mountains.

Arthur T. Boddington is now receiving large shipments of Lillium Harri-sii and freesia bulbs.

BOWLING SCORES.

Manda	.....217	167	195
Shaw	.....98	121	113
Faulkner	.....100	84	104
Fenrich	.....223	171	202
Berry	.....	170	150

New York to Rochester.

TWENTY-SIXTH ANNUAL CONVENTION OF THE SOCIETY OF AMERICAN FLORISTS AT ROCHESTER, N. Y., AUGUST 16-19, 1910.

After due deliberation on the various routes to the convention city, your committee on transportation has selected the Lehigh Valley railroad as the official route of the New York Florists' Club, and heartily invite all members of the S. A. F. and their friends to travel as guests of the club and the transportation committee, on this important occasion.

Your committee has engaged the sixth floor of the Seneca hotel, Rochester, N. Y., for the accommodation of the members of the club and their friends. This hotel, the most modern and up-to-date hotel in the flower city, will be headquarters, and is within easy walking distance (about four blocks) of the convention hall and exhibition.

The transportation committee will have a diagram of the floor and rooms on the train, so that assignments can be made and reservations allotted, saving much time and worry on arrival at Rochester. Rates are from \$1.50 per day up, (European plan) according to location. All the members of the New York Florists' Club and S. A. F. and their friends who travel on this train are cordially invited to be the guests of the transportation committee for dinner at the Glen Summit Springs hotel, Glen Summit, Pa., where the train will stop for one hour at about 1.45 p. m.

It is advisable, and particularly requested that members, their friends and delegates, notify the committee as early as possible as to their intention and number of the party who will travel with us on this special train de luxe. Entertainment and refreshment will be a special feature on this train as usual.

ITINERARY.

Monday, August 15:—Leave New York, Penn. ferries, West Twenty-third street, 9.40 a. m.; Cortlandt and Desbrosses streets, and the Hudson terminal, 9.50 a. m. 1.45 dinner at Glen Summit Springs hotel, Glen Summit, Pa., as guests of the New York Florists' Club transportation committee. Arrive Rochester 7.45 p. m.

The regular authorized rate for this occasion is one and three-fifths fare on the certificate plan. The going fare, New York to Rochester via Lehigh Valley railroad, is \$7, obtaining certificate from ticket agent entitling holder to return at the rate of \$4.20, with payment of fee of 25 cents for vise of certificate. For tickets apply to ticket offices of the Lehigh Valley railroad, at 30 Flatbush avenue, Brooklyn, 140, 355 or 1460 Broadway, New York.

Tickets on certificate plan will be sold August 12-17, inclusive, returning, good until August 23. Representatives of the Lehigh Valley railroad will accompany the special train, and will assist in every way possible, in caring for the party. Please advise Frank H.

Traendly, 131 West Twenty-eighth street, New York, at the earliest moment, of your intention to take special train so that proper arrangements may be made for your comfort.

FRANK H. TRAENDLY,
(Chairman),

JOHN YOUNG,
HARRY A. BUNYARD,
Committee on Transportation.

Buffalo.

TRADE QUIET.

The weather is very warm and trade quiet. Very few weddings are on the calendar but many are away on their vacations. Gladioli, Roseum lilies and asters are welcome additions to our somewhat depleted stock. A large wedding in Tonawanda gave retailers a busy day on Tuesday.

NOTES.

When the addition to the park green-houses is completed the city will be able to grow almost all plants wanted for park purposes. Supt. Seymour is a great lover of flowers and wants as many small parks and triangles with flower beds as he can get. His predecessors had more thoughts for a smooth lawn, a roadway, but nothing to break the monotony.

The florists' picnic is uppermost in the minds of a great many now and from the programme issued a good time is promised.

Mrs. Jos. Sangster of Jefferson street is at Atlantic City. Joe is at the store. BISON.

Atlanta, Ga.

The weather the past week has been unsettled. Outside flowers, asters, gladioli and dahlias are coming in fine. Sweet peas are a thing of the past. Business reports from all stores are very good, everyone is being kept on the jump night and day, nobody gets a vacation yet. West View Floral Co. is remodeling its store, also putting in a new marble ice box.

Geo. F. Lampert, formerly with George & Allan of Cincinnati, O., has taken charge of R. F. Maddox's beautiful country place (Woodhaven), Atlanta Heights. Any visitors in the trade will find a welcome at this place; ask W. C. Lawrence.

Grant park is a place of beauty just at present after being regraded. The city has just opened the new Piedmont park playgrounds, the lake in which is a beauty and has the lion's share of attention.

Wachendorff Bros. are commencing to build two new houses, 135 feet long. These two brothers certainly deserve a lot of credit for the way they have built up their business. G. L.

The Seventeen-Year Locust Incubating.

A great 17-year locust plague in New Jersey is predicted for next year by the assistant curator at the Bronx Park Botanical Gardens, who says the soil of the state contains grubs that will be hatched next summer. The locust is a devouring insect that has wrought great destruction in the world and caused famines that swept away multitudes of humanity. Modern conditions are not such as to encourage locust life, and consequently the plagues are not so severe, but modern science has accomplished little in the way of prevention. There is no doubt that the Bronx Park scientist is correct in saying that the New Jersey soil is now a vast nursery of locust cones and that the grubs will attain their full growth next summer, which means that the state has a fight ahead to save its green things growing, its crops and forest foliage from being consumed. Perhaps the state entomologist will have plans prepared for the legislature to provide for.—Newark, N. J., Star.

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

31 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET,
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID.



Give us a Trial We can Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Pittsburg.

The market is just about the same as reported last week. Carnations are getting fewer, valley is selling up very clean and sweet peas seem to be a thing of the past, those coming in being very poor. Greens of all kinds are very plentiful.

NOTES.

Burglars entered the office of the Elliott Nursery Co. at Springdale on Friday night, blew the safe door with nitroglycerine and made their escape with \$200 in cash, two valuable watches and \$8 in stamps. The theft was discovered Saturday morning by J. W. Elliott. The work appeared to be that of experts.

A very bad fire visited Oliver avenue, Sunday evening, in which the Pittsburg Cut Flower Co. was damaged to some extent.

Frank Faulk has purchased a new touring car and is planning a trip to the lakes in it.

Frank Johnson of the A. L. Randall Co., Chicago, is a visitor in town on his way east.

Miss Tillie Kyle of the McCallum Co. is spending a few weeks at Ligonier Springs.

Wholesale Flower Markets

New York, July 27.	
Roses, Beauty, special.....	8 00@20 00
extra and fancy.....	3 00@ 8 00
No. 1 and No. 2.....	50@ 2 00
Bride, Bridesmaid, special.	4 00@ 6 00
extra and fancy.....	2 00@ 3 00
Killarney, special.....	4 00@ 6 00
extra and fancy.....	2 00@ 3 00
No. 1 and No. 2.....	50@ 1 00
Kaiserin, special.....	5 00@ 8 00
extra and fancy.....	2 00@ 4 00
No. 1 and No. 2.....	75@ 1 50
Carnations.....	2 00@ 3 00
Cattleyas.....	40 00@60 00
Gladioli.....	50@ 4 00
Lilium Longiflorum.....	4 00@ 6 00
Lily of the Valley.....	1 00@ 2 50
Asters and Sweet Peas vary so much that they cannot be quoted.	

BUFFALO, July 27.	
Roses, Beauty, special.....	20 00@25 00
fancy.....	15 00@20 00
extra.....	10 00@15 00
No. 1.....	7 00@10 00
No. 2.....	2 00@ 4 00
Bride, Maid, Killarney.....	2 00@ 6 00
Kaiserin.....	4 00@ 7 00
Pres. Carnot.....	4 00@ 7 00
Carnations.....	75@ 2 00
Daisies.....	50@ 1 00
Gladioli.....	3 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas..... per bunch, 3c@5c	
Adiantum Croweanum.....	1 25@ 1 50
Asparagus Str.....	50@ 60
Ferns..... per 1000, \$1 50	
Galax, green and bronze.....	1 50
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

Gretsch & Ordonez Bros.

WHOLESALE FLORISTS

52 W. 28th St.,
Telephone 3357 Mad. Sq. New York City

High Grade Orchids always on hand. We have room for good growers. Prompt and full returns

R. Seedler Braddick reports that he is getting along nicely with his new store.

Harry Graves and A. E. Gibson of the Zeigler Co. are going east this week.

Sam Cape, Butler street, is spending his vacation at Atlantic City, N. J. Ernest Zeiger is back from his European trip and is looking fine.

Julius Ludwig, north side, is carrying a very sore arm.

Mrs. J. Elicker, Homestead, has had her son in hospital.

Some very fine gladioli are seen at the McCallum Co. J.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square. NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

KESSLER BROS.,

450 Sixth Ave., NEW YORK

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square

— FLOWERS SHIPPED BY —

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.We ship to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

MOSSSESNew Crop Ferns, Fancy and Daggers
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

Boston.**STOCK POOR.**

The long continued drought and the extreme heat of the last two weeks have had a most deteriorating effect on the stock coming into this market both by reducing the quantity and lowering the quality. While the stores all report trade as very light, yet all the stock has been cleaned up in both markets the last few days of the week. There is scarcely anything left an hour after opening, and although the quality is poor, yet the growers have been unable to realize very good prices. Roses are quite short, even the summer blooming varieties, and some of the stock is exceedingly poor. Carnations are, in the majority of cases, very small and in the pink varieties are poor in color, yet they are finding a ready sale. Sweet peas are exceedingly poor for this season of the year. Lilies are very good and can be procured in fair quantities. Asters are small and poor, there being no really good ones yet on sale. Valley is in fair quantity and good. Gladioli are being brought in by some growers but show the effect of the dry weather and are far below the usual standard.

NOTES.

A trip around the different stores finds vacations in effect everywhere, some going and some returning. Julius Zinn has been spending the month of July at his summer home at Marshfield. P. Welch is enjoying the bathing at Old Orchard but expects to be with the boys on the Rochester trip. W. H. Elliott is spending a few days in Maine. William Penn is sojourning at Boothbay Harbor, Me. Henry Robinson is camping at Sunshine lake, N. H., but runs down for a day once in a while to see how the Hub rolls around. J. A. Cartwright, "Dell," starts Monday to spend a few days on the banks of the beautiful Charles. W. J. Thurston, the genial manager of the Park Street Market, returns Monday from Maine where he has enjoyed a well earned rest. G. R. Ludwig, McCarthy's hustling manager, is back at the store after a two weeks' vacation. S. J. Goddard is expected back from England the coming week and we will then know how well the American carnations are doing on the other side from an American point of view.

While the plans for the excursion of the contingent from this city to the convention of the Society of American Florists are not yet completed, a circular issued by the Gardeners' and Florists' Club informs its members that



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax \$1.00 per 1000; 8.50 per 10 000

Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Lod Moss, in barrels for hanging baskets..... \$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

probably round trip rates between Boston and Rochester for \$13.40 will be secured. A special Pullman is being arranged for, seats in this to be \$2 extra, or, if the party travels at night, \$2.50 a berth. E. Allan Peirce has charge of the party and expects to complete all the arrangements this week, and all planning to take in the convention should notify him at Waltham. The circular ends with the following: "We want a delegation of 100 from Boston and outlying points; many are already enrolled and new names are coming in daily. Can you afford to stay at home? Let the Gardeners' and Florists' Club of Boston send a rousing delegation which will show to the outside world that our organization is one to be reckoned with." This has the right ring.

Everybody is looking forward to the annual picnic of the Gardeners' and Florists' Club which will be held at Pine Banks park, Malden, on Wednesday. An unusually attractive list of prizes has been donated for the various athletic events which it is hoped will bring out as usual some keen competition. A very efficient committee has the matter in charge and with hustling President Miller at the head and genial Tom Pegler as chairman of the committee and jovial Billie Kennedy as ringmaster, everyone can be assured of a royal good time if the weather man will only hand out the right brand.

Both flower markets after a year or more parleying have decided to close at 12 o'clock Saturdays, and the Waban Rose Conservatories, W. H. Elliott and J. A. Budlong Son & Co. close at the same hour. This is a move in the right direction and the wholesale stores would do well to begin now and next year join in the procession. And then, perhaps, some day the retailers would see that it was advisable to grant to their employees, after putting in the long hours that are required through the week, the privileges which the workers in other stores now universally enjoy.

The lawns throughout the suburbs are showing the drought badly and in some of the cities in this vicinity the hose privilege is being curtailed owing to the low condition of the reservoirs. A notable exception is the Common in this city where the installation last spring of a new water supply has given ample means to keep the grass in splendid condition. The new large rotary sprinklers supplied with a 3-inch hydrant hose watering a circle

New Crop Ferns**FANCY and DAGGER ready May 1st.**Special price for large orders
Price \$1.25 per 1000.**CALDWELL THE WOODSMAN CO.,****Evergreen,****Alabama**

Mention the American Florist when writing

fully 50 yards in diameter are daily attracting the attention of the crowds that frequent this beautiful park.

About 25 of the salesmen and growers of the Park Street Market and their friends spent Thursday on a fishing trip on the steamer Satellite. The well burnt arms and necks show the tribute paid to Old Sol and from the side remarks heard from the participants some of the party spent more time lying down in the boat than in fishing, but Neptune always claims his victims in a party of this kind. Seiter Mann won the pot for the first fish (a sculpin) and all report a most enjoyable time.

T. F. Galvin Co. at the Tremont street store had all hands busy putting up funeral work. Penn on Saturday had his hands full all the morning and Goode & Co. on Thursday had a very busy day. A beautiful casket cover of My Maryland roses flanked with wreaths of Killarney and Kaiserin roses, made a very handsome effect, but outside of work of this character there is nothing doing and everybody seems to be waiting for the grim reaper.

N. F. McCarthy & Co. are making extensive improvements in their store which will greatly add to the convenience and to the light in the basement. The store is all torn up at present and the new stairway well placarded. "Don't fall in the hole."

We extend our heartfelt sympathy to Geo. M. Anderson of Milton, whose wife passed away on Saturday, July 16, after an illness of six months. The funeral took place July 19.

N. M. Silvermann, Winter street, is the recipient of congratulations. The stork left a son and heir at his house a few days ago. E. A. W.

PHILADELPHIA, PA.—Jacob Becker has been granted a permit to remove his greenhouses from Forty-ninth and Chestnut streets to Fifty-second and Ludlow streets.

EVERYBODY SAYS

The Rochester Convention

WILL BE

The Greatest on Record

AND

EVERYBODY KNOWS

The American Florist Convention Number

To Be Issued August 11

WILL BE

A Fitting Representative of the Great Occasion.

Advertising rates are as usual, \$1 per inch, single column width, \$30 per page of 30 inches, with the usual discount on time contracts.

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CHICAGO

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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Established in 1857.



739 Buckingham Place,
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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
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Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.
We Handle Everything in Season.

Milwaukee, Wis.

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Will take proper
care of your orders in **Wisconsin.**

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440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

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D. C.

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14th and H Streets.

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Also

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**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

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**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in
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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

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Established 1849

David Clarke's Sons

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2139-2141 Broadway

Telephones:

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Choice Cut Flowers

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Elmira, N. Y.

The past year in the business of the United States Cut Flower Co. has been very prosperous and many new orders have been declined because of the company's inability to grow enough flowers to fill its regular orders. Notwithstanding the addition of 59,000 square feet of glass since the original plant of the company was built, the demand for the output has been constantly growing. The company is now considering plans for a further enlargement of the growing department with from 25,000 to 50,000 square feet of glass, in time for its completion and planting so that the benefit of its operation may be derived during the fiscal year of 1912 and 1913.

Omaha, Neb.

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FLORISTS,

1415 Farnum St.

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Denver, Colo.

**The Park
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Phone 2416 Main

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Write, Telegraph or Telephone.

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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

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EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
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CLEVELAND, O.

We Cover All Points in Ohio.

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KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORISTS.

25 Clinton Avenue, N.

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L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

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THE ANDERSON FLORAL CO.

553 MARSHALL AVE.

MICHIGAN. Orders will be carefully
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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

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Established 1874.

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N. E. Corner 44th St.
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

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Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Mention the American Florist when writing

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Mention the American Florist when writing

San Diego, Calif.

The San Diego club house always looks its best when the Floral Association meets there, and the occasion of its third annual gathering was no exception. Being Flag day, the decorative scheme was carried out in red, white and blue, with the stars and stripes draped on the platform, reflecting great credit on the committee in charge. Members and friends turned out in good numbers. The election of a board of directors resulted in the choice of the following: L. A. Blochman, Hon. Lyman J. Gage, Mrs. T. Kneale, Alfred D. Robinson, Mrs. F. T. Scripps, Rodney Stokes and W. F. Vogt. A subsequent session of the board made Alfred D. Robinson, president, Hon. Lyman J. Gage, vice-president, L. A. Blochman, treasurer, the secretaryship being left open for the present, Rodney Stokes consenting to serve till the appointment of his successor. The musical programme alone was a full evening's entertainment, and the willingness of the artists to display their talents for the benefit of the association speaks much for the goodwill they hold towards their floral brethren.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 467 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

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Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phone
Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.
Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty, 218 W. 4th St.

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Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

CHOICE alfalfa seed is scarce.

THE potato crop is expected to be very short.

THE death of Wm. Rennie, Toronto, Ont., is recorded in our obituary column this week.

ALASKA PEAS are reported to have been sold at over \$5 per bushel for this season's crop.

VAUGHAN'S SEED STORE at Chicago expects to begin shipments of winter onion sets early in August.

CHICAGO.—Prices on the board of trade July 27 for grass seed were noted as follows: Timothy, \$5.50-\$6.50 per 100 pounds.

PEA canners who took contracts are reported advising customers of 75 per cent shortage in their pack of Alaskas and Extra Earlies.

SAGINAW, MICH.—W. H. Grenell has acquired the seed stocks and good will of Bromfield & Colvin, of Bay City, together with any surpluses they may have.

ONION SETS at Chicago are generally looking fair, the showers of the past 10 days, though uneven, have helped many fields; present hot weather should cause them to bottom fast.

ALL seedsmen should secure a copy of Bulletin 260, on "Seeds of Michigan Weeds," by W. J. Beal of the Michigan Experiment Station at East Lansing. The bulletin is profusely illustrated, with an extensive index.

A RE-ORGANIZATION of The Mangelsdorf Bros. Co., of Atchison, Kans., has just been completed, whereby Wm. Mangelsdorf and Henry D. Back assume the business at Ellinwood, Kans., and all real estate interests in Barton county, Kans. Aug. Mangelsdorf and his sons take over the entire Atchison business and the charter of the company. The officers of the re-organized company are: Aug. Mangelsdorf, president; Aug. F. Mangelsdorf, vice-president; Fred W. Mangelsdorf, secretary; Frank H. Mangelsdorf, treasurer. The capital stock of the company remains as before, \$100,000, fully paid, with a surplus of \$26,000.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

REDTOP grass seed is firm in price and demand good.

A. T. FERRELL, wife and daughter, have returned from Europe and are at Atlantic City, N. J.

SWEET CORN seed is likely to be a short item, several growing sections having been hurt by the drought.

VISITED CHICAGO: Burnet Landreth, Jr., of the David Landreth Seed Co., Bristol, Pa., and Kirby B. White, of D. M. Ferry & Co., Detroit, Mich.

ROCKY FORD COLO.—Growing conditions here continue very favorable and, with a few exceptions, crops promise full delivery on contracts. Seed growing in this valley has extended very rapidly and the acreage this year is much larger than heretofore. D. V. B.

Onion Sets at Louisville.

Louisville, July 22.—Onion sets are a very good crop here with the exception that there are a great many picklers among them. This we suppose is due to the very favorable weather at the time the bulbs were forming, but the crop will be larger than last year as a whole. The incessant rain in the last two weeks has greatly augmented the grass in the different fields, which will make harvesting very slow.

California Conditions.

Hollister, July 19, 1910.—The extreme heat has injured onion to quite an extent with some growers during the last few days. We are not hurt seriously as yet. We are harvesting lettuce which promises a good crop. Radish is fair. Sweet peas, now all cut, will not average a full crop. Bloomsdale spinach will afford a good crop and the seed is very good. Salsify may be a little short of normal. W.

Wisconsin Seed Crops.

Sheboygan, July 20, 1910.—The extreme hot and dry weather still continues with us and has remained unbroken for two months and more, with the exception of a very light shower and the pea crop has been greatly damaged. From an anticipation of six weeks ago as having the best crop conditions that we had known since being in business we now have to report probably the greatest disaster to crops and the lightest possible deliveries that we have ever experienced and from all of the sources from which we are able to glean information we think that the general delivery in our

lines from growers throughout the country will be the lightest that has been made in this country to the seed trade and canners in many years, if not during the entire experience in seed growing.

Earlies and Alaskas have done better than other varieties and will probably give a much better delivery than almost any other variety this season, but the medium late peas used by canners have suffered more than any other varieties and the delivery of these varieties will be extremely light.

As to beans, we get better reports from Michigan than from Wisconsin and with good weather from now on it would make reasonable deliveries, but all depends upon what the weather shall be hereafter.

Pods on both peas and beans are very short with few peas to the pod and of an unusually small size, thus reducing the quantity in every possible way. JOHN H. ALLEN SEED CO.

Farm Weeds of Canada.

SECOND EDITION.

The first edition of "Farm Weeds of Canada" was distributed free to public libraries, schools and other institutions, being designed to stimulate interest in the subject of farm weeds and their destruction. The second edition is larger and illustrated with 76 splendid color plates, the great expense of preparing which has necessitated a charge of \$1, or at least this nominal charge has been fixed to prevent the book getting into the hands of those who make no use of it or would appreciate its value. It is not a botanical list of wild plants nor is it a highly scientific publication. It is simply a list of pernicious weeds that grow on Canadian farms most of the better known or commoner varieties being so plainly illustrated that no one could fail to recognize the plants.

But not only this—the book describes, in simple, easily understood language, how to exterminate them on lands that are infested, how to prevent their spreading—describes how they spread and the losses caused by allowing them to. The chapter on "Weed Seeds in the Soil" is well worth reading as it describes tests made by various authorities as to the vitality of weed seeds buried for different periods of time and gives inferences drawn from these tests. Rotation of crops, summer fallows and other methods of keeping weeds in check are fully described in the introductory chapters, after which the weeds are described and illustrated in separate families. Under each variety is given first the common name, then the botanical, followed by other English names and other Latin names. Its introduction (if not a native) is then given, its seed described (and illustrated), its time of flowering, propagation occurrence and the injury it does to crops by its persistence. Remedies follow and a list of allied species is given. We can hardly imagine a better arrangement and the book should be in the hands of every farmer, seed grower and horticulturist in the country for the nominal price charged has no relation to its intrinsic value. There is an excellent index. The book is published by the Canadian Department of Agriculture and can be obtained (single copies only) from the office of the Superintendent of Stationery, Government Printing Bureau, Ottawa.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA



High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

"BUDS"

CARL R. GLOCKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

	Per 1000
<i>Lilium Longiflorum</i> Multiflorum, 7-9.....	\$50 00
" " Giganteum, 7-9.....	65 00
" " Formosum, 7-9.....	65 00

F. O. B. New York.

RELIABLE SEEDS.

	Oz.	Tr. Pkt.
Bells, double Daisies, Longfellow, pink	\$3.00	30c
" " Snowball, white	3.00	30c
Carnations, hardy garden, finest double mixed	2.00	25c
Myosotis, alpestris, Victoria compact blue	2.50	35c
Pansies, Special florists' mixture	4.00	50c
Pinks, double dwarf hardy garden mxd.	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd.	4.00	50c

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Jerome B. Rice Seed Co.

CAMBRIDGE, N. Y.

CORRESPONDENCE INVITED.

GREENFIELD, MASS.—The gardens of the Specialty Floral Co. at 12 Power court present a fine showing of sweet peas just now.

PITTSBURG, PA.—The business heretofore conducted under the name of E. C. Ludwig is now known as the E. C. Ludwig Floral Co.

WEST CHESTER, PA.—Joseph Kift, florist and landscape gardener, has accepted the appointment as one of the tree commissioners in the city.

MILWAUKEE, WIS.—The Flora-Bon, corner of Third street and Grand avenue, will open up about August 1 with a good showing of cut flowers and will be out for design and funeral work. The location of the store is good, in the center of the business district, and D. van Engel, the manager, will put plenty of spirit into the undertaking and will doubtless make it a success.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

PANSY SEED New Crop

Perfection Mixture, made up from the finest strains grown	Pkt.	Oz.	Madame Perret	Pkt.	Oz.
Elite Mixture	.50	\$8.00	Glant Parisian Mixture	.25	1.50
Cassier's Giant	.50	4.00	Glant Pansies, in separate colors, white, black, yellow, sky blue, dark blue, red, brown, striped	.25	1.50
Bugnot's Five Spotted	.50	5.00			
Masterpiece	.50	5.00			

SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

Mignonette New York Market.

New Seed Now Ready.

This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. The plants grow from two to three feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants, grown from three to five shoots to a plant, and was all saved from the spikes measuring from ten to eighteen inches long. Trade pkt. (about 1000 seeds), 50c; per oz., \$7.00; ¼-oz., \$1.00.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Seasonable Seeds

For Summer Sowing

All the Leading Kinds

James Vick's Sons

SEEDSMEN

Rochester, New York

N E C SMILAX SEED

Ounce, 25c; ¼ lb., 75c.

Vaughan's Seed Store
CHICAGO. NEW YORK.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trimar-deau. It is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red mahogany and numerous other light, medium or dark mixtures.

1910 Seed Now Ready.

2000 seeds 50c; 5000, \$1.00; ¼-oz., \$1.25; 1-oz., \$5.00; 1 lb., \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield Mmo. Perret, white darkeye, purple, black, masterpiece, red, brown bronze, dark blue and light blue shades. Trade packets 25c. any five for \$1.00. 12 packets one of each variety \$2.25.

Rainbow is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Seed PANSY Seed

Brown's Improved Prize Pansy Seed.

Finest strain in the market.
In color and size they are incomparable.

Price of mixed seed.

3000 seeds, \$1.00; ¼-oz., \$1.50; ½-oz., \$2.50; 1-oz., \$5.00; ¼-lb., \$14.00; ½-lb., \$25.00; 1-lb., \$50.00; in separate colors. Yellow with dark eye, same price. Cash with order.

PETER BROWN, Pansy Seed Grower,
LANCASTER, PA.

Dutch Bulbs We forward free to destination collections of Bulbs for from \$5.00 to \$25.00. Terms, cash with order. Please send for particulars. Apply to The Dutch Bulb & Seed Growers Co., Haarlem, Holland.

Always mention The American Florist when you order stock.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

It is reported that the early potato crop in Michigan will only be about 50 per cent of the normal, owing to drought.

STERLING, ILL.—The R. R. Davis Greenhouse and Davis & Steiner have consolidated under the name of the R. R. Davis Co. The new company, in addition to its vegetable growing business, will deal in live stock, gravel and cement.

In an editorial in a recent issue the Produce News says that there was never a time when a standard package law was so badly needed as now and it urges all in the business, no matter whether shipper or receiver, to use their energies in securing such legislation.

DANIEL W. HOEGG, SR., said to be the oldest packer of canned goods and the only remaining pioneer who introduced the canning of fruit and vegetables into the United States, died at Portland, Me., June 28, aged 83. He was the first man to pack canned goods in Canada, and was interested in eight factories for canning lobsters, salmon and smoking herring in the provinces of Quebec and New Brunswick.

CHICAGO.—A. Breit and Mike Kloss, have leased the Peter Breit place, 7455 Ridge avenue, and will continue to grow vegetables. There are 12 greenhouses on the premises which gives them about an acre under glass. Mr. Kloss will occupy the new residence that is being built. Peter Breit will leave soon for Tennessee or Alabama where he will engage in truck farming.—H. Brandt, 7316 Parkhurst avenue, is very busy with his cucumber crop. Preparations will be made soon for the fall planting.—Chas. Hengerch, 7360 Murphy avenue, still realizes a neat profit from his cucumber crop. This crop will remain in the houses for another month, when it will be thrown out and preparations will be made for the fall planting. Mr. Hengerch has rented 17 of his houses and keeps the remaining five for his own use. The opening of the season looked bad, but in June and July more favorably. Mr. Hengerch is satisfied with the results of this season's growth, although it is less than last year.

Summer Seed Sowing.

Summer seed sowing presents difficulties not encountered in the spring. The main trouble is lack of subsoil moisture. Only too often summer showers do not penetrate deeply, thus encouraging seeds to germinate and be destroyed by a succeeding hot day. Another factor against success is loose soil. Generally late sowings are made to follow other crops. To prepare such land it is often necessary to plow it thereby destroying subsoil contact. When land must be plowed in the

summer, only small pieces should be handled at one time and each section rolled and harrowed until all hollow-ness is corrected.

Often the worst time to sow is after a rain, because the moisture may last long enough to sprout the seed and not long enough to establish the plant. This is especially true of quick germinating seeds like lettuce. It is often better to harrow land until all moisture has been evaporated out of the upper inch of soil and then sow the seeds, so they cannot sprout until a shower comes. Being ready for the moisture, the seed will get a hold before the moisture recedes. We often use wheel hoes to prepare seed beds. They give us an absolute uniform depth of loose soil and a solid subsoil, much better than any horse tool.

Another expedient is furrowing. We employ this for seeds which will not stand much covering. We mark out the rows with one plain cultivator tooth and then run the drill in these furrows, using no covering attachment. Thus the seeds are nearer to permanent moisture yet only lightly covered. During extremely dry spells we use our hotbed cloth covers to sprout seeds in the field. We give the drilled rows a good watering and cover with the hotbed cloth frames and as soon as up, move the covers to the next lot and so on. In this way we can get a stand of lettuce, onions or beets at a time nothing else would do it.

Sometimes it is advisable to rake the surface lightly with a hand rake just as soon as it can be done after a rain. This prevents baking and conserves moisture. To sum up, we often are compelled to use every possible scheme to get a stand in the summer. Spinach we broadcast and then top-dress with a manure spreader. We reduce the number of loads per acre to a low limit and put on two or three such light coats and find the more we run the machine over the ground the better the stand will be. The manure mulch keeps the moisture near the surface and protects the spinach in winter.

MARKETMAN.

Seattle, Wash.

The busy season is over and the growers are looking over stock preparing for the fall trade. A great many carnations are already benched and quite a few growers are going to carry over some benches of last year's planting, as they do well on the coast. Early chrysanthemums are just coming in at McCoy's. They will be cutting Golden Glow in about a week. Roses have been very fine this summer and plentiful. The first crop is gone and the second will be ready to start cutting in a few days. Sweet peas are a glut but they are exceptionally fine and extra large blooms. Business has been very quiet this summer. Last year we could not supply the demand, but this year there are more wanting to sell than to buy, all on account of the Alaska-Yukon exposition. There are many new greenhouses being added to some of the old plants and a few new ranges being started.

NOTES.

On July 8 about 35 amateurs of this city started a rose society to be known as the Seattle Rose Society, to meet in the chamber of commerce the sec-

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
324 Dearborn St., Chicago.

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.	\$0 20	\$1 00
10,000 and over	85c per 1000	
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market	20	1 00
10,000 and over	85c per 1000	
— Cash with order. —		

R. VINCENT, Jr & SONS CO., White Marsh, Md.

Mention the American Florist when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.
Mention the American Florist when writing.

ond Friday of each month. The object of the society is to hold a rose carnival and show every year to educate amateurs how to grow, trim and care for roses, the best varieties to plant and how to plant, the best soil and fertilizers and how to use the same and to encourage the growth of roses to beautify the city. The officers are all amateurs and are well posted on roses, better than a great many of the florists. A few of the florists have joined, others are a little narrow-minded, as it is not a florist society; but they are to blame that the city has no florists' society. This rose society will grow and be a benefit to the nurserymen if they will only encourage the amateurs.

A. L. Aabling, late of the Woodland Floral Co., has bought five acres near the Golf and Country club grounds and is starting to build greenhouses and will run fancy nursery stock in connection with his greenhouse plant. He expects to supply the clubhouse with vegetables and also the private people who are building some of the finest summer residences on the coast near the golf grounds.

Thomas Wiley has built two houses 25x150 feet on his place at Brighton Beach. He is going to grow carnations, chrysanthemums and bedding plants.

The Queen City Floral Co. has bought eight acres on the Everett interurban and intends building three houses 25x200 feet this summer.

Frank Bell of Brighton Beach is looking for 25 or 30 acres to give room for a large range, as he is cramped for room on his old place.

The Seattle Floral Co. is taking the roofs off some of their old houses and are going to rebuild and use larger glass.

The Hollywood Gardens have added three new greenhouses.

J. C. R.

Cincinnati.

TRADE FAIR.

Everything taken into consideration we have no complaint to make about business the past week as all the flowers received by the wholesalers were disposed of at fair prices and more carnations could have been used to advantage. Roses also were in good demand and several good-sized orders had to be turned down as the stock was not forthcoming. Lilies are fine, the quality is all that could be desired and they are the mainstay of the market at the present time. The supply of gladioli is steadily increasing with a large selection of colors. While the demand is satisfactory still they are not moving briskly enough to take up the supply and \$2 to \$3 buys a very nice 100 spikes. A few sales of America were reported at \$6 per 100. Green goods of all kinds are in good supply and the demand is satisfactory.

FLORISTS' SOCIETY OUTING.

Delightful weather, a large and enthusiastic crowd and a fine programme of sports all helped to make this year's outing of the Florists' Society one of the most enjoyable ever held by it. The country club grounds at Carthage is an ideal place to hold an affair of this kind and when Superintendent of Parks Herbert Greensmith, remarked on his way home that it was the happiest and most pleasant day he had spent in a long time, he echoed the sentiments of every one who attended this year's outing. The committee of arrangements consisted of Max Rudolph, C. E. Critchell, Gus. Adrian and Wm. Murphy. Frank Delar looked after every detail and nothing was left undone to give everybody a most enjoyable time. The following were the prize winners:

Boys' ball game.—Won by the store boys.
Men's ball game.—Won by the growers.
Boys' foot race, age limit 12 years.—Won by Master Kahn.
Boys' foot race, age limit 15 years.—Won by E. Davis.
Young men's foot race, age limit 19 years.—Won by Charles Windram.
Young ladies' foot race.—Won by Miss Pfeiffer.
Fat man's race.—Won by J. Conger.
Foot race, open to all.—Won by Al. Heckman, Jr.
Tug of war, ladies.—Won by Mrs. K. Zitscher's side.
Boys' sack race.—Won by W. Dellar.
Tug of war, men's.—(Box cigars.) Won by Wm. Murphy's side.
Young ladies' egg race.—Won by Miss Jennie Adrian.
Married ladies' egg race.—Won by Mrs. Ernst Manthey.
Boys' tug of war.—Won by Sidney George's side.
Swimming contest.—Won by Chas. Windram; D. Rusconi second.
Shooting contest.—Won by C. C. Murphy; Mr. Manthey, second; Fred Klinge, third.
At a special meeting of the Florists' Society, held on the day of the outing, July 21, a letter from F. Vick of the S. A. F. sports committee was read asking the local florists society to send a bowling team to Rochester and upon motion of J. A. Peterson was carried unanimously. Enough money was voted the bowling club to send a team to compete in the S. A. F. bowling tournament.

Last Saturday Wm. Gardner was given a farewell banquet by about 20 of his friends in this city at the Lathold and Newburgh cafe. A most enjoyable time was had and it was long past midnight before the happy gathering parted. Mr. Gardner is now a full fledged resident of New Castle, Ind.

Aleck Ostendarp of the J. M. McCullough's Sons Co. is on his vacation and H. B. McCullough has just returned from a business trip through the east.

J. A. Peterson has bought the material for two new houses and is installing a new steam boiler.

Mr. Winters of the Charleston Floral Co., Charleston, W. Va., was a caller this week.

Lilium Harrisii

Now Ready for Delivery.

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **\$17.50** per case; less quantities, **\$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **\$18.00** per case; less quantities, **\$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **\$20.00** per case; less quantities, **\$25.00** per 100.

F. R. PIERSON CO.

Tarrytown-On-Hudson,

NEW YORK.



Standard Bay.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

BOX TREES

Bush Shaped.

These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.....	\$0.30	\$3.00	\$20.00
12 to 15 in.....	.35	3.50	25.00
15 to 18 in., light.....	.40	4.00	30.00
15 to 18 in., heavy.....	.45	4.50	35.00
20 to 24 in.....	.75	8.00	

All plants are quoted f. o. b. Western Springs.

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

Purchase Direct from French Grower

AND SAVE DEALERS' PROFITS

Hyacinths

White Roman, Etc.

Narcissus

Grandiflora P. W., Trumpet Major, Etc.

Freesia

Refracta Alba, Etc., Etc., Etc.

SOLEILLET,

Grower and Exporter,

Toulon, France

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

THE Standard Orchard Co., at Scottsville, Texas, have shipped over 200 carloads of peaches this season, the company turning out 115 carloads in one week.

Nursery Shipments to China.

The following communication has been received by Ellwanger & Barry, the world-famed nurserymen of Rochester, N. Y., from Mukden, China:

"The shipment that you consigned to me under date of February 17 arrived here May 27. Long delays were caused by the avalanches on the Pacific coast and also in trans-shipment at Kobe. In spite of these delays the stock arrived in excellent condition and at the present time fully two-thirds have developed strong buds and shoots."

Prof. Craig at Binghamton, N. Y.

INTERESTING TREE REPORT.

Professor John Craig, of Cornell University, Ithaca, N. Y., was recently invited to examine and report on the conditions of the trees in the streets of Binghamton, N. Y., and a portion of his report is appended. After referring to the various trees grown, the report says:

ELMS.

White elm is especially adapted to valley lands, characteristic of the site of Binghamton. This tree is long-lived and healthy on land of this kind. In selecting elms for city planting, care should be taken to avoid the slippery or red elm, which does not succeed in dry soil. The cork elm, an upland tree, is well adapted for city planting, especially in locations which are apt to be dry, or upon gravelly soil. The elms, while somewhat objectionable on account of the amount of seed developed and distributed in early spring, are in the main healthy and stand as the most generally useful and perhaps the most beautiful of all our native trees for street planting.

SUGAR MAPLE.

This tree, unlike the white elm, is a native of uplands often found on dryish ridges in company with beech, white ash and basswood. As a street tree it is relatively short-lived, particularly if planted on low ground. The tree needs careful pruning. It is subject to borers and leaf blight, and it should never be planted on poorly drained soil; but of course in cities the drainage problem is ordinarily completely and thoroughly cared for by the sewerage and water systems.

BASSWOOD.

The comparatively few specimens of this fine native tree (often called linden) found in the city of Binghamton, are among the finest on the streets. It is a clean and fairly rapid growing tree and not easily injured by unfavorable soil conditions. Neither is it frequently or seriously attacked by insect or fungous enemies. In my judgment this tree is preferable to sugar maple and will bring more satisfaction than that variety.

OAK.

Fine specimens of both red and white oak are found in many places on the

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

streets, while again there are many old veterans that are in various stages of debilitation. The roots of these trees suffer from grading in the establishment of sidewalks. The trees are naturally long-lived, but tend to become scrawny in old age. They are especially susceptible to fungous diseases of the trunk, which result in producing decay and destroying life and beauty. Among the best oaks for street planting are scarlet, a magnificent tree in autumn, and the northern pin oak, which is well adapted to street work on account of its upright form. The trees, then, recommended are white elm, cork elm, scarlet oak, northern pin oak, basswood and hard maple. Horse chestnut is a vigorous and healthy tree, with the exception of a marked susceptibility to a serious fungous disease, but causes a good deal of litter during the flowering and again during the fruiting period each season.

TREES CONDEMNED.

There are certain trees, the planting of which, in my judgment, should be prohibited by city ordinance. Prominent among these is the Carolina poplar, and included with it are other members of the poplar tribe. These poplars have the one virtue of growing with great vigor and rapidity, and bringing shade quickly; but this virtue is offset by many faults which are sufficient to condemn them for street purposes. The roots have tremendous penetrating power, and will force their way through retaining walls unless of solid concrete, will break into and clog water mains and sewers, and the female or pistillate trees develop and distribute cottony seed which, in early summer, is exceedingly objectionable.

Other cheap and poor trees, defective in various ways, which ought to be excluded from street planting, are silver poplar which sprouts very badly, soft maple which grows rapidly and breaks easily under stress of wind storms, and box elder, a western tree influenced in every way, and a score of our own native trees, but they have the virtue of growing with great rapidity. These trees may be planted to provide shade quickly if other enduring kinds are set between. The great danger, however, is that the temporary tree is not cut out when it ought to be and the net result is that the permanent tree is smothered and killed in the subsequent struggle which goes on. I believe that the four trees mentioned, viz., Carolina poplar, silver poplar, soft maple and

box elder ought to be put under the ban and their planting prohibited.

INSECTS.

The most serious insect on the elm is the European elm scale. This was found abundantly on elm trees in nearly all parts of the town. It is an imported insect, but is making itself very much at home in various parts of this country, although its first appearance was noted only as far back as 1884 at Rye, N. Y. Its distribution has been noted as far west as Spokane, Wash., and it is a serious enemy of elms in Nevada. This insect injures and kills trees by sucking their juices. If untreated, the tree either dies or takes on such a sickly and unhealthy appearance that it is neither useful nor ornamental.

The insect is always more abundant where the trees are crowded and where, by reason of this crowding, they lack vigor. It may be treated satisfactorily by spraying with kerosene emulsion of the strength of 10 per cent of kerosene. This should be applied to the tree with considerable force and in such a way that every insect is hit. It is a contact poison and only those insects which are covered with the oily mixture are affected. Among the proprietary oil mixtures which have been used satisfactorily in treating this insect is scalecide. This should only be applied during the dormant period in proportion of one part of scalecide to 10 parts of water.

THE APPLICATION OF WATER.

Experiments have shown that by using the garden hose and applying a stream of water with considerable force the insects may be washed from the twigs and branches. When this remedy is used, the water should be applied in April and again in June. There is only one generation of the insects each year, and if the April syringing is thoroughly done, then there ought to be little trouble afterwards; but, of course, this remedy is impractical in the case of large trees. However, in the case of young trees up to 15 or 20 feet in height it is entirely feasible. The hose should be fitted with a piece of gas pipe eight or 10 feet long, to which is attached a nozzle which will throw a solid stream. By using a step-ladder the operator can reach young trees and wash the limbs very thoroughly.

When trees are badly infested, it is most desirable that they be headed

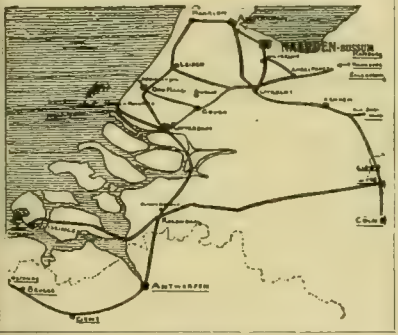
When Traveling in Europe

Do not forget to inspect our nurseries. We grow immense quantities of Rhododendrons, Azaleas, Magnolias, Boxwood, Conifers, Pot-grown plants for forcing, Lily of the Valley, Evergreens, etc. of high grade and quality. Our nurseries are on sandy soil from which trees transplant readily. From Amsterdam to our nurseries it is only 25 minutes by rail and a train runs every hour.

Catalogue Free on Application.

JACS SMITS & CO.,
Naarden, Holland.

Long Distance Phone, Bussum 33.
Cable Address, Smits-Naarden.



back severely during the winter and that all the prunings be burned. If this is done and followed by the use of scalecide, kerosene emulsion or thorough washing, I have no doubt at all but that the trees can be cleaned up.

BOREES.

The most serious enemy of the maple tree is the borer, which works in the stems and main branches girdling the sapwood, causing the death of large branches and sometimes the entire tree. When the borer is at work, it should be dug out, the affected parts treated with an antiseptic, the cavities filled where necessary, and the wounds painted. There is a good deal of this injury wherever the maple tree is freely planted.

PRUNING.

A large portion of the street trees in Binghamton are in need of pruning. Some of these have been pruned in the past and not very wisely. A fundamental principle in pruning is to cut so that no stubs shall be left. The branch should be removed close to the stem from which it springs. In this way nature will heal the wound by covering it over with new tissue. All cut surfaces should be painted to keep out moisture and germs which bring decay. There is a good deal of this work to be done on the Binghamton street trees.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

**Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen and Florists Rutherford, N. J.



ArboVr itæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Phoenix Nursery Company

**Nurserymen and Florists
BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet. will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of *AMPELOPSIS Veitchii*, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

PEONIES

Best Cut Flower varieties grown.

First Prize White	\$15.00 per 100
" " Pink	9.00 per 100
" " Red	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

**For Reliable Stock
From Reliable Dealers**

Keep Tab on Advs. in THE FLORIST.

NEW BERRY, HIMALAYA GIANT
Berry Catalogue free with Colored plates.
Berrydale Experiment Gardens, Holland, Mich.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., **JERSEY CITY, N. J.**

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

**OAKS and MAPLES
Pines and Hemlocks**

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, **PHILA., PA.**

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.
Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

New Orleans.

For the last six weeks this section of the country has been "patria nimborum" for a certainty. Every day it has rained heavily until it seemed scarcely possible for the skies to weep more. The entire south has had practically the same watery conditions and considerable damage has been done to outdoor crops, especially asters and chrysanthemums where the natural drainage is deficient. While the aster plants are fine the flowers are lacking in substance owing to the absence of sun. Roses from the open are rather a minus quantity but tuberoses are plentiful and nice. A few bright days would restore things to normal, but the weather shows little sign of settling. The stores are doing very little business, cheap funeral work constituting the bulk of it.

NOTES.

The twenty-fifth annual meeting of the Horticultural Society was held at Gundolf's pavilion at West End July 21 with over 40 members present. The treasurer's financial statement was read and showed a very satisfactory state of affairs. The election of officers for the ensuing year was the big card of the evening. Richard Eichling and R. E. Simon were unanimously elected for president and vice president respectively. Both are hard workers and the interests of the society could not be in better hands. For secretary and treasurer C. R. Panter and John Eblen were re-elected by acclamation. H. Papworth brought before the meeting the desirability of inviting the S. A. F. to hold its convention in this city during the Panama exposition in 1915. It was unanimously agreed to invite the society here at that time and Mr. Papworth was deputed to properly present the invitation at the convention in Rochester. The meeting then adjourned to the banquet room where an elaborate menu was served and thoroughly enjoyed. Toastmaster Panter, who has few equals in this line, was in his happiest vein and was a regular Father O'Flynn the whole evening, "checking the crazy ones waxing on—aisy ones lifting the lazy ones on wld the stick." Pres. Eichling on being introduced made a forceful and thoughtful speech briefly outlining his policy for the ensuing year, asking the earnest support and attendance at all the monthly meetings, endorsing this city as the "logical point" for the Panama exposition and hoping for the acceptance by the S. A. F. of the invitation to hold the convention here then. He was given a rousing reception at its conclusion. Vice President Simon also made a short speech, pledging his best efforts. Ed. Baker, who was the first president of the society, was then called on and in a feeling speech presented to Mr. Eblen, who has held the position of treasurer since the society's inception, with a handsome umbrella to show their personal affection for him as well as their appreciation of his long and faithful service. Mr. Eblen was visibly surprised but managed to suitably express his thanks and gave some interesting reminiscences of the society's onward march. Ex-City Attorney J. F. C. Waldo made a witty and eloquent speech in speaking for the city and urged this society to its best efforts if it would land the Panama show for this city. The toastmaster here took up the subject of the exposition and handled it so skillfully that nearly \$1,000 was subscribed on the spot in addition to the large amount already pledged. H. Papworth, C. Eble, H. A. Despommier and Paul Abele, who each declined to be classed as "old" except in point of service, gave good advice to the younger members present showing how the future welfare of the society lay in their hands. P. A.

BODDINGTON'S QUALITY

Christmas Flowering Sweet Peas

For Immediate Delivery.

	Oz.	1 1/4 lb.	1 1/2 lb.	Lb.
Boddington's Snowbird, pure white.....	20c	75c	\$1.25	\$2.00
Boddington's Christmas Pink	10c	40c	.75	1.00
Boddington's Christmas White	15c	50c	.85	1.50
Mrs. E. Wild, carmine.....	15c	50c	.85	1.50
Mrs. Geo. Lewis, white waved.....	15c	50c	.85	1.50

New Crop of all other Winter Flowering Varieties
Ready in August.

ARTHUR T. BODDINGTON,
352 West 14th Street,
NEW YORK CITY.

Miscellaneous Plants

	Doz.	100		Each	Doz.
2 1/2 in. Boston, (Aug.).....	\$2 00	\$4 50	4 in. Araucaria Excelsa,		
4 in. ".....	3 00	15 00	2 3 tiers	50	\$ 6 00
5 in. ".....	3 00	25 00	6 in. Araucaria Glauca,		
2 1/2 in. Whitmanl,	2 00	5 00	3 4 tiers	1 75	
4 in. ".....	2 00	15 00	6 in. Araucaria Compacta,		
5 in. ".....	3 00	25 00	3 4 tiers	1 75	
2 in. Asparagus Plu Nanus,...	1 00	3 00			
3 in. ".....	1 50	7 00			
4 in. ".....	1 50	7 00	Kentia Forsteriana, single		
2 in. Asparagus Sprenger,...	1 00	2 50	plants, 7 in. 6 to 7 leaves. 34		
3 in. ".....	1 25	6 00	to 36 in		\$ 3 50
4 in. ".....	1 25	10 00	Same made-up, 3 plants to pot		
2 in. Asstd. Ferns, dishes (Aug)	1 00	3 00	32 to 34 in		3 00
2 in. Cyclamen,	1 00	3 50	Same made-up, 3 plants to pot		
3 in. ".....	1 00	7 00	36 to 40 in		4 00
4 in. ".....	2 00	15 00			
2 in. Chinese Primrose,	2 00	3 00	Kentia Belmoreana		
3 in. Obconica Primrose,	2 00	7 00	7 in. pot, 6-7 leaves. 34-36 in....		4 00
2 in. Celestial Peppers,	2 00	3 00	7 in. pot, 6-7 leaves. 28-30 in ...		3 00
2 in. Jerusalem Cherries,	2 00	3 00	6 in. pot, 5-6 leaves. 26-28 in....		1 75
2 in. Poinsettias, (1000 \$45.00)	2 00	5 00	4 in. pot..... per 100	\$35.00	35
2 in. Smilax,	2 00	3 00	2 1/2 in. pot..... per 100	10.00	
2 1/2 in. Cocos Weddellana	2 00	15 00			
3 in. Pandanus Veitchii,	3 50				

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

Asparagus Primroses

	Per 1000	Per 100		Per 1000	Per 100
Plumosus, 2 1/4 in. pots	\$15 00	\$ 2 00	Kewensis, Yellow.....		2 00
Sprenger, 2 1/4 in. pots.....	\$15 00	2 00	Chinese and Forbesl.....		\$ 2 00
Pansy Seed, new crop		Per oz.	Obconica Alba and Rosea		2 00
Giant Flowering.....		\$ 4 00	Obconica Gigantea.....	\$25 00	3 00
Smilax, 2 1/4 in. pots	\$1 00	per 100			

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

Chopin on the subject of "The Ladies" was naturally eloquent. Neat little compliments fell gracefully from his lips and pity it was so few of the fair sex were within hearing. H. Dressell returned thanks for the appreciation shown for his skill in rose growing and hoped to show something better in the future. Mr. Pfaff spoke for the honorary members, R. Lockerie for the trade papers and Mr. Taylor and Mr. Drum for the visitors. A vote of thanks to the hostess proposed by Dr. Jos. Stickland brought

the best annual meeting ever held by the society to a close.

B. M. Wichers of Gretna has gone into the raising of turtles as a side line and has thousands of eggs hatching.

C. W. Eichling is preparing to spend a few weeks in the mountains of North Carolina.

The Metairie Ridge Nursery Co. is cutting nice Kaiserin and Rhea Reid roses.

Otto Abele is on his way to Germany to visit his invalid mother. X.

Aster Plants

Simple's Branching and Queen of the Market
fine plants of the best strains. \$1.75 per 1000;
5000 for \$7.50.

Cabbage, Celery, Peppers, Sweet Potatoes, Tomatoes,

Brussels Sprouts and Celeriac.

Fine plants from the field. \$1.00 per 1000; 5000 for
\$4.00; 10,000 for \$7.50; all the best varieties.

J. C. SCHMIDT,

Bristol, Pa.

Miscellaneous Plants

We have the grandest lot of Boston and Whit-
mani Ferns in 2½ to 10-in. pots. Extra fine Plu-
mosus, 2½, 3, 4, and 5-in.; Sprengeri, 2½, 3, and
4-in.; Cyclamen, 2½ and 3 in.; Celestial Peppers,
2½ in.; Jerusalem Cherries, 2½ and 3 in.;
Chrysanthemums, Col. Appleton Cash J. K.
Shaw, Ivory and others. Write us for prices on
anything you may need.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

Albany, N. Y.

F. A. Danker has ordered a new
ice box (McCray) 7 feet, 6 inches by
14 feet to be installed in the rear of
his store about the end of August.
The box will be provided with plate
glass front, white enameled interior
with plate glass shelves, permanent
drainage equipment and other features
down to the minute. The improvement
will do away entirely with the pres-
ent office which will be removed to a
part which has been added to the
store, giving it now two street num-
bers, 40 and 42 Maiden lane. The
present salesroom will also be remod-
eled, making it a handsome place. Mr.
Danker's time is taken up largely
these days looking after the building
of a new residence which he has in
course of construction on the old
Danker homestead on Central avenue
not far from his greenhouses. He ex-
pects to be able to move into the
house late in the fall, although much
work remains yet to be done. Mr.
Danker is planning a trip for black
bass to North Hero, Lake Champlain,
with his brother-in-law and some
friends in August and will also attend
the annual convention of the S. A. F.
in Rochester with Fred Henkes and
E. P. Tracey.

John J. Berberick on Second avenue
is not saying much these days but is
quietly sawing wood. John lives
among the German element with
whom he is very popular and in the
years that he has been on the street
by careful attention to the wants of
his customers he has worked up an ex-
cellent business. As an evidence of
prosperity he is about to install a large
hot water heater which will heat both
the greenhouses adjacent to the store
and his dwelling in the winter. He
thinks also that he will do some re-
modeling to the large show window
which he installed last summer by re-
moving a door which has not proved
to be needed and substituting in its
place a sheet of plate glass the full
width and length of the window.

John G. Zimmerman of Watervliet is
rebuilding a house 20x200 feet.

R. D.

Worcester, Mass.

Business has been dull the past two
weeks. Nothing doing except an occa-
sional funeral order. The supply of
cut flowers is not anywhere near up to
the standard; roses are off crop and
carnations are gone by. Outdoor stock,
with the exception of sweet peas that
can be watered, is a sorry sight. With
no rain for five weeks everything is
about burnt up. Carnations are stand-
ing the drought fairly well but asters
are suffering badly as well as other
annuals. Shrubs, bedding plants,
lawns, vegetables, etc., are in a bad

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you
hear of **GODFREY ASCHMANN**, the great **Araucaria** Importer,
Grower and Shipper? These so well favored, everlasting green
decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and
Excelsa Glauca, are in favor more than ever this year.



This is our 25th anni-
versary since we began
importing Araucarias.
Watch! See us grow!
Beginning 25 years ago
with 100, our this year's
(1910) importation is
10,000, and
more are coming this
fall after I have made
my selection of the
choicest of the choice
on my trip to Belgium;
the growing district of
the world in Arauca-
rias and Azaleas. The
trade is well informed
that for many years
past I go personally to
Belgium to protect and select for my custom-
ers the best of **Araucarias**, **Azaleas**, **Palms**,
etc., that cash can buy there. Empty houses
won't pay. Now is the time to fill your empty
houses with something to grow into money while
you are asleep.

Remember, it is the wideawake man that is
not afraid to invest a dollar that makes the money.

Please look at our special low prices for
superior stock.

Araucaria Excelsa, raised from top cuttings, no
seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-
25-30 in. high. 3-4 5-6 tiers. 2-3-4-5 years old, 35c,
50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

SPECIALTIES.

Roses, from 3-in. pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,
New York.

Brides and Maids

2½-in. \$2.50, 100; \$25.00, 1000.

Numerous other good sorts in prime stock

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

way and if rain does not come soon
florists and market gardeners will suf-
fer quite a loss.

The attendance at the weekly exhi-
bition of the Worcester Co. Horticul-
tural Society in Horticultural Hall,
July 14, was the largest of the season.
In spite of the extremely dry
weather for the past five weeks there
were some very good exhibits in some
classes while others had but one en-
try. Cut flowers were fairly good,
petunias were good and Mrs. G. W.
Knowlton had an excellent showing of
Japanese iris. The fruit and vegetable
exhibits were excellent. The awards
follow:

Cut flowers.—Allene W. Hixon, first; Mrs.
Percy G. Forbes, second; Mrs. Edward Warren,
third.

Basket.—Mrs. Percy G. Forbes, first; Mabel
Curtis, second; Mrs. Edward Warren, third;
Miss Lucy Coulson, fourth.

Petunia.—Leonard C. Midgley, first.

Allene W. Hixon, second; Mrs. Percy G.
Forbes, third; Mrs. Wesley Ward, fourth.

Japanese Iris.—W. Knowlton, first.
Hydrangea.—Mrs. Percy G. Forbes, first; Mrs.
A. E. Underwood, second; Allene W. Hixon,
third.

EVANSVILLE, IND.—The Blackman Flor-
al Co. has increased its capital stock
from \$5,000 to \$10,000.

Robusta Compacta, Excelsa Glauca 6-in. pots,
\$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape, 6-in. pots
30-35-40-45 in. high. 4-5-6 years old. 75c, \$1.00
\$1.25, \$1.50, \$2.00 to \$2.50 each; 4 in., 35c each
25 in. high.

Kentia Belmoreana, 25 3½-35-4½ in. high. 5-5½-6-7
in. pots. 5-6-7 years old. 50c, 75c, \$1.00, \$1.25,
\$1.50 to \$2.00 each; 4 in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Standard Bay Trees, 1-foot tubs, 7 ft. high from
bottom up. 2 x 2 crown. \$8.00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Nephrolepis (Ferns), Boston, Scottii, Whitmani.
Scholzei 4 in., 25c; 5, 5½ and 6 in., 35c, 40c
and 50c.

Ferns for Dishes, big assortment, 2½-in. pots, at
\$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.
Begonia Lonsdale, pale pink, 4-in., only 25c.

Sago Palms, ready July 15. 6-7-8 in. pots, from 5 to
20 leaves. 10c per leaf.

Cocos Weddelliana, 3 in. pots. 18c to 20c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in
bloom, 15c.

We have an unsurpassed strain of **Solanum**
Multiflorum (Jerusalem Cherries). Can offer only
a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

Field-Grown Carnations...

10,000 White Enchantress, 10,000 White
Perfection, 8,000 R. P. Enchantress,
7,000 Enchantress, 4,000 Victory, 12,000
Winona, 5,000 Lawson Enchantress,
2,500 Winsor, 300 Beacon, \$6.00 per 100;
\$50.00 per 1000; 250 at 1000 rates. Cash.
Limestone land; no stem rot.

W. Fargo, U. S. and American Express.

W. SABRANSKY, Kenton, Ohio

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine..... 15c

All plants in 4-in. pots.
Also 10 secondhand 4-in hot water valves at \$2.50
each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

Whitmani Ferns

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.

SOUTHAMPTON, N. Y.—The annual ex-
hibition of the Horticultural Society,
held in a large tent on the Art Mu-
seum grounds, was a big success and
attracted a large number of the mem-
bers of the summer colony.

Vaughan's Giant Pansies

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ¼ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c, ¼ oz., \$1.00.

VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c; ¼ oz., 75c; ½ oz., \$2.50; oz., \$5.00.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., \$1.00.

VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ¼ oz., \$1.50; ½ oz., \$5.00; oz., \$10.00.

VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ¼ oz., \$1.00; ½ oz., \$2.00; oz., \$8.00.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK.

Seasonable Stock

	Per 100	Per 1000
Christmas Peppers, 2¼ in.	\$2 50	
Chinese Primroses, very best English and French strains, 2½ in.	3 00	\$25 00
Poinsettias, fine stock, 2½ in.	5 00	45 00
Ferns for Dishes, assorted varieties, 2¼ in. pots.	3 50	30 00

Cash with order.

We extend a cordial invitation to members of the trade who visit Chicago to call and see us. We try to have things attractive and interesting at all times.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO.

Indianapolis.

It has been long since flowers were as scarce here as they have been the past week. The funeral of a prominent business man occasioned a general cleaning up among all the wholesalers and retailers of the city and some of the growers scattered over the state as well. The flowers at this funeral represented an expenditure of almost \$1,000. Just a few days prior to the death of H. P. Wasson came the demise of a Mrs. Stalnaker, and, then also, flowers were in great demand.

Ed Bertermann is now on his vacation. He and his wife are taking a lake trip which will end at Chicago, where Bertermann will officiate as the "giver-away" at the wedding of his niece, Miss Atkinson.

A. J. Pittet is having some difficulty in securing extra help to work in the

Smilax, Sprengeri,

Smilax at \$10.00 per 1000, ready August 1.

Sprengeri at \$15.00 per 1000.

Let me send you a sample.

ALBERT M. HERR,

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

greenhouses and as a consequence he is getting a little behind.

John Rleman paid a visit to his brother in Mooresville one day last week.

L. F. Benson finally has the posts up for his greenhouse in his back yard. Baur & Smith are now out of carnations and are emptying their benches.

S. T. Hitz spent the first part of this week in Franklin, visiting his brother.

A. W. B.

Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

Lancaster, Pa.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASH,
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Mention the American Florist when writing

Dreer's Special Offer of Fine Ferns



Nephrolepis Scholzei.

Mixed Ferns for Dishes.

We have at all time a good supply of these in good assortment
2½-in. pots. \$3.50 per 100; \$30.00 per 1000.

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

Toronto.

SUMMER QUIET.

The usual summer quietness prevails; trade consisting of some funeral work and a few minor weddings. But if business is bad stock is worse, especially in the rose and carnation line. A few good Kaiserin roses are coming in but Bride and Bridesmaid are generally thrips eaten and covered with mildew and the flowers are small. Of carnations the less said the better. Longiflorum lilies, valley, centaurea, orchids and excellent sweet peas are about the only good stock at present; a few asters are being cut indoors but the flowers are small.

NOTES.

H. E. Philpott of Winnipeg is a visitor, having come via Chicago. As he is president of the C. H. A. he is here working hard for the coming convention and is trying to make it the banner convention; his enthusiasm will, no doubt, bring a large number of exhibits and a large attendance. All those who have made up their minds as to what they want regarding the question of tariff should drop a line to Secretary Hall of Montreal, and then attend the convention and fight it out. That there will be a difference of opinion is quite evident here as the majority wants the duty removed on plants, bulbs, cut flowers and even supplies. In the latter case the majority is of German origin and is purchased by us of the American supply houses. It can be easily figured out that we are paying considerable more than 100 per cent of the original value and that in our case, at least, it is not the public which pays the duty but the florists themselves.

Much of the stock is used in window and store decoration, at weddings, etc., and is never sold, so that if the article cost less the florist would be that much in, that is our opinion. Tell us yours at the C. H. A. convention.

The Horticultural Society held a show in Allan Gardens which was a great success and as the public was admitted free, the attendance was so large as to cause pangs of envy to those interested in the big chrysanthemum show. As the prizes to be awarded were for amateurs it would be interesting to some of our athletic associations to know where some of the staid and stately exhibitors received their status to qualify.

The Trethewey model farm will open a store on Yonge street, which will be used more as a show room to display the products of the firm. How this will apply to the flower section will be watched with interest.

Wm. Fendley, Brampton, is making a tour of western Canada, taking a carload of show horses with which he expects to clear up a few prizes. This is no new venture for Fendley, for it would take a hustling David Harum to beat him on a horse deal.

A. E. Moore, who has been on the sick list, is again back in harness. He lost 30 pounds at the rate of one pound a day.

H. G. D.

SPRINGFIELD, Mo.—The annual election of officers of the Pioneer Floral Co. was held July 18, the old officers being re-elected as follows: W. D. Murray, president; L. H. Murray, vice-president; R. R. Ricketts, secretary.

Nephrolepis Scholzei (Crested Scott Fern.)

A sport from Scottii, possessing all the merits of that most popular variety but with the pinnae sub-divided giving it a neat crested appearance. 2½ in. pots. \$1.25 per doz.; \$8.00 per 100; \$75.00 per 1000.

Nephrolepis Whitmanii.

(The Improved Ostrich Plume Fern.)

3-inch pots \$1.25 per dozen; \$8.00 per 100;

Adiantum Croweanum.

We are the sole distributors of Mr. Crowe's stock of this valuable fern.

This is not only the best and most profitable Maiden hair to grow for cutting but it is also the best variety to recommend to the retail buyers for house culture, it standing the dry atmosphere of the room better than any variety we have yet tried.

Strong 3-in. pots \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

Asplenium Nidus Avis (The Bird Nest Fern.)

A nice thrifty lot in 3-in. pots, 30c each; \$3.00 per doz. 4-in. pots, 40c each; \$4.00 per doz.; 6-in. \$1.00 each.

Nephrolepis Glatrasii.

This variety, introduced last fall in a very limited way, has proven to be a gem—especially where a perfect specimen is required in a small size. It will develop beautifully in a three, four or five inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and, it is also fine for fern dish work when grown in 2½-in. pots. \$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

Ferns in Flats.

These flats contain about 200 plants each, only one variety being in a flat. We cannot supply less than a full flat of any one sort. Price \$2.00 per flat. Ready now.

Adiantum cuneatum.
Aspidium Tsussimense.
Aspidium Tsussimense cristata.
Cyrtomium falcatum.
Cyrtomium Fortunei.
Lastrea Chrysoloba.
Lastrea Aristata variegata.

Pteris adiantoides.
Pteris cretica magnifica.
Pteris cretica Wimsetti multiceps.
Pteris Wilsoni.
Pteris Ouwardi.
Lomaria ciliata.

Extra Fine Rose Stock

	Per 100	Per 1000
1000 3½-in. Cardinal	\$10.00	\$90.00
600 3½-in. Perle	7.50	70.00
2500 2½-in. Richmond	5.00	45.00
1000 2½-in. Kaiserin	3.00	25.00

CHRYSANTHEMUMS

Only the following varieties on hand:
Oct. Frost, Halliday, Roosevelt. Per 100 Per 1000
Christmas, Eaton, Schrimpton. \$2.50 \$20.00
Pompons—Briola, Klondike, Baby.

Garza, Zenobia, Diana. 2.50 20.00

Smitax, 3-in. \$40.00 per 1000

Sprenger, 2-in., ready for shift. 25.00 per 1000

Pochlmann Bros. Co., Morton Grove, Ill.

Wooster, O.

A voluntary petition in bankruptcy was filed, July 14, at Cleveland for F. H. De Witt & Co., florists, and Frank H. De Witt personally. The liabilities are estimated at \$10,000 and the assets at \$7,000. The firm is an old established one and although there were rumors of financial difficulties the bankruptcy proceedings came as a surprise as everyone thought Mr. De Witt was making money. A year ago the firm moved from its old location in Bever and Bowman streets to the present one on College avenue. The assets include the real estate and the greenhouse stock and \$6,000 of the liabilities are secured by mortgage. The matter is referred to W. F. Keen, referee in bankruptcy, and a trustee will be appointed.

EUGENE, ORE—W. O. Heckart is building a conservatory 40x130 feet for the Misses Ida and Harriet Patterson.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Passiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100;

Chrysanthemums, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

Salvia, Bonfire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Lake Forest (Ill.) Sweet Pea Show.

The sweet pea exhibition given by the Horticultural Society of Lake Forest, July 23, was a decided success. The flowers exhibited were very good in quality considering the hot weather. One of the largest exhibits was that of A. M. Day, and great credit is due to J. L. Urdahl, his gardener. He exhibited 42 varieties of perennials and 67 of annuals, properly named with scientific and common names. A certificate of merit and first prize was given for this perfect collection.

Cyrus H. McCormick, E. O. Orpet, superintendent, was another exhibitor that deserves credit for his large collection of perennials and annuals which was artistically arranged on the stage. First and second prize was his reward. Frank Farwell, Sidney Beleb, gardener, had a fine collection of annual flowers. His were the most perfect to be seen among the exhibits. First prize was given this collection.

Ernest Hamill, Chris. Peterson, gardener, had a good collection of sweet peas artistically arranged. One novelty exhibited by Mr. Hamill, Sutton's Fairy Queen sweet pea, was one of the finest of its kind. It is of recent introduction and it alone was worth coming to the show to see. One of the best and largest collections of sweet peas was exhibited by D. H. Hanson of Prairie View, Max Zschan, gardener. First prize was given this splendid collection of 23 varieties and 13 varieties of novelties of recent introduction.

Mrs. D. M. Cumming's exhibit of sweet peas is worthy of special mention for its exquisite color in flowers and arrangement. Second prize was given this collection. Mrs. James Heyworth's (J. Peterson, gardener), exhibits of sweet peas entered in three classes, had the honor of receiving the most first prizes. Mrs. E. Russell's collection of sweet peas was fine and especially the new sweet pea, E. J. Deal. A prize for this flower offered by Vaughan's Seed Store, was awarded to Mrs. Russell. The first sweet corn of the season grown in Lake Forest was shown by Mrs. Russell, showing her ability as vegetable gardener as well as florist.

Other exhibitors were B. A. Eckhart, collection of perennials, Miss H. Underwood, collection of annuals and vase of flowers, and John Farwell, Jr. It is very much regretted that this exhibit given free to the public was not patronized as it should have been. Great credit should be given those gardeners that arranged the show.

TENAFLY, N. J.—G. W. Lounsbury and wife have just returned from a two months' trip through California and Colorado.

VAUGHAN'S Winter Flowering SWEET PEAS

New Seed Ready in August.

White Seeded Sweet Peas. Put seed in water over night, then put in box or flat and in a temperature of 60 degrees. Seed will germinate in two days and then can be sown.

	oz.	lb.		oz.	lb.
Angellino, Self pink.....	\$0 20	\$1 50	Mrs. Alexander Wallace, Lavender.....	15	1 00
Christmas Pink, Pink and white.....	10	1 00	Mrs. W. W. Smalley, A pleasing satin pink.,	20	1 50
Christmas White,.....	10	1 00	Mrs. Geo. Lewis, Pure white.....	25	2 50
Earliest of All, Pink and white.....	10	85	Mrs. William Sim, Salmon pink.....	20	1 50
Mont Blanc, White.....	10	60			

If sweet peas are wanted for Christmas, sow the seed in well-ventilated houses, not before August 15, nor after August 25. This sowing will bloom from November 1 until April. For the main crop in January or February, sow about September 15. If the best sweet pea flowers are wanted for Easter (April 16 in 1911), sow the first part of November.

Vaughan's Seed Store,
Chicago. New York.

California Reliable Bulb Company



LEEDHAM'S HOME-GROWN BULBS are better and cheaper than imported stock.

When you order our bulbs, you get just what you order of strong, vigorous and healthy bulbs.

NOTE THESE PRICES:

Per 1000	Per 1000
Stella.....\$ 2.00	Double Von Sion...\$10.00
Figaro..... 2 00	Sir Watkin..... 10.00
Cynosure..... 2.00	Emperor..... 12.00
Princeps..... 10.00	Paper White..... 8.00
Empress..... 10.00	Grand Monarque... 2.00

Order now or send for complete wholesale price list.

THE LEEDHAM BULB CO., Santa Cruz, California.

Primula Obconica

Gigantea, Grandiflora and Rosea Varieties.

2-in., ready about August 1st to 15th, \$2.00 per 100. Cash with order.

Chinese Primroses

Mixed, ready about Aug. 1st to 15th, \$2.00 per 100. Cash with order.

ASPARAGUS SPRENGERI

Strong 2-in., \$1.50 per 100. Cash with order.

WOOLSEY,

The Florist,

ROCKFORD, ILL.

Cleveland.

STOCK SCARCE.

From an abundance of stock to almost a scarcity is the way it now stands. Up to a week ago stock seemed quite plentiful, but the past week was just the reverse, with the exception of sweet peas, which still come in quantity, although mostly short in the stem. Asters are coming in but slowly, every grower praying for rain to help him save the crop. Roses of all kinds, but mostly short stem, and small flowers are just about equal to the demand. A few gladioli are arriving daily. Easter lilies meet with a fair demand. Candidum lilies are about done. Japanese lilies in pink and white are on the market, the demand fair.

Chrysanthemum Plants

From 2½-In. Pots.

WHITE	Per 100	1000
Oct. Frost.....	\$2 00	\$15 00
White Cloud.....	2 00	15 00
Kalb.....	2 00	15 00
YELLOW		
Monrovia.....	2 00	15 00
Oct. Sunshine.....	2 00	15 00
Appleton.....	2 00	15 00
Halliday.....	2 00	15 00

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

NOTES.

Miss Jessie Nichols, bookkeeper for Kirchner's, is spending her vacation at Silver Lake, camping for two weeks.

A. M. Coe, North Olmstead, reports it is so dry there that they are unable to water the carnations in the houses, and everything in the fields is suffering for want of water. C. E.

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We have in the past largely used the flat rafter type of iron frame house, but adopted the King Type on its merits and not on the question of price, though quotations we received for the flat iron rafter houses were 40% higher than yours.

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W. J. PALMER & SON.

Send for Bulletin No. 35, which describes the King Iron Frame Construction.

KING CONSTRUCTION CO.,

North Tonawanda, N. Y.

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That by the installation of a good tilting steam trap you would effect a saving in fuel sufficient to pay for the trap in from three to six months.

That you would increase the efficiency of your steam lines by draining them of all condensation.

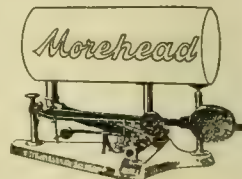
That this pure hot condensation could be returned to the boilers as feed water by means of this trap without the assistance of pump or injector.

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Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprenger, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus Plumosus Nanus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000. Asparagus Sprenger, strong, \$2.50 per 100; \$22.50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Sprenger, 2½-in., \$3 per 100; extra strong for benching. Wettlin Floral Co., Hornell, N. Y.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2-in., \$2.50 per 100. Sprenger, 2½-in., \$3 per 100; extra strong for benching. Wettlin Floral Co., Hornell, N. Y.

ASPARAGUS SPRENGER1, extra heavy, 3½-in., \$4 per 100. Wagner Park Conservatories, Sidney, Ohio.

Asparagus Sprenger, 2½-in., \$2 per 100; Plumosus, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 3-in., \$4 per 100. E. G. Hill Co., Richmond, Ind.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprenger, 2-in., \$1.50 per 100. Woolsey, Florist, Rockford, Ill.

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Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, \$1.75 per 1,000; 5,000, \$7.50. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees, standard, 7 ft., \$8 per pair. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Gloire de Lorraine, extra fine strong plants, 2½-in., \$15 per 100; \$140 per 1,000; 3-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

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Begonia, Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Box trees, all sizes. Ask for special list. Julius Koehrs Co., Rutherford, N. J.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, Narcissus per 1,000: Stella, \$2; Figaro, \$2; Cynosure, \$2; Princess, \$10; Empress, \$10; Dbl. Von Sion, \$10; Sir Watkin, \$10; Emperor, \$12; Paper White, \$8; Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Lilium Harrisii, 6-7, 350 to case, \$17.50 per case; \$6 per 100; 7-9, 200 to case, \$18 per case; \$10 per 100; 9-11, 100 to case, \$20 per case; \$25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Lilium Harrisii, 5-7, \$40 per 1,000; 6-7, \$60; 7-9, \$85. French freesias, ¼ to ¾-in., \$9 per 1,000; ¾ to 1½-in., \$6.50. Vaughan's Seed Store, Chicago and New York.

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Cannas, Richard Wallace, J. D. Eisele, 4-in., \$7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cannas, fall or winter delivery. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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FIELD-GROWN CARNATION PLANTS. Ready about August 15.

	Per 100.	Per 1,000.
4,000 Beacon	\$7.00	\$60.00
4,000 White Enchantress	7.00	60.00
5,000 Enchantress	6.00	50.00
6,000 White Perfection	6.00	50.00
4,000 Rose Pink Enchantress	6.00	50.00
2,000 Victory	6.00	50.00
2,000 Lady Bountiful	6.00	50.00
2,000 Lawson-Enchantress	6.00	50.00

These plants are strong and healthy, and by the 10th or middle of August will be in EXCELLENT condition for benching. All orders will be filled strictly in rotation and will give satisfaction.

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Carnations, fine, strong, healthy and clean field-grown plants ready for immediate shipment: 5,000 Winsor, 2,000 White Enchantress, 3,500 R. P. Enchantress, 4,000 L. P. Enchantress, 4,500 Beacon. Write for prices. D. G. Grillbortzer, Alexandria, Va.

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Carnations, Lawson, 4-in., \$6 per 100; \$55 per 1,000. M. Richmond, Erdman Ave., Baltimore, Md.

Carnation Alvina, 10-20 shoots, \$10 per 100; 5-10 shoots, \$7.50; Henry Eichholz, Waynesboro, Pa.

Carnations, field-grown, August 1, Apple Blossom, Wanoka, \$6 per 100; \$50 per 1,000. Wanoka Greenhouse, Barneveld, N. Y.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. F. Dörner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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CHRYSANTHEMUMS.

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White.	Per 100	Yellow.	Per 100
Oct. Frost	\$2.00	R. Halliday	\$2.00
W. Ivory	2.00	Y. Bonaffon	2.00
W. Bonaffon	2.00	G. Beauty	2.00
Snow Queen	2.00	Pink	
Yellow.		Pink Ivory	2.00
Golden Glow	2.00	Red.	
Monrovia	2.00	Black Hawk	2.00

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	Per 100	Souv. de Scandelaus	Per 100
Snow Queen	2.50		2.50
Early Snow	2.50	Black Hawk	2.50
R. Halliday	2.50		

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White.	Per 100	Yellow.	Per 100
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White Ivory	2.00	Pink	
W. Bonaffon	2.00	Pink Ivory	2.00
Yanoma	2.00	Red.	
Yellow.		Black Hawk	2.00
Golden Glow	2.00	Intensity	2.00
Monrovia	2.00		

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Baby Margaret	\$2.50	K. Cowill	\$2.50
Baby	2.50	Mrs. E. Roberts	2.50
Klondike	2.50	Pilloria	2.50
Quinola	2.50	Earlwood Beauty	2.50
Lulu	2.50	Irene Cozy	2.50
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Chrysanthemums, Oct. Frost, Halliday, Roosevelt, Christmas, Eaton, Schrimpton, \$2.50 per 100; \$20 per 1,000. Pompoms: Briola, Klondike, Baby, Garza, Zenobia, Diana, \$2.50 per 100; \$20 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, 2½-in.: Oct. Frost, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Halliday, \$2 per 100; \$15 per 1,000. Y. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. We have 75 varieties, including singles and pompoms, \$15 per 1,000. "Enough Sed." Ebman's, Corfu, N. Y.

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Chrysanthemums, White Cloud, P. Supreme. G. Glow, Ivory, Bailey, Klondike, Lulu, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen persicum giganteum from 4-in. pots, stocky; plenty of leaves and well set to buds. Must be sold quick or shifted. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, 3-in., \$7 per 100; 4-in., \$15. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per 100. A. M. Herr, Lancaster, Pa.

DAHLIAS,

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undeveloped roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, field clumps, \$6 per 100; \$45 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; also fine plants from 2-in. pots, \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 2½-in., \$1.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Elegantissima, improved, 6-in., 50c; Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantissima Compacta, 4-in., 25c; 6-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-in., pans, \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Scottii, Whitman, Scholzell, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c, 50c. Ferns for dishes, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston and Pierson, 3-in., 8c. Whitman and Elegantissima, 2½-in., 5c. Mosback Greenhouse Co., Onarga, Ill.

Ferns, Whitman, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Neph. Magnifica, 2½-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

GERANIUMS.

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Geraniums, strong, 2-in. stock, Heteranthe. Nutt, Jean Vlaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vlaud, Castellane, Poitevine, Jaulin, Richard, Buchner, R. C. \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sailerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 3-in., \$3 per 100; \$25 per 1,000. For next season, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

SPECIAL OFFER, 15,000 Jean Vlaud, from 2½-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Rose geraniums, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottons & Co., 33 W. 28th St., New York.

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Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

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Heliotrope, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

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Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

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Lilacs. Jacs Smits, Ltd., Naarden, Holland.

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To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

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Lily of the Valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

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Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

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Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

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Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

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Orchids. Chas. H. Totty, Madison, N. J.

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Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Fors., 7-in., 34-36 ins., \$3.50 each; made up, 32 to 34 ins., \$3 each; 36 to 40 ins., \$4. Kentia Bel., 7 in., 34-36 ins., \$4 each; 7-in., 28-30 ins., \$3; 6-in., 26-28 ins., \$1.75; 4-in., 35c each; \$35 per 100; 2½-in., \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms, Kentia Fors., 6-in., 30 to 45 ins., 75c to \$2.50 each. Kentia Bel., 25 to 40 ins., 5 to 7 in., 50c to \$2 each; 2½ to 3-in., 10c. Sago, 6 to 8-in., 10c per leaf. Cocos Wedd., 3-in., 18c to 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Palms. John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

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Poinsettias, 2-in., \$5 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

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Primroses, Chinese, 2-in., \$2 per 100. Forbesi, 2-in., \$2. Byer Bros., Chambersburg, Pa.

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Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

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Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

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ROSE PLANTS, 2½-INCH POTS.		
	100	1,000
Kaiserlin	\$4	\$35
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Mrs. Jardine	4	35
Bridesmaid	3	25
American Beauty	6	45
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Roses, surplus Ivory and Maids from 2½-in. pots, \$2.50 per 100. Gates, 3-in., \$3. Wm. B. Sands & Sons Co., Lake Roland, Md.

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Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Veilchenblau, \$6 per 100; \$50 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

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Salvia Bonfire, 3-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Seeds, pansies of all kinds. Scranton Florist Supply Co., Scranton, Pa.

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Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

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Smilax, strong, 2½-in., \$1.75 per 100; \$15 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

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Smilax, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Smilax, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., \$1 per 100. Jos. H. Cunningham, Delaware, O.

Smilax, 2-in., \$2 per 100. E. G. Hill Co., Richmond, Ind.

Smilax. Wood Bros., Fishkill, N. Y.

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Spireas. J. Smits, Ltd., Naarden, Holland.

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Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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Late Cabbage Plants. All standard sorts, such as Premium Late, Flat Dutch, Autumn King or World Beater, Sure Head and Danis, Ball Head. I want you for one of my regular customers. Fifty per cent of my shipments this month have already brought second orders. In order to show you the quality I send out, look at my reduced introduction prices: 1,000 for 75c; 5,000 for \$3; 10,000 for \$5.50; 100,000 for \$50. Lettuce, Grand Rapids and Big Boston, per 1,000, \$1. Parsley, Double Curled, per 100, 25c; per 1,000, \$1.25. Every one a plant. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

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Ford, M. C., 121 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Gretsch & Ordonez Bros., 52 W. 28th St., New York.
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Hoerber Bros., 51 Wabash Ave., Chicago.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.
Hunt, E. H., 76 Wabash Ave., Chicago.
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Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
Kessler Bros., 450 6th Ave., New York.
Kruchten, John, 51 Wabash Ave., Chicago.
Kuehn, C. A., 1122 Pine St., St. Louis.
Kyle & Foerster, 51 Wabash Ave., Chicago.
Langjahr, A. H., 55 W. 28th St., New York.
McCallum Co., Inc., Pittsburg, Pa.
McCullough's Sons Co., 316 Walnut St., Cincinnati.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
Millang, Aug., 41 W. 28th St., New York.
Moore, Hentz & Nash, 55 W. 26th St., New York.
Munk Floral Co., Columbus, O.
Murphy, Wm., 11 Main St., Cincinnati, O.
N. Y. Cut Flower Exchange, Coogan Bldg., New York.
Niessen Co., The Leo, 1209 Arch St., Philadelphia.
Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 15 Diamond Square, Pittsburg, Pa.
Randall, A. L., Co., 19-21 Randolph St., Chicago.
Rice Bros., 115 N. 6th St., Minneapolis, Minn.
Robinson & Co., H. M., 15 Province St., Boston.
Sheridan, Walter F., 131 W. 28th St., New York.
Smith, P. J., 49 W. 28th St., New York.
Smith, Wm. C., 1316 Pine St., St. Louis.
Traendley & Schenck, 131 W. 28th St., New York.
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Zech & Mann, 51 Wabash Ave., Chicago.

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Bassett & Washburn, 78 Wabash Ave., Chicago.
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Elliott, W. H., Brighton, Mass.
Hill, E. G. Co., Richmond, Ind.
Reinberg, Geo., 51 Wabash Ave., Chicago.
Reinberg, Peter, 35 Randolph St., Chicago.
Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
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Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dayton, O.—Matthews, 16 W. 3rd St.
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Denver, Colo.—The Park Floral Co.
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Washington—Blackstone, 14th and H Sts.
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Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

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Coal, Brazil Indiana Block, \$2.65 per ton. Genuine Pocahontas, mine run, \$3.05 per ton. Golsen-Doan Coal Co., Old Colony Bldg., Chicago.

Coal, Berwind Smokeless, from Pocahontas and New River mines of Berwind-White Coal Mining Co., 1805 People's Gas Bldg., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit, ideal coals for florists. Eldridge Coal Company. Telephone Harrison 5788.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

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Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

New Imported Florists' Baskets, The Radelin Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

RAFFIA.

Raffia, bale lots. Vaughan's Seed Store, P. O. Drawer V, Chicago.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps. Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Trade Directory

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United States and Canada

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If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Attention Florists !!!

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confer by mail or telephone with

F. G. HARTWELL CO.

1855 Peoples Gas Building, CHICAGO.

**High Grade West Virginia, Kentucky, Ohio,
Indiana and Illinois Coal.**

TELEPHONE RANDOLPH 3856.

The Week's Steam Coal Developments.

Chicago.—Apropos of our outline of the steam coal situation of a week ago when our columns in this department presented conditions obtaining at the mines in Illinois, and in Indiana, West Virginia and in other coal producing territory east of the Illinois state line that looks for an outlet for its products to Chicago and territory tributary to Chicago through the Chicago gateway, it must now be added that the situation is considerably more strained than our report of last week would indicate.

While in previous years, under normal conditions, the Illinois mines were worked to capacity of their output during months of May, June, July and August, this year the shutdown was practically complete since the strike order of early spring went into effect, resulting in complete cleaning up of domestic coal in the coal yards of Chicago and adjacent points. To the layman this may appear of no moment, but to the florists, greenhouse and nurserymen it bears significance in that even if the Illinois coal mines do start producing coal sometime in August, which would bring into this market the first trainload of coal the latter part of August or fore part of September, the large coal yards will necessarily look to be protected, filling up their storage space as much as possible to meet the requirements made upon them during the coming fall, winter and spring.

Another factor to be considered are the carrier railroads. When they run short of fuel, as they surely will this season, they will confiscate coal in transit on their lines.

It must be borne in mind that all users of steam coal in this territory, whether manufacturers operating large plants, railroads, electric light or water works, apartment, flat or dwelling houses, during past four or five months were doled out their supply of steam coal in hand-to-mouth proportions.

To pile on more troubles for the steam coal trade reliable information from authoritative sources has reached us that in addition to the car shortage to be felt as soon as crops commence to move the further detrimental condition in the coal carrying phase is to be considered in the shape of broken down equipment of coal carriers. It

We Make a Specialty of Supplying the Florist Trade

Miners and shippers of the following grade of coal:

**Sunshine,
Indiana Brazil Block,
Pocahontas,**

**West Virginia Splint,
Youghiogheny and
Southern Illinois.**

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co.,

355 Dearborn Street,
CHICAGO.

is pointed out that the railroads did not make any attempt during past half year to bring their equipment to maximum repair point on account of scarcity of labor.

There is also to be considered in this summary the fact that freight rates have been advanced appreciably; also that coal miners this season, under the new scale now in course of being adopted, will receive something in the neighborhood of 10 cents more per ton this year than under previous agreements.

In view of the above conditions obtaining this season, the coal mine owners, operators, coal handlers and coal dealers are a unit in predicting that steam coal will bring higher figures this season than any period heretofore. This will be applicable to all kinds of coal entering this market.

Under date of July 24 press dispatches from Indianapolis, Ind., stated that after a week's deliberations the international executive board of the united mine workers of America decided upon the following compromise of the present coal strike which, it was believed, would be acceptable to

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NEW RIVER COAL CO.'S STANDARD SMOKELESS COALS

U. S. Government Analysis:

Navy Department, February, 1910,
ANALYSIS

Fixed Carbon.....	79.50
Vol. Matter.....	17.48
Moisture.....	0.50
Ash.....	2.52
	100.00
Sulphur.....	0.67
B. T. U.....	150.15

We are prepared to accept and properly fill your order for one car or one hundred thousand tons.

ORDER NOW

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1030 McCormick Bldg., CHICAGO
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Black Gem Coal & Coke Co.

Old Colony Building, CHICAGO.

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Long Distance Phone Harrison 962.

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All pure Coal. Intense Heat. White Ash. No Clinkers. No Smoke.
Four mines in Indiana.

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Berwind Smokeless

COAL

From Pocahontas and New River Mines of

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the Illinois operators and which, in due course, would be submitted to the referendum vote of Illinois miners:

1. That the mining rates in Illinois be advanced 3 cents a ton, mine run. That day labor, yardage, and dead work be advanced 5.55 per cent.

2. That the wages of the shot firers be paid by the operators at a rate not to exceed 1½ cents a ton produced at the mines where shot firers are employed. The shot firers shall be under the control and direction of the mine manager, both as to inspection and the shooting of shots. To enforce this provision a clause shall be written in the contract providing that when the miners in any mine interfere with the duties of the shot firers the miners in that mine shall be required to pay the wages of the shot firers during the unexpired portion of the contract.

3. That the mining rate in Williamson and Franklin counties be advanced 2 cents a ton above the regular advance.

4. That an agreement be made for the engineers, firemen, and pumpers as members of the united mine workers.

5. That the Illinois operators attend an interstate joint convention previous to the expiration of the present contract period.

6. That the clause be agreed to for the continuation of work pending negotiations at the end of the contract period.

7. That a clause be agreed upon that in case of dispute which cannot be settled by the operators and miners' representatives of Illinois the operators have a right to appeal to the international executive board and the mines continue in operation pending such appeal by the operators.

8. That engineers and such employees as are necessary to protect property under any and all circumstances shall not be subject to the direction or orders of the local unions or district officers, but shall be subject to the orders of the international executive board.

Under date of July 25, however, Springfield, Illinois, reports would indicate that the Indianapolis compromise is not to the liking of the Illinois union officials. That between the national and state officials of the miners' union friction became apparent.

From the preceding dispatches it is apparent that peace in the affected section is not yet definitely agreed upon.

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS

COALS

Preparation and Quality as They Should Be.

The Chicago, Burlington & Quincy railroad has advanced freight rates 12 cents per ton on coal shipments to Western Springs and Hinsdale, Illinois.

R. C. Whitsett of the R. C. Whitsett Coal & Mining Co., 355 Dearborn street, Chicago, summed up the coal developments of the past few months as follows: "Owing to the long drawn out strike in the Illinois field there is practically no sulphur coal on the market. Ordinarily at this time of year the manufacturers are stocked heavily and considerable coal on the market is drawing car service. Conditions are entirely different this year. Manufacturers have been buying their coal from day to day as they needed it, therefore they will be in the market for their regular supply. The heavy demands for domestic purposes will set in by September 1. This, along with our usual fall car shortage when the crops begin to move, will have a tendency to create a shortage of coal. The immense tonnage from the Illinois field taken off the market for four or five months is bound to have its effect. There is no possible reason for coal to get cheaper this year, but there is every indication of higher prices and irregular shipments. Therefore, I would strongly advise the florist trade to lay in their stock during the month of August."

SCRANTON, PA.—The greenhouse in Nay Aug park, built for the city by John Cleland, is completed and will be turned over to the city soon.

The Coal Situation.

The following resume of conditions in the coal supply situation was given the AMERICAN FLORIST by A. B. Stefens, vice-president and one of the principal owners of T. C. Keller & Co. and Franklin County Collieries Co., heavy producers of coal at Sesser, Franklin county, Illinois. "After four months of a strike a settlement has been reached with the Illinois miners, subject to ratification by their local unions, and it is almost certain that the mines will resume operations shortly after August 1. The settlement involves a heavy sacrifice on the part of the mine owners, particularly those of Franklin and Williamson counties, which latter have been taxed two cents per ton extra in addition to the shot firers' expense and the regular advance granted by the other states. It was felt by the southern Illinois operators, however, that had they determined to resist further they would have been alone, as the other districts would in all probability have signed up with the miners.

"The cost of mining coal in Illinois is going to be considerably increased over that of last year, and a stiff market is expected from now on till the end of the season. In former years the coal dealers, as well as many consumers, have stocked up heavily with coal during the slack months of the coal season from May to July, but this year, owing to the strike, they have

Eldridge Coal Company



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WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

not only been unable to stock up, but on the contrary the stock of coal that was remaining on May 1 has been depleted gradually until now there is practically not a ton of storage coal held by any one, not even excepting the railroads.

"August is usually the time when a good demand for coal sets in and from that time on the demand grows stronger every month until it reaches its maximum around November. It should not be forgotten, either, that during the four months' strike many of the idle miners left Illinois for other coal mining states where mines were in operation. Another large number, particularly of the Italians, went to Europe for summer vacations, until today there is hardly a single mine in Illinois that has even one-half of its regular number of men left. It will not be until winter time, and perhaps not then, that the Illinois mines will have a sufficient number of men to again produce their regular tonnage."

"After a week's trip through the coal fields," stated M. A. Rolfe, sales manager Black Gem Coal & Coke Co., Old Colony building, Chicago, "I believe that it would be wise on the part of the consumer to get his coal before September 1. The strike has created a large shortage. Sufficient coal cannot be procured today to fill orders. We are behind on our orders for block, which is our specialty. It will be exceedingly difficult to catch up, and everyone will have his troubles when the car shortage starts. This is the meat of the situation. Be safe, get in your coal, save all the annoyances of delay and money, as the prices will surely advance."

Rochester, N. Y.

CONVENTION NOTES.

A rate of one fare and one-third has been secured on the certificate plan for those attending the convention on the Trunk lines, New England, Eastern Canadian and Central associations. Passengers on purchasing their tickets must be sure and ask for these certificates. The executive committee of the Florists' Association has matters well in hand for the entertainment of the visitors, a few minor details only being left to make the arrangements complete so that the programmes will be in the printer's hands in a few days. The outing will be held on Friday at Manitou Beach. The ball game will also take place here, this being an ideal spot to hold a gathering of this kind; besides, the 10-mile ride on the shore of Lake Ontario is in itself a feature that the committee did not overlook in deciding to hold the outing at Manitou. The ladies' bowling will be held at the Elm alleys on Elm street. The men's bowling will take place at the Grand Central alleys on South avenue. These are considered to equal any in the city

GOLSEN-DOAN COAL CO.

Florists' Coal a Specialty

We make this special offer to florists—

Brazil Indiana Block,	- - -	\$2.65 per ton
Genuine Pocahontas Mine Run,	running at least fifty per cent lump.	3.05 per ton
F. O. B. Chicago.	Good things do not go begging long.	

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NATURAL GUANO COMPANY,

Aurora, Ill.

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.

Other sizes pro rata.

For further particulars address

D. D. JOHNSON CO., Man'frs.,
 64-66 Wabash Ave., Chicago.

and will be refurnished for this occasion.

The shooting contest will be held on the grounds of the Riverside gun club at South Park. Chairman A. F. Vick of the sports committee requests that those clubs holding trophies will communicate with him at once as to whether these will be forwarded by express or be brought with the club now holding them. He also wishes that the captains of clubs intending to compete will communicate with him at once so that some idea can be formed as to how many to expect, and that the prize list can be made complete at once. Address A. F. Vick, c/o Vick & Hill Co., Rochester, N. Y.

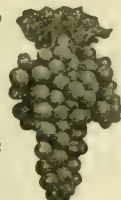
The souvenir album now gone to press will no doubt prove to be the best publication of its kind published in Rochester and will reflect great credit on the committee who had this work in charge. Chas. H. Vick, superintendent of the trade exhibition, is more than pleased with the way matters are going and feels convinced that everybody will be happy and that the trade exhibition will outshine them all. Mr. Vick has appointed as his as-

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
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Vines,
Tomatoes,
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**PERFECT
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Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers,

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Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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 32 Union Stock Yards, Chicago

stant Walter Salmon who will undoubtedly prove himself to be of great service in directing the installing of the exhibition. **H. B. STRINGER,**
 Sec'y Rochester Florists' Association.

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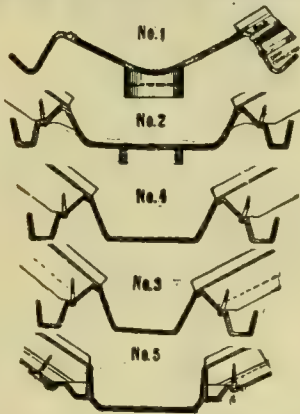
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The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

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Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Knoxville, Tenn.

W. M. Goodman, director general of the Appalachian exposition, is making arrangements for some fast work on buildings and grounds with a view of having everything in readiness for the opening on September 12. A survey of the midway grounds was made July 13 and contracts for the grading are let. Work will begin at once on the archway at the entrance and on the woman's building. A force of men has been placed on the main building to finish the work of grading the walkways and sodding the grounds. Flower beds have been laid out and florists and nurserymen of the city will get busy right away setting out plants and shrubs of many varieties. A. H. Dailey is now at work on the beds at the south end of the main building. He will also place several beds around the fountain at north end. C. L. Baum and the Peters Nursery Co. will also contribute flowers and shrubs and set out and maintain a number of beds.

Too much cannot be said in praise of the florists and nurserymen, who are doing this work without cost to the exposition, solely with the view of aiding in this great movement to advertise their city and the Appalachian region, says the Sentinel. This display of public spirit and civic pride should call forth the highest praise on the part of the people. The arrangement of the forestry exhibit will be made by Don Carlos Ellis, who is in charge of education of the United States forestry service, and who will collect and arrange the government forest exhibit. He will be assisted by R. G. Burton, forestry engineer of this city. Mr. Burton will superintend the collection and cutting of samples of lumber trees in this region.

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Foley Steel Trusses, Ventilating Machinery, Pipe,
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GREENHOUSE GLASS.

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Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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WHOLESALE GLASS AND PAINTS,

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CYPRESS

Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
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Use our patent
Iron Bench
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IMPROVED VAPORIZING PANS

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Sample free. For sale by dealers.
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Cape Flowers, all colors, Cypas
Leaves, Metal Designs and all
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Are positively the best. Last forever. Over
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Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and
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Manufacturers of the Model Plant Supports for
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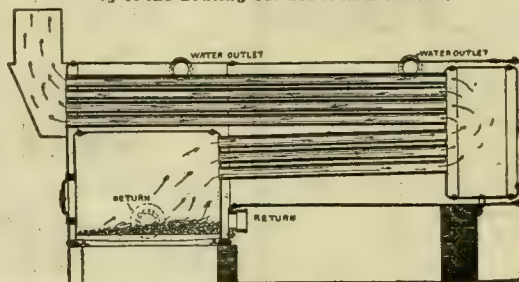
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RETURN FLUE-FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
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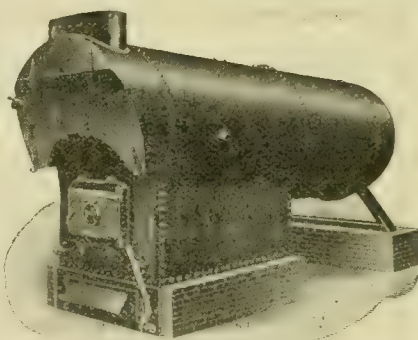
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Nothing but
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This boiler has given better satisfaction than any other boiler on the market
MADE IN NINE (9) SIZES FOR HOT WATER.

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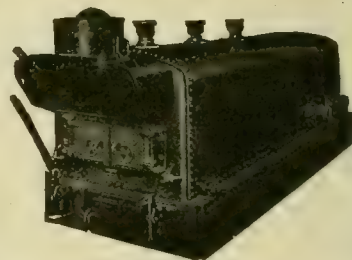
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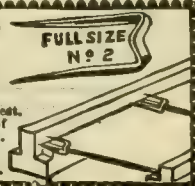
The Most Economical Type of Boiler
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See the Point
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Glazing Points are the best.
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WILKS' Hot Water Boilers

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No Night Fireman Required
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SELF-FEEDING HOT WATER BOILERS.

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It is one of those successful combinations of curvilinear and straight roof houses making a compact, attractive little range that is practical in every way.

The construction is our Sectional Iron Frame. Of course, if you want Curved Eaves, we will

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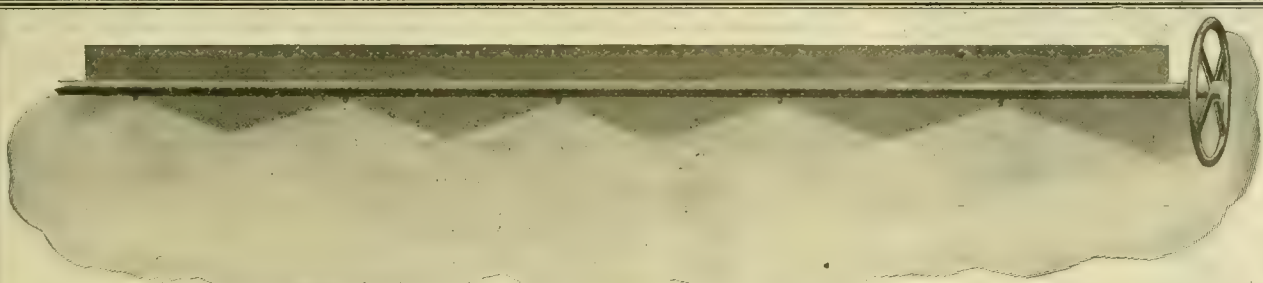
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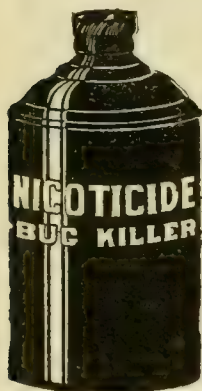
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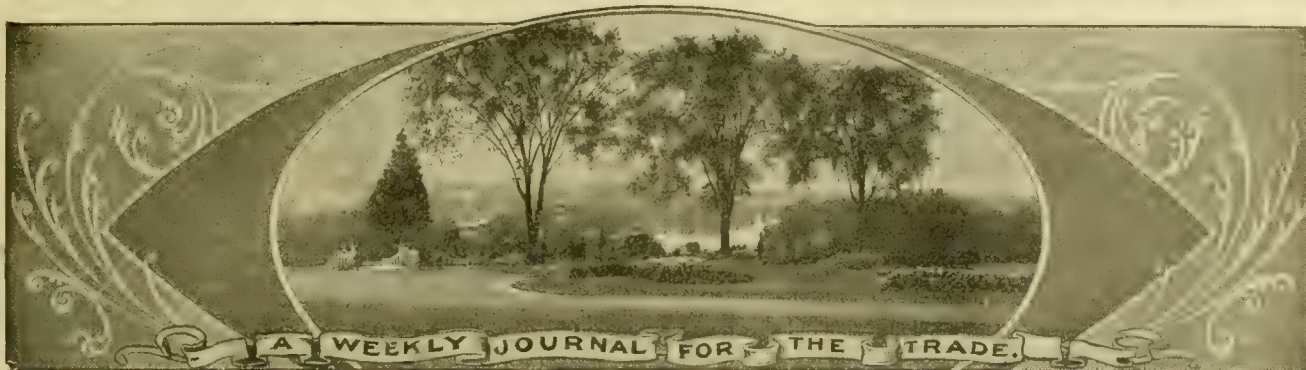
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THE AMERICAN FLORIST



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Vol. XXXV.

CHICAGO AND NEW YORK, AUGUST 6, 1910.

No. 1157

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Pres.; FRED W. VICK, Rochester, N. Y., Vice-
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WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Rochester, N. Y., August 16-19, 1910.
Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
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Next annual meeting and exhibition at Bos-
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on Hudson, N. Y., Secretary.

**Convention
Number
Next Week
Send Advt. Now**

HALF HOUR CHAPTERS FOR PLANT GROWERS

Mignonette

The first week in August is a good time to sow mignonette for pot plants for Christmas and later. We have tried many varieties but have come to the conclusion that a good strain of Machet is still the best for pot work. The habit is dwarf yet it is a free grower and it will stand the somewhat close pinching in the earlier stages of growth that is necessary to produce dwarf, bushy plants. The aim of the grower of pot plants is always a neat looking specimen, well leaved and with plenty of shoots and consequently flowers. For many years we have followed out the plan given below with this variety and have never failed to get good stock. Two or 2½-inch pots are filled firmly with a good loamy compost, consisting of loam and leaf mould with a little well dried cow manure and some sand or burnt refuse if the soil is inclined to be heavy. Although frequently decried as a waste of time we invariably drain the small pots by placing a crock, bottom side down, over the drainage hole and putting a little of the rougher compost over this. We are convinced that this is necessary and well worth the little trouble involved. Sow three or four seeds in the center of each pot after watering and cover only very lightly. Lay some newspapers over the pots to exclude light and in a few days the young plants will appear, when the paper must be removed. Very careful watering is necessary in the early stages and this is where the drained pots have the advantage. As soon as the plants are large enough to handle remove all but two and eventually all but one to form the plant. Keep them gently growing in a cool, well ventilated house with full light until about four or five good leaves have formed, then pinch the point out of each. This will result in the formation of three or four shoots which will be pinched again later. The young plants will be potted when they have filled the pots with roots and the young shoots pegged down. The sub-

sequent treatment consists of pinching and supporting the shoots and will be described later.

Pandanus Veitchii.

The weather of the present summer so far in the middle west has been all in favor of the growth of Pandanus Veitchii, the continued sunshine suiting this plant exactly. All young stock should by this time have been shifted and established in the pots and the brisk, moist atmosphere caused by frequent damping of the benches and floors in conjunction with the hot sunshine is exactly to the plants' liking. It brings out the fine variegation that is so much admired in this plant and gives a gloss to the foliage that is the unmistakable stamp of the well-grown specimen. While old plants that have become potbound may require a little feeding at the roots, the less feeding that is given young stock the better. Heavily fed plants never show so good a variegation as those that are watered with clear water only, the feeding increasing the chlorophyll or green coloring matter in the leaves. Feed only as much then as is necessary to keep the plants moving. While well rooted specimens need ample moisture to keep them moving, young plants repotted recently are easily overwatered and they should be allowed to get well on the dry side before giving any more. The pine family, to which this plant belongs, can all stand periodic droughts, but a constantly moist condition of the roots is bad for any of them.

Cyclamens.

The great heat of the past few weeks has necessitated frequent attention to damping in the frames where the young cyclamen stock is growing in order to keep insects, and especially the dreaded thrips, in subjection. Only by the closest possible attention to every detail of culture can these plants be brought to the perfection demanded of the market specimen of today, and unless the foliage is kept clean and in good condition there is no hope of attaining it. The earliest plants, those

sown in late August and September, 1909, are now well established in 4-inch pots with fine large foliage and will soon be ready for their final shift into the flowering pots. Later batches are not so well established, but are given the same treatment as regards atmospheric conditions. The little plants not having so great a command over the soil should not be so freely watered at the roots, but even more freely sprayed, not giving a heavy douche of water but a light misty spray caused by placing the finger on the end of the hose fitting or syringe and breaking up the flow of water into a fine spray. Keep a close lookout for turned leaves, which are sure to harbor green fly or other insects, and remove them on sight before the insects have a chance to spread to the healthy leaves. A little dry lime and soot scattered around the ground is of great help in creating a good atmosphere around the plants, generating a small amount of ammonia, which is very helpful to the plants. Should insects appear fumigate regularly until all are killed, for the plants must be kept absolutely clean if the best results are looked for.

Rubbers.

These plants are usually able to stand all the sun they are likely to get when growing outside in plant protectors, but the present summer is proving almost too hot and the dry winds under a hot sun is proving almost too much for them. Under such unusual conditions it is questionable whether a light shade would not be an advantage during the hottest part of the day. If they can be kept going by night and morning spraying and copious root moisture then all is well, but do not allow the foliage to suffer. A few branched plants are usually inquired for and it may be worth while pinching the points out of a few for this purpose. Occasionally an accident happens to a plant and the top is broken off. Such plants never regain the straight stem and may have three or four shoots taken up to form the branching specimens referred to.

Rambler Roses.

The pot grown stock of rambler roses being brought along for forcing should be especially well ripened and good for the purpose this year. The growth has been remarkably free and owing to the constant sunlight, is solid and in fine condition. A thing to guard against is careless help in watering. Men are often using the hose and looking anywhere except where the water is going, consequently the plunging material is washed up onto the surface of the pots, becoming hardened in the sun and consequently making it very difficult to determine the condition of the roots as to moisture or to properly water them if they are dry. From now on the roots will be needing plenty of water and occasional feeding with liquid manure and the tips of the shoots may be pinched in order to plump up the basal eyes of the earliest stock. It is just as well to try and induce the earliest plants to go to rest as soon as possible and they can be separated from the rest, kept well apart so that plenty of air and light play between them and kept a little drier at the root.

THE RETAIL TRADE

ATLANTA, GA.—An attractive window is that of the Atlanta Floral Co., in Peachtree street, decorated with a layout of rocks, ferns and flowers growing, while with these are a spring and a small pond with miniature children in the shape of dolls diving and swimming.

Standing Wreath of Roses and Hyacinths.

SEE SUPPLEMENT WITH THIS ISSUE.

There may be various opinions as to the artistic value of the standing wreath, but there is no doubt about its popularity and the nature of the design makes it possible to use a great variety of flowers, almost anything, in fact, that may happen to be in season. Just now, when all varieties of gladioli are extremely plentiful, these are excellent for the base of the design, arranged either with their own foliage or with leucothe sprays. Easter lilies are elegant for the same purpose and many others of the lily family, such as *Lilium speciosum rubrum*, *L. speciosum album* or even *L. candidum* can be used. In the chrysanthemum season a few fine specimens loosely arranged with suitable foliage make an elegant base and, in short, almost any bold and striking flower is suitable.

As to the wreath itself there are, of course, various methods of treatment, any flowers used in the ordinary wreath being just as suitable for a standing one. But care must be taken that the flowers do not clash in color with those of the flowers used in the base and an effort should be made to get away from the stereotyped round form by allowing a spray of fern or other greenery or a few flowers to escape from the wreath. Remember, too, that it is not the quantity of stock used in a wreath that gives it its value from an artistic standpoint. A wreath with a few flowers well placed, so that each shows its individuality and stands clear of its neighbors, is far prettier and far better in every way than one with a lot of valuable

stock closely arranged so that it has a lumpy, heavy effect. Such a wreath may be made very attractive and show a fair profit of \$10 while higher prices will have to be charged for better work and the use of more valuable stock.

Ventilating Flower Vault.

ED. AMERICAN FLORIST:—

I have a flower vault at my office and expect to build one on a larger scale at my greenhouses. We have had some trouble with the ventilation, and would like to know from some reader of THE FLORIST the correct principles for ventilating such a vault. The floor of same will be about 12 feet under ground, connected with the surface by a stairway, at the bottom of which we will build a closed vestibule leading into it.

AN OLD SUBSCRIBER.

We have a flower vault similar to the one described. It is about 12x16 feet, but only about nine feet deep. We have two of the common cellar windows hinged at the top, necessarily opening into the upper part of the cellar, each of which is about 16x28 inches. From the opposite corner of the cellar we ran up a wooden flue through the room above and as high above the roof as we could conveniently go; of course, the higher it is, the better the draft. This flue has an area of about 12x12 inches and we find that it is very effective, creating a strong upward suction whenever the windows are open and it seems to ventilate the cellar perfectly, all flowers, even carnations, keeping remarkably well without ice. "An Old Subscriber" should be cautioned to make absolutely certain that there is no possibility of sewer gas getting into the cellar as it is deadly for carnations. Illuminating gas is equally fatal, even when escaping in such small quantities that it can not be detected. It will, therefore, be advisable to cement the cellar both bottom and sides very carefully and unless it can be lighted by electricity, have no fixed lights in the cellar at all, depending on using a lantern when necessary. "An Old Subscriber" will also realize the import-



PHOENIX ROEBELENI.

Grown By Chas. Eble, New Orleans, La.

ance of keeping the flower cellar absolutely sweet and clean. A flower cellar should be kept as clean as the pantry where one stores the eatables. Any water spilled on the floor should immediately be wiped up as the atmosphere should be kept as dry as possible.

W. N. RUDD.

Store Wisdom.

It is now aster time and for the next six weeks these flowers will form a large part of the florists' stock. One of the objectionable features of this flower which is also common to most soft and leafy stemmed blossoms is that the stems become fouled over night. This can be avoided by adding a drop or two of formaldehyde to the water of the jar in which the flowers are placed; this stops all fermentation and the stems and foliage remain sweet and clean as long as the flowers ought to be kept. The best method of applying this is by having a bottle with a cork and tube similar to that used by barbers; one holding a pint is easy to handle, and into this place the water and tablespoonful of formaldehyde. When the jars are full of water a dash or two is sufficient to charge a jar holding a gallon or more so as to secure the results desired. Try a bunch of asters over night in the charged water and another in the plain and note the difference. Ten cents' worth of formaldehyde at any drug store is enough to last for quite a while. It is not to be regarded as a preservative of the life of flowers, simply preventing the fermentation of the soft foliage and stems which are often slimy and decayed while the flowers are still good enough for street sales or cheap work.

This is the time to bring out the talents of the young and growing help. The best designer was a green, inexperienced hand at one time, although to see his finished work it would seem as if he was born with this special gift, as it appears to come so natural to him. He just jabs the flowers in anywhere as fast as he can pick them up, and almost before you realize it there stands the finished design. A good thing to start on is the prepared magnolia leaves. This is the time to have them stemmed up; toothpicks and No. 27 wire are best. They should be stemmed singly and laid straight in baskets or boxes so as to be handled quickly when needed. The entire winter's supply can be got ready now when there is plenty of spare time. Magnolia leaves are rapidly replacing

galax, as they will last for years and look just as bright and fresh if kept clean as the day the cases were opened.

The making up of wreaths of these leaves forms good first lessons for beginners. The thing of great importance to be impressed is economy. A 14-inch wreath can be satisfactorily made with so many leaves and no more should be used. A 16, 18 or 20-inch require each an additional quantity in proportion, and this is all that should be used, and so on up into the larger sizes. The necessary quantity should be counted out and assorted, the smaller leaves being used for the beginning or narrow part of the form, presuming that crescent wreaths are used. I would recommend this style, as they are much more popular than the full, round kind, although very handsome designs are made in the larger sizes of this pattern, particularly when mounted on stands or bases. With a well-made wreath as a pattern and a little instruction, it does not take long before a willing hand can turn out a very fair piece of work and with experience soon becomes quite proficient. With one or two such experts the storage capacity is soon taxed and then a step farther is taken. The wreath is decorated with inexpensive summer flowers. As there are so many ways in which this work can be done, bringing out color effects and

graceful arrangement, the coming artist has an opportunity to show his aptitude and gets practice that could hardly be afforded him later in the season. Even in the dull season a finished piece that is presentable is often valuable to have for show to those who go about pricing, and orders are often secured that might have gone elsewhere.

K.

Can It Be Done.

ED. AMERICAN FLORIST:—

I have read your article on retail prices with a great deal of interest. The question, "Can It Be Done?" is of vital import to the florists of this vicinity. When the man calling himself the "leading florist," cuts his prices so that he sells at retail below what we can buy at wholesale, we must indeed ask the question: "Can it be done?"

Only last week a lady called our attention to the fact that she could purchase of him, for 50 cents, a larger bouquet than we furnished for \$1.50. Again, at Easter, this same party sold Easter lilies at 15 cents a bloom, and daffodils and carnations at 40 cents a dozen. This is done in our city, not by any foreign element, but an American who is trying in this way to hold the trade in his own hands, forgetting that in a growing city there is room for all who do business in a fair way. I. H.



VICTORIOUS BALL TEAM AT BOSTON GARDENERS' AND FLORISTS' CLUB PICNIC.



GROUP AT THE PICNIC OF THE BOSTON GARDENERS' AND FLORISTS' CLUB, JULY 27.

CHRYSANTHEMUMS

Chrysanthemum Smith's Advance.

The flowers of this variety are pure white when fully expanded, showing a creamy center when semi-developed. This is the earliest large white variety known. Buds selected June 10 were cut July 25, 5½ inches in diameter with excellent stems and foliage and remarkable substance. The later buds for August and September flowering give promise of larger and finer blooms carried on stems three to 3½ feet long. This, like Golden Glow, will produce blooms at any season of the year, following an active period of growth. The lateral growths which follow the removal of early buds are not surmounted with terminal buds as is the case with Golden Glow, but push forward and produce another crown. This course is continued until the natural time for terminals to set in August or September.

Varieties or Late Planting.

It is rather late to write upon this subject as the planting is nearly at an end. Those who have space unoccupied may secure many blooms that can be used to advantage, by devoting space to such chrysanthemums. We have produced very satisfactory crops by planting as late as August 15. Blooms from stock planted after July 15 will not compare in size and finish with those planted in May or June, but those who have a constant demand for made-up work will realize well from such a venture. Any variety that will produce double flowers from late buds will be suitable. It matters little whether they are early, midseason or late kinds, as they must be late at best. Five to six inches apart each way is ample space and one bloom to each plant will be most satisfactory. Many of the late kinds when thus treated will extend the flowering season quite to Christmas.

We question the propriety of entering into such an undertaking on a large scale as it is doubtful if short stemmed and small flowers would bring returns equal to carnations or some other crops, but those who have a constant retail trade could use several thousand to good advantage.

ELMER D. SMITH.

Timely Suggestions.

The early planted stock being now well established in the soil and the roots pushing well up to the top of beds, it is time for a mulch to be put on the soil. Before putting on the mulch go over the bed and see that the surface is even and level; constant syringing and watering will wash some of the soil from the sides to the center of the bed; this should be scratched back. Loosen up the soil a little before the mulch goes on, being careful not to disturb the roots in doing it. The beds should be got into as even condition as possible as regards moisture, and if there are any dry spots these should be picked out and given a watering so that all parts of the bed are alike to receive the mulch.

The idea of the mulch is to give the young feeding roots extra nourishment and to protect them from the wind and hot sun, well rotted cow or

horse manure being the best material for the purpose. It must be in a medium dry condition to be able to handle it properly. If it is wet and sodden it will form a crust over the surface of bed, preventing the water from passing freely into the soil, also preventing the proper drying out of the soil. Another important point to look out for is not to put a very heavy mulch on at one time or a long jointed soft growth will follow. Half an inch or a little more is enough for any mulch. Directly after mulching, the suckers from the stools of the plants will quickly commence to cause trouble; these should be removed as soon as they can be handled properly, using a sharp knife to cut them out just below the soil, being careful not to damage the roots or main stem. Extra caution in watering directly after mulching must be exercised to keep the soil from becoming over wet.

Dense, heavy growth usually occurs following a mulching, thus preventing the drying out of the soil and foliage, and the time is close at hand for a let-up in late syringings so that the atmosphere is well dried up before nightfall. The hot weather being general throughout the country the routine of the work is about the same and the main thing about it just now is to syringe freely. The same can be said about the picking of the side shoots; look well to the tips of the plants to see that there are no thrips lurking there. Get a step ladder, if necessary, and get up high enough to syringe the top of the plants thoroughly every day. The late planted stock for late work will be now well established and growing rapidly. Do not let the weeds get too big before attending to them, also look out for the budding up and the side shoots.

C. W. JOHNSON.

Outdoor Chrysanthemums in the South.

The excessive rainfall the past six weeks has been unfavorable to the crop. Where a quick way of draining off the surplus water had not been provided many plants died and others were severely checked. Even where the drainage has been almost perfect the plants have made too quick a growth and are consequently drawn and spindly. About all that can be done at present is to remedy the defective drainage as far as possible and hand weed the plants. Work with the hoe is out of the question with the ground in such a soggy condition. Keep the plants regularly tied up to insure straight stems. Those plants grown to a single stem are making the first crown bud which should be pinched out and the strongest break taken. Curiously enough the second break is generally stronger than the leader, but whichever one is the strongest must be allowed to grow. Look over the plants at least twice a week and see that this work is carried out. The advance guard of the aphid is now on deck and the best time to control it is at the first appearance.

The presence of ants on the tops of the plants will positively prove that aphid or some other insect pest is around. Spray the plants lightly in the late afternoon and dust moderately with tobacco dust. If this is done regularly every week or 10 days the pest will be kept thoroughly in control. I would advise washing off the dust next morning with the hose before the sun gets too strong, otherwise the foliage is liable to get burned and discolored. As soon as the soil dries out and the plants show that healthy root action is again under way, a good mulch of cow manure may be spread on the beds. First, however, give a



CHRYSANTHEMUM SMITH'S ADVANCE.

top dressing of bone meal and give the beds a liberal sprinkling of lime. The lime makes the bone meal more quickly available for plant food, and beds treated in this way will require nothing more in the way of fertilizers.

WM. LEAR.

THE SWEET PEA.

Sweet Peas in Oregon.

If Oregon were not known as the favorite home of the rose, and Portland as the "Rose City," this state would be known as the sweet pea state, for this charming flower attains a perfection here that is believed to be equaled nowhere else. Oregon communities are going in this year to a great extent for sweet pea growing and are holding competitive shows where the prize flowers are exhibited. Portland's annual rose festival precludes the possibility of making any great fuss over any other flower here, but, despite that fact, suburban improvement associations have stimulated interest in sweet pea culture by holding exhibitions lately that have been very successful.

Such a show, held at Woodstock, a Portland suburb, recently, resulted in the formation of the Oregon Sweet Pea Association, which is to have a charter membership of 500. This will result, it is believed, in annual flower shows throughout the state and in a wider interest in sweet pea culture. The general display at the Woodstock show was said to be the best collection of sweet peas ever made in Oregon. There were 85 separate exhibits from amateur growers and one from a professional florist. A special juvenile exhibit was also made. A pleasant feature of the affair was that the entire exhibits were sent to the various hospitals of the city after the show was concluded.

It is planned to hold the next annual sweet pea show at some more centrally located point in this city, thereby arousing a greater interest in the culture of this beautiful flower. Under the auspices of the Woman's Club of Cottage Grove, the annual sweet pea show there has just been held. A beautiful display of choice sweet peas of all varieties was shown and many wild flowers were also entered by the children. One boy had 62 varieties entered and captured first prize in that department.

A big feature of the Cottage Grove show was a decorated parade, participated in by business houses of the place and individuals, the horses, teams and automobiles being elaborately decorated with sweet peas, after the fashion of the Portland rose festival parades. Boys and girls on foot and in drills and riding decorated horses and in gaily bedecked carts were very attractive. The climate of this state seems especially adapted to the best development of the sweet pea and each passing year sees a wider interest in its growth. There is hardly a home in Portland that has not a hedge of these beautiful flowers growing in the yard.

E. H. W.

DIGHTON, MASS.—A. E. Briggs is putting new cement foundations to his greenhouses.



SWEET PEA SENATOR SPENCER.

Impressions of the Sweet Pea Show.

I am glad of the invitation to write under the above caption. The New York sweet pea show was carried through by the men who organized the National Sweet Pea Society, and I am in heartiest sympathy with them. The greatest credit is due to them, and all who were present felt like speaking in the kindest way of the display that was got together. The schedule of prizes was a remarkable one, and the secretary ruled that they should all be awarded to the best that was shown. It was a very hot spell, and some who would have exhibited could not for that reason. And those who did exhibit, said they could have made a better showing at an earlier date. On the whole it was what it pretended to be, a worthy representation of the sweet pea of today, and means that here in America this flower is to have its annual event.

But of course all will say: "Let it be judged by the highest standard of what the sweet pea of today really is at its best." Before King Edward died the sweet pea shows in England had excited his enthusiastic admiration. The reason they excite such interest there is that a large coterie of enthusiasts are doing original work in producing novelties and in carrying the finest varieties to their highest development. Flower shows cannot repeat their success by merely exhibiting again what

the public have already seen. The biggest chrysanthemum shows will go begging for public patronage if the same varieties and the same monstrous blooms have been shown before. The basis of popularity must be that a competition is on to produce something new or better. There must be a sensation of novelty, and a wonderment at the progress being made. In England they have for nearly a decade been having just this with the sweet pea. In their zeal they have been multiplying synonyms, and have been hungry to get awards of merit before they had got their novelties fixed; but it has made the show business lively. And it has been a work of genuine merit.

Was the New York show like this? No. It would be absurd to expect it. But you will allow me to put the standard where it is in England. We must keep the standard before us. If an exhibit could have been made of the seedling stock I have seen in California we could have had a show that would have rivalled the best that they have had in Great Britain. I felt like saying to their men who were opening up their boxes at New York, "You have done admirably." It was a brave thing to make an attempt to exhibit when almost a sirrocco of heat had conspired against them.

A good proportion of the vases were labeled as Spencers, but only a small

proportion of the blossoms registered the wavy character of the real Spencer type. A sweet pea expert would look in vain to find the size and quality that have been added to the flower since Mr. Eckford brought it to its grandiflora type. I am not going to turn this into a jeremiad. The purpose of this writing is simply to give an impression of the show. And at the present date I feel a good deal less disappointed than I did. Probably with a favorable season, and a right date for the show a display 100 per cent better can be made. It was very gratifying that in the New York neighborhood people like the Goulds and Seth Low, who can have fine places and give their gardeners every chance, contributed so much to the success of the show. I wish their example might be emulated by a large number. Not many amateurs can put a very strong effort in the Spencer problem just now. I think the seed and flower men both around New York and Boston feel that they are up against a duty to not let the Spencer sweet pea fail to show what it really is, here on the Atlantic coast.

I do not know of anyone in this part of the country who is doing original work on this flower. And that seems anomalous. I know of no legitimate reason why we are so far behind Great Britain in this particular. Evidently there are future chapters to be written on the sweet pea in America. I think this question comes back on the Cornell folks. Their locality is favorable for sweet peas. I felt sorry for Professor Craig and Mr. Beal, for they could contribute nothing to the quality of the exhibition, to show what the Spencer type is. They bravely brought what they had. If Cornell wants to promote floriculture now is an historic moment to take some initiative. I do not know of a flower of grander possibilities than the sweet pea. I wish some effectual hint might reach the right ones there to let this flower have sufficient appropriation of money to do justice to it at this critical time. With all my heart I say let us go on to another year.

W. T. HUTCHINS.

Trouble With Palms.

ED. AMERICAN FLORIST:

I enclose portion of a phoenix with a fungus growing on it. Can you tell me the cause of this growth and how to destroy it? I have two palms infested with it. Will it spread to others?

C. W.

This is the ordinary phoenix fungus, and while it is unsightly, it is not a very dangerous trouble. The fungus behaves somewhat like the rust fungus on carnations, in the fact that it germinates within the tissue of the leaf, ultimately breaks through the surface, and finally discharges its crop of minute spores on the leaf, some of these falling into the pores of the leaf and there germinating and proceeding as the parents did before them. The fungus is encouraged by keeping the plants too wet and cold during the winter, and spraying with solution of sulphide of potassium, one ounce to two gallons of water, will probably check it. Use the sulphide solution weekly for a time until the spread of the fungus is checked.

W. H. T.

THE GLADIOLUS.

Early and Late Flowering Gladioli.

It depends altogether on the season as to whether gladiolus bulbs bloom better in July or August. It very often happens that bulbs planted for August blooming will come into bloom in July and vice versa, but as a rule the following varieties are all inclined to bloom the earliest of any: America, Capt. C. B. Tanner, Morning Star, Marie Lemoine, Mme. Lemoine, Shakespeare and Brencleyensis. If these are planted about the first week in April they will quite likely bloom in July. For August blooming the following is a satisfactory and profitable list: Attraction, America, Augusta, Ceres, Brencleyensis, Mrs. Francis King, May, Mme. Moneret, Sulphur King, Wild Rose. Experience has led us to believe that it takes about 12 to 16 weeks for bulbs to produce a bloom, depending somewhat upon the variety and a great deal on weather conditions.

I. S. HENDRICKSON.

Gladiolus Jottings.

The formation of a gladiolus society that appears to be on a fair way to a successful career, the great interest taken in the flower by amateurs and professionals alike and its undoubted beauty, are all indications of a bril-

liant future for this gorgeous and beautiful plant and prompt a few jottings respecting it. We might have said a little about its history but all this was so well said in a recent issue of the AMERICAN FLORIST (June 11) by H. Youell of Syracuse, N. Y., that it leaves little for a newcomer to say. As an old cultivator and fancier of the gladiolus though, the writer would like to say that he was greatly interested in this excellent paper and hopes to see more from Mr. Youell's pen. Possibly a few lines on the method of cultivation and handling the flowers may be of interest to those starting in the culture of this popular and beautiful flower.

There is a great advantage in the culture of hybrid forms of any plant over that of original species or varieties. There is a strength of constitution and vigor about them that renders them able to take care of themselves under unsuitable or at least only partially suitable conditions of climate and soil that is not found in the species. This is as true of the gladiolus as of any other plant and as most of the fine kinds now grown for cut flowers are of hybrid origin it will be found that they will grow in practically any class of soil—or at least that almost any soil can be made suitable for them by the addition of lightening and aerating material to those that are too heavy and cooling or so-



SWEET PEA HELEN SCOTT.

ludifying material for light, loose soils. For several years we grew gladioli on a light sandy soil that was "hungry and thirsty all the time" to quote what an old gardener said about it. But the addition of clay, old lime rubbish and liberal amounts of cow manure so improved the staple of this soil that we were enabled to grow not only gladioli, which naturally like a light soil, but roses of the hybrid perpetual and tea sections that prefer a heavier one—and both to such perfection that the produce took high honors at exhibitions.

No matter what the class of soil then, growers need not fear failure if a few simple rules are kept in mind and it is judiciously treated. No one with any idea of the fitness of things would think of adding a lot of fresh manure to newly broken possibly rich soil for a plant that takes no more out of it than the gladiolus. On the other hand it will be useless to expect good flowers for a series of years from comparatively poor soils unless some at least of the fertilizing properties are returned to it annually. In fact, though evidence may be adduced of success by following the method, we do not advise the growing of any plant for many years in succession upon the same soil. There are places where the gladiolus must be planted in flower and herbaceous borders every year to help in the summer display but they will not fall in exactly the same place annually and, of course, suitable additions in the form of well decayed manure and composted soil are made each year for the other occupants of the border. Certainly we do not think it advisable for the grower of a number of bulbs for cut flower purposes to stick to the same quarters every year for soother or later the quality of the flowers will be poorer and he is more likely to propagate disease organisms that prey upon the plant than when an annual or less frequent change is made in the growing quarters.

And here it may be well to mention that very rank, succulent growth is not advisable and the corms or bulbs are probably no larger and certainly not so good for planting as those from solid more normal growths. The bulbs from the extra strong growth are also more likely to be attacked by disease. In dry seasons it is a great advantage to be able to irrigate freely as the water helps to put substance in the flowers and gives vigor to the plant generally. The best position is one well open to sun and air. In shaded places the growth is not so good while it is an easy matter to shade the flowers when they are opening and thus form a fine handsome spike with many flowers open at once. Mature bulbs must not be planted less than six inches apart or thereabout, and the rows should be at least one foot apart. Planting should be done at any time after the soil can be got into good condition after March 1. In heavy soil three inches is deep enough to plant the bulbs and a little sand and wood ashes, in the proportion of one to four is an excellent addition, throwing it around and beneath the bulbs when planting and covering with light loose soil first. In light soils the sand is not required but the wood ashes are useful, either dug into the



SWEET PEA E. J. DALE.

staple or placed around the bulbs.

Cultivation must not be given until the rows, clumps or whatever form the bulbs are planted in are easily seen. Otherwise the young shoots are very apt to be cut off and the flowering of that individual bulb is spoiled for the season. But when the young shoots can be distinctly seen frequent hoeing or cultivating is an advantage. Watering and feeding regularly are the most important cultural details after this until the flower spikes appear. If grown for exhibition shade must be given as soon as the earliest flowers on the bottom of the spikes begin to open. If they are to be cut for market shading is unnecessary, as the spikes are usually cut when the first flowers open and the other flowers open up in water. As a rule it is best to pinch out the end of the spike if growing for sale, but this must not be done with exhibition flowers, anything of this kind being termed—and rightly—mutilation and apt to lead to disqualification. No flowers cut in the heat of summer should be shipped until they have been in water in a cool place long enough to lose the heat that is in them when growing in the field or garden. If they have to be kept any length of time the ends of the spikes should be cut off an inch or so daily, making a diagonal or

slanting cut rather than straight across, as this exposes more of the stem to absorb the moisture. The water should also be renewed daily. With regard to the addition of chemicals and other things to the water we have never experimented sufficiently to form an opinion. By the above methods we have always been enabled to keep our flowers as long as we wished. Usually about four days from the time of cutting is needed to put the spikes in the best possible shape.

WITH THE GROWERS

Frank Oechslein, Chicago.

A recent visit to Frank Oechslein's fine plant growing establishment at 4911 Quincy street, Chicago, proved to the hilt what an expert plant grower Mr. Oechslein is. The thing that strikes the visitor most prominently is the marvelous way in which the whole of the benches in the greenhouses and the frames are always kept filled—yet never crowded—with fine growing stock. There never seems to be an inch of spare room anywhere yet every plant has as much as it wants to attain its full development. Perhaps just now the Boston ferns are the most attractive of all plants here. They are grown in

immense numbers and may be seen in all sizes from small ones just planted out on benches to thicken out a little and make good stock for potting later to immense specimens in large pots just ready for sale for decorative and similar work. Besides the Bostons there are numbers of Whitmani and other forms of *nephrolepis* and thousands of seedling ferns of the usual market kinds. *Pteris Wimsetti* and *Aspleniums* are largely grown, the stock numbering hundreds of thousands. *Asparagus plumosus* in small pots is also a leading feature.

Although, of course, not making any great show at this time of year cyclamens are one of Mr. Oechslin's specialties and it would be difficult to find a more promising lot of plants anywhere. The foliage is clean and good, stock sown in September being now in 4-inch pots and, apparently, about ready for a shift into the flowering size. Owing to the great heat and continued drought there has been considerable trouble in keeping the outdoor stock growing and many of the geraniums though looking healthy and clean are only now commencing to grow. But they will come rapidly now and as a big stock was planted out there is every prospect of a fine lot of cuttings. A fine batch of *Celosia pyramidalis* was noted, the plants strong and fine in color. These will be potted at once and they will make elegant stock for store decoration during a slack time for flowering plants.

In a span roofed house on the south side of the plant where they get every ray of sunshine possible are fine lots of *Pandanus Veitchii* and various crotons. There are large and small plants in plenty and all have the same fine color in the foliage and excellent health. The house suits them admirably and they are certainly finely grown. In the smaller dracenas we noted elegant little stock of *D. Sanderiana* and *D. Godseffiana*, just right for furnishing fern dishes and similar decorative work. In the larger growing species, *D. fragrans* and *D. Massangenana* were prominent and represented by many hundreds of choice specimens in the best possible condition. Another fine feat in culture is the magnificent batch of *Begonia Gloire de Lorraine*. The plants are in 4-inch pots just about ready for a

shift and are absolutely clean, no sign of spot or anything else to disfigure them. We have not the space to mention by any means all the fine stock to be seen here. There are fine lots of rambler roses, rubbers, palms and all classes of decorative stock and it is in the most interesting shape. We strongly advise any visitor to Chicago or any retailers or others interested in fine plant stock to pay Mr. Oechslin a visit. It will be well repaid.

London Letter.

Magnificent as were all the exhibits at the Holland House show the hardy flowers and roses were decidedly the most important. There were many novelties but none of sufficient merit to influence the judges sufficiently to gain awards or certificates. Many American varieties of roses were shown, White Killarney in Stuart Low & Co.'s exhibit being especially admired. Turner of Slough, Hobbies of Dereham and Frank Cant of Colchester all had fine exhibits of roses as had Harkness & Co., Hitchin, Paul & Son, Cheshunt, Jackman of Woking, the two Irish firms of Dickson and others. It was a great display. American carnations were effectively staged by many exhibitors while the Malmesbury varieties by Cutbush & Son show that this firm, so long prominent in carnations of this class, is keeping up its reputation. The veteran James Douglas of Edenside was also represented by a small but neat collection. The best varieties of American origin were shown by Stuart Low & Co., R. H. Bath, Bell of Guernsey, W. H. Page, A. F. Dutton, C. Engelman, H. Burnett and G. Lange. Chas. Blick is still working on his seedlings and showed a very promising lot as well as some fine varieties already in commerce.

Among the sweet pea exhibitors, Robt. Sydenham and Jarman & Co. were prominent, the latter showing their novelty, Mrs. Townsend. Miss Hemus was also there with her fine varieties staged in her own effective way, while the exhibits of Sutton & Sons, G. Stark & Son, King & Son, Breadmore of Winchester, Kelway & Son and other growers were all excellent. The hardy flowers were magnificent, the great bank put up by R. Wallace & Co. containing fine *eremuri*, *delphiniums*, *irises*, *lilies* and *tritomas*. A pool of water in this exhibit had its banks prettily planted with pink *spireas*, *bamboos* and *Iris Kaempferi*. There was such a number of other exhibitors that it is impossible to name them all but the splendid group of herbaceous subjects and water lilies by Cutbush was magnificent. Bees, Ltd., showed a

fine collection of primulas of their own raising, notably *P. Beesiana*, *P. Bulleyana* and *P. Littoniana*.

At Covent Garden trade is dull and prices low. Growers here do not seem to realize that unloading huge quantities of poor stock on an already weak market is poor policy. There is a lot of good stock in, but there is also such an amount of worthless material that the good flowers have to be sacrificed. Sweet peas are variable in quality, roses mostly bad. *Gladioli* are over plentiful and of very mixed quality. Carnations are plentiful and good as are Spanish irises.

The show of the National Rose Society was remarkably good, far better than could have been expected after the unpropitious weather of the previous weeks. The champion trophy for 72 blooms again goes to the Green Isle, Alex. Dickson & Sons winning somewhat easily. Victor Hugo, Killarney, Mrs. E. Mawley, Walter Speed and Ellen Drew were magnificent specimens. All the other prizes in this class were taken by growers from Colchester, D. Prior & Son, Ben and Frank Cant coming out in the order named. In the 40 triples Dicksons again won, the firsts for 48 and 24 singles going to the Oxford veterans, Geo. Prince and John Mattock respectively. The latter vigorous old campaigner won in the class for a group of cut blooms, which was very keenly contested. Brown's of Peterboro, and Geo. Mount & Son were equal seconds. All the other classes were well filled and the competition was keen. Sweet peas, hardy flowers and many sundries were shown by various exhibitors.

The tenth annual show of the National Sweet Pea Society proved of far better quality than could have been anticipated, the trade growers being in strong force. W. H. Unwin of Histon had a truly remarkable exhibit of novelties and tried varieties nicely colored, fresh and clean. Gold medals were awarded to E. W. King & Co., Sutton & Sons, C. W. Breadmore, R. Bolton and Dobbie & Co. Silver gilt medals went to W. E. Alsen, W. J. Unwin, Jones & Son and James Box. Jarman & Co., King & Sons, J. Stevenson, Robt. Sydenham, Kelway & Son, Miss Hemus, Stark & Son, W. Deal, L. Bide & Son, W. O. Cantley and G. & H. Clark were awarded silver medals. J. Agate was given a silver medal and first class certificate for Stirling Stent while awards of merit were given to Masterpiece Arthur Green and Mrs. Hugh Dickson, exhibited by Dobbie & Co., and to Cherry Ripe staged by Gilbert & Son. The Burpee cup was won for the third year in succession by Robt. Bolton and now becomes his property.



GROUP AT THE ST. LOUIS FLORISTS' CLUB PICNIC, JULY 21.

Society of American Florists.

AMENDMENTS TO CONSTITUTION.

Notice is hereby given to all members of the Society of American Florists that the following amendments have been received by the secretary and will be presented at the annual meeting to be held in Rochester on August 16-19, 1910.

Article V, Section 1, to be amended to read as follows: Section 1. Meetings.—The first annual meeting of the society shall be held at Buffalo, N. Y., on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at such time and place as may be fixed by ballot at the morning session of the second day of each annual meeting and shall continue for at least three days. This provides for the selection, each year, of the time as well as the place of meeting.

Article IV, Section 2 to be amended by striking out the figures "25.00" and inserting in place thereof the figures "50.00," meaning to increase the life membership from \$25 to \$50.

Article II to be amended as follows: Section 2 (a). Strike out and substitute the following: "The president, vice-president and two directors shall be elected by ballot at the annual meeting of the society and their term of office shall begin with the first day of January next succeeding the election; and the terms of the president and vice-president shall continue for one year or until their successors are duly elected and qualified; and the directors shall serve for three years from the first day of January following the election.

Section 2 (b). Strike out the words "two directors to serve for a term of three years. He shall also appoint at the same time."

Section 2 (c). Insert the words "and directors" after the word "officers" and before the word "shall."

Section 2 (d). Add the words "and directorships" after the word "offices" in the fourth line.

Section 2 (g). Add the words "or directorships" after the word "offices" in the first line.

Section 3 (a). Strike out the words "two directors to serve for a term of three years" after the word "appoint" and before the words "one botanist."

Section 3 (e). Add the following: "and they shall also at their annual meeting in January appoint a secretary and treasurer of the society for the ensuing year, whose term of office shall commence at such time as shall be then designated and continue until their successors are appointed."

The above amendments to Article II were presented at the twenty-fifth annual meeting. In case these pass the following amendments will also be presented:

Article II, Section 3 (d). Add to the end of the same "He shall attend all meetings of the executive board and shall be paid mileage as is allowed members of the board."

Article III. Strike out the word "Secretary" (page 13, second line) and the word "Treasurer" (page 13, third line). Strike out the words "a regular" (page 13, fifth line) and insert in place thereof "an annual." Strike out the word "mid-Lent" (sixth and seventh lines) and insert in place thereof the words "January 15." Insert after the word "audited" and before the word "appropriations" the words "appointments of a secretary and treasurer shall be made." Strike out the word "seven" (page 14, ninth line) and insert in place thereof the word "six."

These amendments to Article III are merely changes made necessary by the above amendments to Articles II and III.

H. B. DORNER, Sec'y.



THE "SHOW ME" NINE OF ST. LOUIS.

Chicago to Rochester.

The Chicago Florists' Club has arranged with the Lake Shore & Michigan Southern railroad for transportation to the Rochester convention as follows:

A special train will be provided, same to be counterpart of the Twentieth Century Limited and to consist of combination baggage and buffet car, one of the famous Lake Shore diners, as many as 12 sections and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation end sleeping car. The train will leave Chicago at 5:30 p. m. Monday, August 15, arriving in Rochester at 9 a. m. Tuesday, August 16.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth, \$3; section, \$6; compartment, \$8.50; drawing room, \$11.

Delegates from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to this special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join the special train at Toledo. The St. Louis people could come via Chicago and join this special train if they so desired, as the same rate would apply through Chicago as via the direct line.

G. K. Thompson, general agent passenger department, will accompany the party for the purpose of seeing that everything goes smoothly. For further information and reservation, address G. K. Thompson, 180 Clark street, corner Monroe (Telephone, Harrison 7600), or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

OBITUARY.

Henry J. Bowden.

Henry James Bowden, of Meigs street, Rochester, N. Y., died July 23. Mr. Bowden was born in Bedford, England, in 1848, his father, James Bowden, being an instructor in Modern school, where his brother now teaches, and came to this country to visit friends in 1871. After a short stay here he decided to remain, and entered into the nursery business with Chase Bros., with whom he remained 10 years before deciding to start a business of his own. He secured as a partner D. H. Patty, of Geneva, and the two men conducted a nursery business up to the present time. In 1873 Mr. Bowden married Elizabeth Jackson, of Auburn, and bought a home in Meigs street, where he lived for 37 years. His business associates knew him as a man whose fair dealing was not to be questioned and a person whose judgment was always to be relied upon. His success in business can be traced to his unswerving honesty and industry.

Miss Westman.

Miss Westman of the firm of Westman & Getz, Cleveland, O., died August 1. Miss Westman was at the store on Sunday morning, for the last time, and then only long enough to order some things for an early Monday morning job, as this firm never opened its store on Sunday. Her death was sudden and unexpected as she was feeling fine up to a very short time before she died. Miss Getz is in the east on her vacation, and was finally located and notified of the death of her friend and partner. C. B.

George H. Shepherd.

George H. Shepherd, Lamonte, Mo., widely known throughout the state as an authority on agriculture and horticulture, died July 20 at his home near here. He had been engaged in the nursery business here for 50 years. During the civil war he fought as a Union soldier.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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The Late Jean Soupert.

In the death of Jean Soupert, noted in THE FLORIST last week, the rose world lost one of its leading lights, a man of sterling qualities, always kind and considerate and ever ready to advise those seeking such from him. His life work among roses has given us many excellent varieties to commemorate his name and has built up a worldwide reputation for the firm of which he was the head. Now that he has passed away, the rose lovers have not only lost one of their most gifted leaders, but one whose place it will be difficult to fill. His personality and valuable work will long be cherished by his many friends, especially those who have ever had the pleasure of a personal acquaintance. It is now over 44 years since I had the pleasure of meeting him, yet I have a very pleasant recollection of the hours we spent together at one of the international rose shows in London. Correspondence of later years has always been of the most pleasant nature and always enthusiastic over the queen of flowers.

JOHN N. MAY.

THE twenty-first annual banquet of gardeners, florists and nurserymen, provided for in the will of Henry Shaw, founder of the Missouri Botanical Gardens, will be given at the Southern hotel, St. Louis, August 11, at 7 p. m.

American Carnation Society.

DIRECTORS' MEETING.

There will be a meeting of our board of directors, held at Rochester, N. Y., August 19, 1910. The time is set for 9:30 a. m. Much important business is to come before this meeting, and it is hoped that a good attendance will be present. Any members of the A. C. S. who are attending the convention, will be welcome at this meeting, and are urged to be present promptly.

F. BURKE, Pres't.
A. F. J. BAUR, Sec'y.

Society of American Florists.

TO THE MEMBERS:—

It has been thought desirable by many members that the annual meeting of the S. A. F. should be held during some spring month instead of as at present, during August. There have been numerous arguments presented in favor of the spring meeting among which are:

"The meeting will come at a season when stock in greenhouses is at its best and many profitable excursions may be made to the establishments at the place of meeting. Most stock is in poor condition for inspection during August.

"The meeting will come during a season when it will be more pleasant to transact business.

"The growers and exhibitors will be able to present more varied and better stock for your inspection.

"The change in planting season from September and October to July and August would make it more convenient to attend a spring meeting when things are moving smoothly."

In order to get some consensus of opinion as to the desirability of a spring meeting, so that it may be presented to the society, the executive board request that you give the matter your attention and fill out the enclosed card (card enclosed) and return it to the secretary. Kindly give this your immediate attention so that data may be secured before the meeting. Do it now, it is important. Answer "YES" or "NO."

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the roses, Dark Pink Killarney and Lady Cromwell, by A. N. Pierson, Inc., Cromwell, Conn., and the rose, Purity, by Hoopes Bro. & Thomas Co., of West Chester, Pa., become complete.

H. B. DORNER Sec'y.

July 28, 1910.

THE CONVENTION.

The twenty-sixth annual convention promises to be the best meeting ever held by the Society of American Florists. Preparations for the meeting and exhibition are rapidly nearing completion. C. H. Vick, superintendent of the exhibition, reports that most of the exhibition space has been taken and that the large hall with over an acre of

floor space will be filled. The modification of the rules applying to the signs will do much to make the exhibition beautiful as well as instructive and profitable. The public will be admitted each evening and on Thursday afternoon. An admission fee will be charged.

The sports committee reports that arrangements for the bowling and shooting tournaments on Thursday afternoon are also nearing completion. In this connection attention should be called to the rule that only members in good standing will be allowed to participate.

Friday is in the hands of the Rochester Florists' Club and a general good time is promised. To those who have been at Rochester before nothing need be said about the royal welcome awaiting them. All others should come and see for themselves. Bring your certificates and pins and they will be the open sesame for everything at the convention.

HOTELS AND RATES.

The following rates have been furnished to the secretary by the hotels listed below:

Seneca hotel (Headquarters) European.—Single rooms, \$1.50; single rooms with shower, \$2; single rooms with bath, \$2.50; double rooms with bath, \$4.

Powers hotel, European.—Single room with or without shower, \$1.50 to \$3; single room with tub baths, \$2 to \$4. Two or more in room at reduced rates.

Osborn house, American.—Rates from \$2.50 to \$3.50.

Hotel Eggleston, European.—For men only.—Single room without bath, \$1; single room with bath, \$1.50 to \$2; double room with bath, \$2.50 to \$3.

Hotel Rochester, European.—Single room, \$1.50; single room with shower, \$2; single room with bath, \$2.50 and \$3.

Canadian Horticultural Association.

Programme of the thirteenth annual convention to be held Wednesday, August 10, in the Carnegie library, St. Catharines, Ont.

OPENING SESSION.—2:30 P. M.

Address of Welcome.....
J. W. McBride, Esq., Mayor of St. Catharines

Reply

President's Address

.....H. E. Philpott, Winnipeg, Man.

Report of Secretary-Treasurer.

Report of Treasurer.

Paper—Carnations

.....C. H. Janzen, Berlin, Ont.

WEDNESDAY, AUGUST 10—7:30 P. M.

Discussion of President's Address.

Discussion of Values and the Future

of Cut Flowers and Plants at Holiday Seasons

E. J. Mepsted, Ottawa, and

Geo. A. Robinson, Montreal

Illustrated Lecture on Civic Improvement.....

Professor W. L. Hutt

Ontario Agricultural College,

Guelph, Ont.

Question Box.

Paper—The Trend of Horticulture in the Canadian West.....

.....H. L. Patmore, Brandon, Man.

Report of Judges of Trade Exhibit.

Paper—How Can the Agricultural College Assist Floriculture?.....

Professor W. S. Blair, Macdonald

College, St. Anne de Bellevue, Que.

Choice of Place for next meeting.

2 P. M.

Unfinished Business.

Paper—Retail trade of today—up-to-date.....

Miss Flora Scrim, Ottawa, Ont.

Paper.....A. M. Terrille, Calgary, Alta.

Election of Officers.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as foreman, all around florist and plantsman, where American Beauties are a specialty preferred.
Key 156, care American Florist.

Situation Wanted—T. D. Hatfield, of Wellesley, Mass. would like to find a place for his son, as assistant. He is 21 years of age, and has been employed on the Hunnewell estate three years. Private or commercial.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting, growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address
Key 144, care American Florist.

Situation Wanted—A farm manager with life-time experience, also thorough seedsman and expert in growing of seeds, is desirous to make a change; am acquainted with general farming and truck farming; first-class references as to business ability and character; besides salary a share of the net profit of the farm wanted.
Key 175, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board.
COLE BROS., Peoria, Ill.

Help Wanted—For Greenhouse work; three or four good potters. Apply to
BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—Good carnation grower; must be steady and reliable. Address
Key 176, care American Florist.

Help Wanted—Working foreman, married, for greenhouse establishment of 40,000 feet of glass, where roses, carnations, mums, palms, ferns, bulbous stock and general flowering and bedding plants are grown; must be a good grower and producer, also capable of handling help to advantage. Wages \$20.00 per week with 6 room house, all improvements; send copies of reference from places where previously employed and state age in first letter.
Key 162, care American Florist.

For Sale—Dwight Greenhouses; doing a large and profitable business; no competition; ill health.
DWIGHT GREENHOUSES,
Dwight, Ill.

For Sale—Active man capable of managing a florist and winter vegetable business, who can invest \$2,000, can hear of a good opening.
Key 173, care American Florist.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.
SUPERIOR MACHINE & BOILER WORKS
840-850 W. Superior St., Chicago.

For Sale—Well established retail florist business, greenhouses, store, two dwellings, all in good condition; good reason for selling. For further particulars address
Key 171, care American Florist.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00 cash.
Key 174, care American Florist.

For Sale—30,000 feet of glass in Illinois; steam heat; one-third built last year; stocked with roses, carnations, callas ferns etc.; wholesale and retail; doing a splendid business; 7 acres in fruit; dwelling house, 10 rooms, all modern improvements; tenement house, 6 rooms; artesian well, windmill and engine large barn and sheds, horse, cow, wagon, buggy and tools; about 100 chickens, room for 1000. Price \$21,000, one-third cash, balance easy terms.
Key 165, care American Florist.

For Sale—At great sacrifice, if taken by August 20. On account of poor health, am in the south. Place rented out: wish to sell. Lot 4 x 12 rods, on which stand modern eight-room dwelling, 2,500 ft. greenhouse, and barn; lot adjoining two-thirds of an acre. All buildings electric lighted, city water, hot water heat. Price: \$600 down; balance, \$1,900, on easy terms or discount for cash. Located in lively place in southern Michigan, two and one-half blocks from main street, on best residence street. Address
C. I. POOR, Eureka Springs, Ark.

Wanted to Lease—With option to buy, retail greenhouse establishment; south or southwest preferred. Have \$4,000.00 cash to invest in good proposition; no out-of-date, tumbled-down place wanted. Don't answer this unless offer will stand close investigation. Address
Key 172, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED.

Assistant foreman in a large nursery in western New York. Must be experienced and able to handle men. State age, salary, experience and references.

Key 177, care American Florist.

FOR SALE.

At a Bargain

Greenhouse and business; 6000 feet of glass in town of 7000. No other greenhouse within fifty miles. Good trade. Address

J. H. FREEMAN,
437 D Street, SALIDA, COLO.

WANTED.

We want a florist for our cut flower department; must be a good decorator, designer and hustler, and not afraid of work; must furnish first-class references.

The Texas Seed & Floral Company, Dallas, Tex.

GROWER

Would like to hear from firm (doing catalogue trade preferred) that has an opening for a man with an extensive knowledge of the business and would give part interest; limited capital.

Key 170, care American Florist.

Wanted at Once.

Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of herbaceous perennial grounds. State particulars and send references.

SOUTHWORTH BROS.' NURSERIES, Beverly, Mass.

Wanted at Once

An Experienced Young Lady Designer and Decorator.

Good salary will be paid to a first-class artist and saleslady, who must come well recommended. No others considered. Address

JOHN MANGEL,
Cor. of Wabash Ave. and Monroe St., CHICAGO

FOR SALE

Two No. 2 Morehead steam traps in good working condition; price, \$45 each. One fire box hot water boiler, capable of heating 6000 feet of 4-inch pipe, used 4 years, new flues, complete with grates and smoke box; price, \$225. F. O. B. here.

GEORGE REINBERG,
51 Wabash Ave. CHICAGO.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

FOR SALE

Greenhouse plant of two greenhouses 60 by 20; one 15 by 30; one 10 by 12. Heated by steam and with all modern appliances for an up-to-date florist business. Located on electric car line, and in immediate vicinity of the Samoset Hotel, the largest and most complete summer hotel on the Atlantic coast. The dwelling house has nine rooms heated by steam, electric lights, and modern in all respects: stable, carriage house, and three acres of land. Must be sold at once to settle estate of owner recently deceased. The business is alive and conducted by widow of the deceased. Price \$7,000, a part of which can remain on mortgage. Address E. B. MCALLISTER, Attorney-at-Law, Rockland, Maine.

THE ANNUAL MEETING of The Florists' Hail Association

Will be held at Conventional Hall, Rochester, N. Y., on Thursday, Aug. 18th, at 9 a. m.

JOHN G. ESLER, Sec'y.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 14, 1910.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Power's Hotel, Rochester, N. Y., Wednesday, Aug. 17, 1910, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Poehlmann's Flowers

Our flowers are the best. There is no doubt about this. All who have had dealings with us know that we are always here with **QUANTITY** and **QUALITY**. Why go on dealing with second-rate firms and commission agents while we are offering the products of the "Largest and Most Up-to-date Greenhouse Plant in the World" shipped direct?

CHOICE HOME-GROWN

Orchids

A Specialty

VALLEY and HARRISII

Lilies

All the Year Around

All classes of

GREENS

including the best in **Smilax**,
Asparagus and **Ferns**.

From the American Florist, July 16, 1910

A word is in order here as to the way the cut flowers are handled which probably accounts for the excellent manner in which the stock arrives at the store. The flowers are cut twice daily and are placed in the cooling rooms for about four hours, just long enough for them to lose the greenhouse heat. They are then packed expeditiously and shipped by express to the store where they arrive in the very best possible condition. Here John Poehlmann takes hold, and any long distance shipments that have to be made are packed at once and leave by the quickest route, insuring their arrival in good shape even in the hottest weather. The wonderful growth of this business is a great tribute to the skill and energy of the Poehlmann brothers, one and all, and shows what great things can be done when the facilities for doing business are there and plenty of the right kind of help to keep things moving.

Beauties

from special stock grown
for summer blooming.

**Killarney, White Killarney,
My Maryland and Perles**

The finest in this market.

CARNATIONS

in all leading varieties—
plenty of white.

Yellow Chrysanthemums

Fine clean stock.

POELHMANN BROS. CO., 33-35-37 RANDOLPH STREET, **Chicago**
OFFICE AND SALESROOM:
LONG DISTANCE PHONE, RANDOLPH 35.

Chicago.

TRADE ERRATIC.

"There is no knowing how business will be from day to day," was the way one of the prominent wholesalers sized up the situation at the latter part of last week. There are days that would be fairly good ones even in a busy season and stock of all kinds cleans up well, while possibly the next day stock will lay on hand. There is a disposition, both among growers and commission men, to clear out if anything like a fair offer is made for stock, and we think they are quite right. Roses and other flowers that look fairly well on the day they are cut, fly open and look very ragged if they have to be kept until the next day or the day after, and it is more satisfactory in every way to get rid of the flowers day by day than to keep them hanging around with the idea of getting a little more for them, only to be obliged to sacrifice them at the last or throw them away. In winter, when there is plenty of substance in the flowers and the weather is cool, a couple of days makes little difference in the quality of the best grades of stock, but now the weather is all against the stock in the greenhouses, making the flowers thin and with few petals and they do not last many hours. Shipping trade keeps up remarkably well and there have been several funerals of prominent people during the week that have caused quite an exceptional demand locally.

As to the quality of the roses and carnations this is at least as good as could have been expected when the great heat is taken into consideration. Killarney has been more plentiful again this week, while White Killarney, although plentiful, has shown too much color to be really satisfactory. We noted quite a few Brides from young stock, but the flowers are not so good as the growth would indicate, the great heat having rushed the flowers out too

rapidly. Beauties have been on the scarce side several days, while other days they have been plentiful. The young plants still produce finer flowers than old stock. Carnations are all out of character and but the shadow of what they are in their proper season, yet they sell up fairly clean and, owing to the scarcity of good asters, retailers are glad to get them. There are some good asters and their quality generally has improved this week. Hardy plants, such as coreopsis, gailardias, candytuft and others are in, but do not cause much enthusiasm. Orchids are still scarce. Easter lilies, Rubrums and Auratums are at least equal to the demand, as is valley. Gladioli are very plentiful and of varying quality, the amount of poor stock in the market having, unfortunately, the effect of lowering the price of the really good stock, of which quite a little is seen. Green goods are plentiful, common ferns improving right along, while there is enough of adiantum and the different varieties of asparagus to meet all demands.

NOTES.

One of the leaders at Poehlmann Bros. this week was a fine showing of indoor grown asters. The colors are rich and varied, the flowers good and altogether they formed a striking contrast to the stock that is shown at most places around the market. The Beauties still come remarkably fine here, indeed, all the roses are extra good for the season and there are plenty of them. We think we are quite safe in saying that there are no better carnations coming to this market now than those this firm is shipping from the greenhouses and they show the skill of the growers in being able to hold such quality through this tropical weather. Chrysanthemum Golden Glow is also a special line here.

The Fleischman Floral Co. is nothing if not progressive and another of the fine automobiles, built exactly the

same as the first, is now being used while others are under consideration. A new ice-box to cost \$1,500 is to be installed at once, the work of the Brunswick-Balke-Collender Co. of Wabash avenue. This will be 20 feet long and will be used for orchids, violets, valley and other corsage flowers entirely, the present box being retained for the ordinary rose, carnation and other stock. Funeral orders have been very heavy here of late.

The Geo. Wittbold Co. has extra fine stocks of Boston ferns just now and all the plant stock is in fine shape. Kentias and other palms are here in various sizes and there are big stocks of decorative subjects of all kinds. A new 1-ton automobile truck for delivery has been put on the road and Louis Wittbold is considering the installation of others. This firm is going more largely into orchids, big stocks of cattleyas, phalænopsis, dendrobiums and others being seen in the Buckingham place greenhouses.

John Zech of Zech & Mann has been getting a siege of rheumatism, but is sticking to work. Trade keeps up very well here and we noted exceptionally good stock of roses, lilies and gladioli. John is a hustler and his prompt personal attention to orders and the good stock handled have their reward in plentiful orders. Fred Ottenbacher of the staff here is on his vacation.

Hoerber Bros. are now receiving more stock from their Desplaines greenhouses, especially some fine Killarney roses. The new houses are nearly finished and plenty of water has been struck in the artesian well.

Robt. Northam of the Geo. Reinberg force has returned from his Michigan trip looking well. He says the fruit crops are very poor in the sections he visited.

John Staritt says that at least 1,500 guests are expected at the La Salle hotel next week and he is looking forward to a busy time.

Summer Flowers

AM. BEAUTIES, Per doz.
 24 to 30 in.....\$2 00 to \$2 50
 15 to 18 in.....1 50
 12 in.....1 00
 Short stems per 100, 4 00 to 6 00

ASTERS, according
 to size.....per 100, \$2 00 to \$4 00

HARRISII LILIES.....per doz., \$ 1 50
 ".....per 100, 10 00

**Maryland, Richmond, Killarney,
 White Killarney, Kaiserin.**

Per 100
 Good lengths.....\$6 00
 Good short lengths.....2 00 to 3 00

Medium lengths.....4 00

Extra select **Kaiserin**.....8 00

ROSES, our selection... 2 00

Lily of the Valley.....per 100, \$3 00

Asparagus.....per string, 60
 " Sprays per 100, \$3 00 to 4 00

Sprenger.....per 100, 2 00 to 3 00

Ferns.....per 1000, 1 50

Smilax.....per doz., 2 00

Adiantum.....per 100, 1 00

Galax, green.....per 1000, 1 00

" **bronze**.....per 1000, 1 00

PLEASE SEND YOUR ORDERS EARLY

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

WE ARE THE BIGGEST

Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties, Per doz.
 Long stems.....\$3 00
 30-inch stems.....2 50
 24-inch stems.....2 00
 20-inch stems.....1 50
 15-inch stems.....1 25
 12-inch stems.....1 00
 Short stems.....\$4 00 to \$6 00 per 100

Per 100
Richmond, select.....\$6 00
 medium.....\$4 00 to 5 00

Per 100
Killarney, select.....6 00
 medium.....4 00 to 5 00
Mrs. Marshall Field, select.....\$6 00
 medium.....\$4 00 to 5 00
Bridesmaid.....4 00 to 5 00
Bride.....4 03 to 5 00
My Maryland, select.....6 00
 medium.....4 00 to 5 00
Chatenay.....5 00
Ivory.....5 00

Per 100
Carnations.....\$1 00 to \$2 00
Asters.....2 00 to 3 00
Valley.....3 00 to 4 00
Easter Lilies.....per doz., 1 50
Asparagus Plumosus,
 extra quality.....per bunch, 35 to 50
Fancy Ferns.....per 1000, 1 50

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St., CHICAGO.

Fred Sperry of Vaughan & Sperry is still away on his vacation, L. A. Vaughan being back at the seat of war. Orders are coming in freely and we noted some of the best outdoor asters we have yet seen at this store. Beauties and other roses, gladioli and lilies are other specialties here.

John Canger, of Canger & Gormley, is away in Colorado on his vacation, having started on Monday. He intends taking in all the principal western points before returning. The Kohl-saat wedding decorations recently carried out by this firm were a great success.

Peter Reinberg returned from his western trip on Friday looking as if it had done him good. Great quantities of stock continue to arrive here, the roses being exceptionally good for the season. John Loser of this firm's staff is away on a two weeks' vacation.

J. F. Risch is back from his vacation, which he spent in fishing, boating and other ways of resting up. He says he feels much better for the rest and he certainly looks fine.

A purple gladiolus, called Amethyst, is being handled exclusively by the J. B. Deamud Co. It is a pleasing



ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.**

Send for Quotations.

CHAS. W. McKELLAR
 51 Wabash Avenue.
 CHICAGO.

We Can Take Care of All Orders

On Seasonable Stock Very Satisfactorily.

	Per 100		Per 100		
Asters.....	\$1 00	\$4 00	White Killarney.....	\$4 00	\$8 00
Killarney.....	3 00	6 00	My Maryland.....	4 00	8 00
			Carnations.....	\$1 50	\$2 00
			Gladolus America and		
			Augusta.....	4 00	5 00

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

shade of purple and likely to become very popular.

Leopold Koropp, 4509 Evanston avenue, has been very busy with funeral work. On July 17, a number of designs were delivered to 965 Gault avenue, where the funeral of Miss Sedwick took place. Miss Sedwick was engaged to be married, and drowned while bathing a few days before the wedding was to take place. The flowers that were intended for the wedding were instead sent to the funeral, among which was a shower bouquet of lily of valley that was ordered by the intended husband. A casket piece of smilax, lily of valley and white sweet peas was delivered to the Middleton residence where the funeral of their 17-year-old son was held last week. This young man also drowned while bathing.

At the adjourned meeting of the Horticultural Society August 2, C. L. Hutchinson was elected president, taking the place of the late Wm. E. Kelley. The First Regiment Armory, Michigan avenue and Sixteenth street, has been favorably reported upon for the flower show next November, the Coliseum being taken for another event, and it is probable that the former building will be engaged. The armory is somewhat smaller than the Coliseum but in location and other respects it is a very desirable place for a flower show.

S. Dysinger, of Holm & Olson, St. Paul, Minn., was a visitor this week enroute to his old home at Lockport, N. Y., where he will spend a brief vacation and go on to the Rochester convention. Mr. Holm, of this firm, will also attend the convention and Mr. Olson will be in this city next week for the Knights Templar convclave.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, Thursday, August 4, at 8 p. m. This will be the most important meeting held for a long time and every member should make a strenuous effort to attend as it means much to him either as employer or employee.

Bassett & Washburn continue to receive fine American Beauties and all the other summer roses are good, also lilies which are arriving in plenty. Mr. Washburn is very well pleased with the condition of business and says they clean up well daily.

Geo. Fisher, buyer for the H. A. Fisher Co., Kalamazoo and Battle Creek, Mich., and Rocklin & Lehman of Sioux City, Ia., has gone to Kalamazoo, his place being taken by his brother, Hermann.

At E. H. Hunt's stock is cleaning up regularly and the quality is very good for the season. We noted some fine lupins here in various colors which make a pleasing variety in the outdoor stock.

John Mangel has been extremely busy with funeral and other work, and it is a fairly good sign of the times when a retailer is looking for additional help in August which Mr. Mangel is doing.

Joe Craig started July 28 for an extended western trip accompanied by his

son and daughter. Vancouver, B. C., is the first coast point from which the party will go to many others.

Ed. Bertermann of Indianapolis, Ind., has been in town this week attending and superintending the wedding of his niece, Miss Bessie Atkinson, which took place on Tuesday.

At Kyle & Foerster's we noted some very distinct and good gladioli of the Lemoinei type (yellow ground), also extra fine Mrs. Francis King, America and others.

Business keeps up well at Wiator Bros. Nic Wiator, John Sinner and other friends are going to Wisconsin for a fishing trip, starting on Monday.

A. Miller, formerly with the W. W. Barnard Co., is now with S. S. Skidelsky of Philadelphia.

E. H. R. Green, son of Hetty Green, will reside in this city hereafter, according to report.

Visitors: Henry Gaethje, Rock Island; W. D. Wirt, Parsons, Kans.; Frank E. Rue, Peoria.

Pittsburg.

Business has picked up a little since last writing. Good stock is very scarce. Asters are coming in very plentifully but are of poor quality. If rain is delayed much longer, outdoor stock of all kinds will be a total loss. Quantities of fine lilies are seen.

At Randolph & McClement's stores, East End, we find novel window decorations. The Baum street store has a circular lily pond with spraying fountain in center, the outer edge forming an automobile speedway, lighted up with miniature electric lights. Eddie Weaver is responsible.

At the Penn avenue store the center of attraction is a self-feeding art glass fountain, the standard being lighted, reflecting the beauty of the glass, the center revolving while the water plays over it. The fountain is set in the center of a small lake of water lilies.

Norval Kiger and wife of Marietta, O., were visitors in town last week. They report business much better than last year at this time. Other visitors were M. Dilloff, of Schloss Bros., New York; S. Wertheimer, New York; W. A. Cogill, Salem, O.; John Weiner, Verona.

A. M. Murdoch, who has conducted a floral store on Fifth avenue for the past 15 years, has announced he has rented his building and is going to retire. Mr. Murdoch has been in the flower business in this city 36 years.

Chas. Erhardt, North Side, reports business a little slow in the market house.

Miss McKinley, of Randolph & McClement's, is spending her vacation in Ohio.

Edward Neigle, of the McCallum Co., is spending a couple of weeks at Mercer.

John Baldinger is said to be very ill.

Southern Illinois and Rochester.

The following letter has been sent out by F. J. Ammann, president for Illinois, south, of the Illinois State Florists' Association to members and others in northern Illinois:

EDWARDSVILLE, ILL., Aug. 1, '10.

As vice president for Illinois, south, I beg to invite you to join us on the delightful trip to the S. A. F. convention at Rochester, August 16 to 19. The official route will be the Big Four, leaving St. Louis, Union station, on the celebrated Knickerbocker special at 1 p. m., Monday, August 15. The special Pullman provided for the party will be fully equipped and arrive in Rochester at 9:20 Tuesday morning. The fare for the round trip from St. Louis to Rochester and return, including thirty (30) day stop-over when and where desired is \$23.16 aside from sleeper reservation, which is \$4 each way. For further information write or phone. J. F. AMMANN.

Detroit.

The regular meeting of the Florists' Club held on Monday evening, August 1 was fairly well attended though the night was stormy. The event of the meeting was the annual election of officers and resulted as follows:

George Browne, president.

Herman Knope, vice-president.

Hugo Schroeter, secretary.

Peter Rohaley, treasurer.

Vice-President-elect Herman Knope extended an invitation to the club, which was accepted, to hold the next meeting on the lawn adjoining his residence on Mock avenue. The date of this meeting is changed to Monday evening, August 29. Besides the installation of the new officers there will be many special features of interest at this meeting. State Vice-President M. Bloy of the S. A. F., urged the members to attend the annual convention at Rochester, N. Y. It was ascertained that quite a party will leave from here, and members from other parts are cordially invited to join the Detroit delegation, which will leave here Monday evening, August 15 at 5 o'clock on the boat Western States arriving at Buffalo at 9 o'clock next morning connecting with the N. Y. C. R. R. train leaving there at 10 o'clock arriving at Rochester 11:30. The fare one way including berth on boat is \$6.73. No advantage is given by purchasing return ticket. M. Bloy will secure berths on boat for all who elect to go by this route. His address is 880 Van Dyke avenue.

The club will hold its annual summer outing at Bois Blanc Island Friday, August 5. Boat leaves foot of Bates street at 8:45 a. m. The entertainment committee, J. K. Stock, chairman, is making efforts to provide an interesting and variable programme of events for the day including a ball game that will be most spirited. Many prizes are offered and a full attendance of club members is expected with their friends.

Cut Flowers * * * E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO
Long Distance Phone Central 3155.

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market

60 Wabash Ave., CHICAGO.
A Few Desirable Stands For Rent.
See JOHN SINNER, Manager.

The Illinois State Fair.

Quite a number of excellent prizes for floricultural exhibits are again offered at the Illinois State Fair which will be held at Springfield, September 30 to October 8. Robt. O. Dwyer, Monroe and Desplaines streets, Chicago, is the superintendent of this section and will give all necessary particulars. In the open classes for professionals and amateurs \$240 are offered for premiums for a collection of stove and greenhouse plants to cover a space of 200 square feet and there are many prizes, proportionately good, for palms, cycads, araucarias, crotons, ferns and other decorative stock. The first prize for 50 American Beauty roses is \$40 while there are others ranging from \$35 to \$12 for other popular varieties. Dahlias, gladioli, hardy perennials, asters and miscellaneous flowers are well provided for and there are about a dozen good classes for carnations. The retail trade will be interested in the excellent prizes offered on Tuesday, October 4, for standing wreaths, wreath on easel, floral arrangements and dinner table decorations, all of which are well worth competing for and should bring out a strong competition. Then there are numerous classes for baskets of popular flowers such as roses and chrysanthemums, bouquets of various kinds and

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE GROWER OF CUT FLOWERS

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Aug. 3.	
Roses, Beauty, extra select...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select...	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@10 00
" Mrs. Jardine.....	3 00@10 00
" Chatenay.....	2 00@10 00
" My Maryland.....	2 00@10 00
" Perle.....	2 00@10 00
" Richmond.....	3 00@10 00
" Uncle John.....	3 00@10 00
" White Killarney, select.....	4 00@10 00
" " medium.....	2 00@ 3 00
Carnations, select fancy.....	2 00@ 3 00
Asters.....	2 00@ 2 50
Chrysanthemums.....per doz.,	4 00@ 6 00
Lilium Harrison.....per doz.,	2 00 10 00@12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100.	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns.....per 1000.	2 00
Smilax.....	1 50@ 2 00

the usual accessories. There is also a long list of plant and cut flower premiums for amateurs. The open classes are to be staged and ready for the judges by 2 p. m. on Monday, October 3, the roses, carnations, miscellaneous flowers and design work by 1 p. m., October 4, those in classes 2 and 3 by 2 p. m. on Wednesday and the renewal class by Thursday at 10 a. m. There should be a far better competition at this exhibition than has formerly been the case as the prizes are good and it will form a splendid advertisement for retailers and the trade generally.

ADRIAN MICH.—Elmer D. Smith is away on a fishing trip.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave.. CHICAGO.



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. CHICAGO.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

MASON CITY, IA.—The Mason City Floral Co. has moved from the basement of the Times building to a room on East Fifth street.

CANTON, O.—At a recent meeting of the Stark County Horticultural Society fruit prospects in the county will probably be 10, peaches 40, plums with probably 10, peaches 40, plums 25, pears 40 and grapes 40 per cent of a normal crop.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

11 Mian Street,

CINCINNATI, OHIO.

St. Louis.

STOCK SCARCE.

The past week flowers have been very scarce. On Sunday morning there was a demand and but little to fill it with. Carnations coming from the field are very small and those from inside are about done; nearly everybody has thrown them out. A few tuberose have appeared. Asters are improving. Roses are small. Some finely colored Killarneys are in but they open up quickly. White Killarney is bought up and used in funeral work. Some good Asparagus plumosus and A. Sprengerii are in and clean out well. American Beauty roses seem to be somewhat scarce, but the new summer crops are coming and these will be in most likely with enough to go around.

NOTES.

The W. C. Smith Wholesale Floral Co., has leased the entire building at 1316 Pine street, and after the removal of the other tenants, will start to pull down and entirely remodel the building. The ground floor will be occupied by the cut flower department, the second floor with florists' supplies and third floor with the wire department. When completed the store will be one of the best furnished in the city. This firm handles a very large portion of the flowers consigned by the Kirkwood contingent. Will Osseck and Will Smith comprise the firm. Courteous treatment and strict attention to business have put these boys where they now are.

Oscar C. Kuehn, official photographer and manager of the W. C. Smith Wholesale Floral Co.'s wire department, left Saturday for Detroit to visit his grandparents. He will go to Chicago and thence to Milwaukee, returning in 10 days. Frank Windler has gone to Arcadia where he will spend his vacation. Frank is head salesman here.

Geo. Madsen of Alton, Ill., was in the city this week buying supplies. He is building four new houses for roses, carnations and bedding stock.

H. G. Berning and wife, and Will Osseck will attend the Rochester convention.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	BOSTON, Aug. 3.	Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	15 00@20 00	
" " culls	5 00@10 00	
" " Bride, Bridesmaid	1 00@4 00	
" " Extra	5 00@8 00	
" Killarney and Richmond	1 00@6 00	
" My Maryland	1 00@8 00	
" Carnot	2 00@12 00	
Carnations, select	75@1 00	
" fancy	1 00@2 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@4 00	
Smilax	12 00@16 00	

	ST. LOUIS, Aug. 3.	
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	2 00@5 00	
" Killarney	3 00@5 00	
" My Maryland	3 00@5 00	
" Richmond	3 00@6 00	
Carnations	1 00@1 50	
" fancy	1 50	
Callas	8 00@10 00	
Easter Lilies	6 00@1 00	
Sweet Peas	20@1 50	
Adiantum	1 50	
Asparagus Sprengerii	2 00@3 00	
Smilax	12 50@15 00	

	CINCINNATI, Aug. 3.	
Roses, Beauty	1 00@3 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Golden Gate	2 00@6 00	
" Killarney	2 00@6 00	
" Richmond	2 00@6 00	
Carnations	1 00@2 00	
Callas	10 00	
Daisies	50	
Lilium Album and Rubrum, per doz.	50	
Lilium Auratum, per doz.	1 50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengerii, per bch.	25	
Smilax	12 50@15 00	
Gladioli	3 00@4 00	

	MILWAUKEE, Aug. 3.	
Roses, Beauty, per doz.	50@3 00	
" " Bride, Bridesmaid	3 00@6 00	
" " Killarney	3 00@8 00	
" " Richmond	3 00@6 00	
Carnations	2 00@3 00	
Asters	1 00@2 00	
Gladioli	5 00@6 00	
Lilium Gigantum, per doz.	1 50	
Lily of the Valley	3 00@4 00	
Magnolia	35	
Snappdragon	2 00@4 00	
Sweet Peas	25@50	
Adiantum	1 50	
Asparagus, per string	50@60	
" Plumosus, per bunch	35@50	
" Sprengerii	35	
Ferns, Fancy, per 1000	1 50	
Galax, per 1000	1 50	
Smilax, per doz.	1 50	

A very severe wind and thunder storm broke over the city July 25. The wind swept with a force of 54 miles an hour. Reports from the country of fallen trees are many. Considerable damage was done at Shaw's Garden and at the public parks by falling trees.

The Bentzen baseball club, feeling sore at the defeat handed them by the Sanders nursery team, are trying to get a return match. The Sanders team keeps up a stiff upper lip and

—THE—
J.M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones,
Supplies and Everything in Season always on hand

demands that the Bentzen team show that they can first beat somebody.

The Kirkwood boys are coming in with gladioli and a few carnations. The greater portion, however, are resting some, taking care of their violet plants. Kirkwood is the violet belt, the winter supply coming almost entirely from this locality.

Fred Alves has been making frequent visits to Young & Sons Co.'s greenhouses lately. There surely must be something that attracts. Fred Young & Sons' matrimonial bureau is still open, a branch at the greenhouses.

Charlie Young, son of Jim Young, will take a vacation. He expects to go to the lakes. Charlie has worked steady and needs a rest. His wife and young son will accompany him.

Mrs. Ayres reports trade as very good for this time of year. She has built up a splendid trade and her motto has been quality at all times.

Will Dee, manager of the plant department of Young & Sons Co.'s retail store will go on his vacation next week.

W. F.

The Greatest Convention of Them All at Rochester, New York

— SO WILL —

The Florist Supply House of America

Have the Greatest Display Ever Made at a Convention

It will be a treat to you to look it over. All attractive goods for florists to be interested in.

Latest Up-to-Date Novelties Will Be Shown

You will want them. A large corps of salesmen will be present to wait on every one.

H. BAYERSDORFER & COMPANY

1129 Arch Street,

PHILADELPHIA, PENNA.

BRONZE GALAX \$1.00 per 1000 \$7.50 per case

An important item every retail florist uses. You will always find **OUR GALAX** the best in quality. Be convinced of the good value we can give you in **GALAX** by placing **YOUR NEXT ORDER WITH US.**

THE LEO NIESSEN CO.. Business Hours: 7 a. m. to 6 p. m.
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Philadelphia.

TRADE SLOW.

The great heat and drought from which this city and vicinity have suffered for some weeks was, in a measure, broken on July 30. There was a heavy shower in the morning, but before noon the clouds broke away and humidity ran high. Late in the afternoon there was a sharp thunderstorm with heavy rain for about a quarter of an hour; after this passed, the air grew cooler, better conditions prevailing throughout the night and July 31. Throughout the week the cut flower trade was about as slow as it could be without coming to a complete standstill. Funeral work was about all that kept anything moving. The one desire of the great majority of the people was to try for relief from the heat. Practically all who could get away left the city, seeking seaside or mountain breezes, and this included a number of men in the trade. Much of what stock arrives is of indifferent quality, but there are some very fair roses and lilies. The rain will certainly improve the quality of asters and other outdoor stock.

FLORISTS' CLUB MEETING.

The monthly meeting of the Florists' Club held August 2 was fairly well attended. George C. Watson acted as secretary in the absence of David Rust, who had the misfortune to sprain his ankle. Convention matters came up for discussion and it was decided to go via the Lehigh Valley railroad, leaving the Reading terminal at 10:30 a. m., Monday, August 15. The round trip fare is \$13.65. Those intending to go should notify John Westcott at once and get the benefit of the private car without extra charge. Robert Kifts' address on "The Mission of the Trade Paper" was well received and he was given the thanks of the club. The subject for the next meeting will be

Wholesale Flower Markets

PHILADELPHIA, Aug. 3.		Per 100
Roses, Beauty, extra.	20 00	25 00
first.	10 00	15 00
Brides and Maids.	1 00	5 00
Killarney.	1 00	6 00
White Killarney.	1 00	5 00
Carnations.	2 00	3 00
Asters.	75	2 00
Cattleyas.	40 00	50 00
Gladioli.	2 00	6 00
Lilium Harrisii.	6 00	8 00
Lily of the Valley.	2 00	3 00
Snapdragons.	4 00	12 00
Sweet Peas.	25	50
Adiantum.	75	1 00
Asparagus.	per bunch	50
Smilax.	15 00	20 00

PITTSBURGH, Aug. 3.		Per 100
Roses, Beauty, special.	12 00	15 00
extra.	8 00	12 00
No. 1.	4 00	6 00
Bride, Bridesmaid.	1 00	4 00
Chatenay.	1 00	4 00
Killarney.	1 00	4 00
My Maryland.	1 00	4 00
Richmond.	1 00	4 00
Carnations.	1 00	2 00
Asters.	1 00	2 00
Gladioli.	2 00	5 00
Lilium Longiflorum.	6 00	8 00
Lily of the Valley.	3 00	4 00
Sweet Peas.	25	50
Adiantum.	75	1 50
Asparagus Sprengeri, per bunch.	50	
strings... per string.	50	
sprays... per bunch.	50	
Smilax.	15 00	

reports of the convention from those who were there.

NOTES.

At the W. K. Harris range there may now be seen a great display of fine plants. Noteworthy are several houses filled with Scottii ferns, a number being very large specimens. Another feature is large gardenia plants in 12-inch pots; crotons, Pandanus Veitchii and a good general line of foliage plants and hardy roses may also be enumerated.

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURGH, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURGH, PA.

I Wish to Announce

my retirement from business and to thank the trade for the many courtesies conferred. Very gratefully,

A. M. MURDOCH, Florist,
Pittsburg, July 30, 1910. 250 Fifth Ave.

Emil H. Greschik of Johnson, Jr., Germantown, sails on Monday next for Europe, to visit Leipsic and other German cities.

New York.

TRADE FALLING OFF.

Market conditions for the past week were not quite as good as those of the previous one. The long drought is now becoming a serious menace in this section, all outdoor stock is suffering severely and if we do not get rain pretty soon there will be little stock left to ship to the city. Roses are coming in lighter every day and in very poor condition, and although scarcer than last week, are not bringing as much money, there being no demand for them. A few carnations are coming in, but so poor they are hardly worth mentioning. Asters can be had at buyers' prices and are very poor, while gladioli are bringing from 50 cents to \$2 per 100. A few chrysanthemums have been noticed already but are quite small yet. American Beauties, like other roses, are arriving in smaller quantities every day, while prices are not as high as the previous week. Orchids remain about the same, bringing from 35 to 65 cents each and in rare cases for exceptionally good ones 75 cents. The intense heat and long drought seems to have caused a general stagnation in the market particularly the last few days which is even worse than is to be expected at this season of the year.

NOTES.

Frank H. Traendly, chairman of the transportation committee of the Florists' Club, reports that the number of applicants for the special train to the Rochester convention by far exceeds that of any previous year. Quite a number of these have never, to his knowledge, attended an S. A. F. convention before. The trip promises to be a delightful one over the picturesque Lehigh Valley R. R. with a stop of about one hour at Glen Summit Springs, where as guests of the transportation committee a full course dinner will be served at the hotel. Advise Mr. Traendly, 131 West Twenty-eighth street, as soon as possible if you intend going so that provisions can be made for your comfort. Everybody who can possibly get away should take advantage of this splendid trip. A good time is promised.

The tranquility of Twenty-eighth street was again disturbed on Monday by a rather serious accident. A large scaffold in front of 45 West Twenty-eighth street which has been leased by the Russin & Hanfling Co., florists' supplies, and is undergoing extensive alterations gave way, falling over in the street and burying a horse and wagon and two men under it. Both men were badly bruised but the horse was uninjured.

A. Moltz & Co., Coogan building, are enlarging their place to accommodate their ever increasing business. This firm is strictly a jobber and does not receive any consignments from the growers, buying all stock and selling strictly to the retail florist trade. They are to be congratulated on their enterprise. Mr. Moltz having been in the florist business for the past 25 years.

Phil. Kessler and party of friends, namely John Donaldson, Wm. H. Siebrecht, Sr., Phil. Einsmann, John Mieser and H. Siebrecht will leave the Coogan building Saturday, August 13, at 9 a. m. for the convention, going all the way from this city to Rochester by automobile and expecting to arrive there Monday afternoon.

Andrew Wilson of Summit, N. J., whose domestic troubles have been exploited so much in the daily press, has sold his flower store in Summit, N. J., and will go on the road promoting the new Wilson, Hoyt & Co. patented concrete bench; he has the sympathy of the trade in his trouble.

The Smart Set Floral Co. reports an unusually busy week, having had over \$500 worth of work for one funeral.

This firm has secured the contract for planting the window boxes of the entire building and also palms, etc., for the interior of the Hotel Madrid.

Ralph Aims with Hoffman of Boston is making the best of his month's vacation, having spent one week at Atlantic City, N. J., and another at Philadelphia with relatives, and is winding up with a two weeks' stay in this city amongst old friends.

P. R. Quinlan, Syracuse, is spending a few days in this city, leaving Thursday night on an extended tour through the south and southwest as far as Oklahoma, and expects to be back in time for the convention at Rochester.

S. Lum, the rose grower of Chatham, N. J., was in this city Wednesday and states that he is going out of the growing business shortly to embark in a new enterprise in Virginia.

A. Beauplan, proprietor of the Forster & Mansfield Co., will entertain a party of friends for a week on Long Island Sound in his 35-foot auxiliary sloop yacht Chanticleer.



A. Moltz.

M. C. Ford has now completed the interior fittings of his new store, which if not the largest is certainly one of the most elaborately fitted up stores in the wholesale section.

Chas. Haberman, wife and family, 2668 Broadway, are spending the summer camping at Hick's beach, Clason Point.

Henshaw & Fenrich and party of friends will visit the convention, going from this city to Rochester in an auto.

Phil. Kessler is back after a combined business and pleasure tour through Massachusetts and Maine.

D. Lales, 2556 Broadway, is spending the summer in Greece, and will be back about September 1.

Moore, Hentz & Nash are receiving a number of cattleyas from Theo. Moore, Chatham, N. J.

P. Smith, John Raynor's successor, reports receiving as high as 9,000 lilies a day.

The following are the Long Island Florists' Club bowling scores July 26:

						Av'ge.
Donaldson	199	145	161	168	203	177
H. Siebrecht	122	181	155	138	161	151
Kessler	164	176	140	102	153	147
Wm. Siebrecht	113	146	148	141	122	132
Einsmann	135	141	128	154	136	138

DAYTON, O.—The Miami Floral Co. has increased its capital stock from \$50,000 to \$75,000.

Buffalo.

FUNERAL WORK PLENTIFUL.

The weather the past week was variable, the extremely warm weather cooled by a good rain, and now it is much cooler. Stock remains about the same as to quality and supply. Sweet peas are a little longer owing to the rain. Trade is as good as can be expected for now. Funeral work was quite good last week.

The event of the season was the annual outing of the Florists' Club, which took place at Fort Erie Grove, a delightful spot on the Canadian shore, which has been entirely changed the past year with improvements constantly being made. All sports were in the mammoth stadium which is as large as the one at the Pan-American.

Boy's race, 100 yards.—Jimmie Zimmerman, first; J. Sautner, second; J. Voll, third; Elmer Neber, fourth.

Young men's race, 100 yards.—R. Kinkel, first; Roeder Kinkel, second; T. Tobin, third; R. Klokow, fourth.

Quarter-mile walk.—Revere Kinkel, first; Arthur Hey, second; Russell Mark, third; E. Stuntz, fourth.

Ladies' race.—Miss Jensen, first; Mrs. Smith, second; Miss Berner, third.

Tug-of-war, Store vs. Greenhouse.—Won by the storemen after a hard pull.

Children's race, under 12 years.—Vertie Slattery, first; Bertha Slattery, second; Henry Longley, third; Lydia Forbach, fourth.

Men's race, those 40 years or thereabouts.—S. A. Anderson, first; E. Hock, second; E. Slattery, third.

Potato race.—E. Walter, first; R. Kinkel, No. 2, second; R. Kinkel, No. 1, third; E. Stuntz, fourth.

Three-legged race.—Grever and Walter, first; Kinkel brothers, second.

Hop, skip and jump.—D. J. Scott, 36 feet, two inches, first; R. E. Kinkel, 35 feet, six inches, second; W. Grever, 34 feet, nine inches, third.

A five-inning ball game was played between the Growers and Retailers, Retailers captained by E. Slattery, Growers captained by D. J. Scott. Batteries: Retailers, Kramer, pitcher; Kinkel, catcher; Growers, O. Scott, pitcher; Gittere, catcher. Growers winners, 8 to 1.

The judges in all events were L. H. Neubeck, W. A. Adams and H. Erchert. Chas. Reichert was official starter. The attendance was the largest in many years, about 115 sitting down to the dinner. The ladies were very conspicuous, showing that they like the outings as well as the men.

The merry-go-round did a good business, such children as Slattery, Adams, Sangster, President Streit ("and, oh, the ladies") were riding on the prancing steeds.

Slattery, Grever, Kinkel brothers, Walter, Stuntz and Tobin compose the Palmer athletic club, and they are some club.

The umpiring of L. H. Neubeck was very satisfactory, Louie having studied the latest rules for the past month.

There were just two Streits at the picnic, the President and Mrs. Streit. The little Streits were absent.

Chas. T. Guenther was there from Hamburg, while some that lived much nearer were absent.

The Cold Spring contingent was never larger, all the Scotts and many others were there.

It was good to have Rob Scott with us again after his long illness.

The Slattery family are athletes from father to the baby.

S. A. Anderson was easily the champion runner.

Grever is a good man with a megaphone.

Chas. Schoenhut, William street, was a busy man last week. He was chairman of the committee for the outing of the East Side Business Men's association of which he is president.

The Florists' bowling club will meet this (Monday) evening and perfect arrangements for Rochester.

Stock at L. H. Neubeck's new place in Williamsville is in good shape.

Mr. Breitmeyer, Jr., of Detroit, was a caller last week.

BISON.

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street, New York
To out-of-town florists
We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Trade Directory

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American Florist Co., 324 Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

1 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET,
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID.



Give us a
Trial
We can
Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

We Solicit Your Patronage.

A. MOLTZ & CO.

Wholesale Florists

Telephone 2921 Madison Square.

Coogan Bldg., 55-57 W. 26th St.,

NEW YORK.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.
Telephone 3870-3871 Madison Square

— FLOWERS SHIPPED BY —

P. J. SMITH,

Are the best product of the best growers
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK
Telephone 1998 Madison Square.

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-
class stock solicited.

Phones 4626 and 4627 Madison Square.

Wholesale Flower Markets

NEW YORK, Aug. 3.

Roses, Beauty, special.....	8 00@20 00
" extra and fancy.....	3 00@ 8 00
" No. 1 and No. 2.....	50@ 2 00
" Bride, Bridesmaid, special.	4 00@ 5 00
" extra and fancy.....	1 00@ 3 00
" Killarney, special.....	4 00@ 5 00
" extra and fancy.....	2 00@ 3 00
" No. 1 and No. 2.....	50@ 1 00
" Kaiserin, special.....	5 00@ 7 00
" extra and fancy.....	2 00@ 4 00
" No. 1 and No. 2.....	50@ 1 00
Carnations.....	2 00@ 3 00
Chrysanthemums, per doz.....	1 00
Cattleyas.....	35 00@ 75 00
Gladiolus.....	25@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 00@ 2 50

Asters and Sweet Peas vary so much that they
cannot be quoted.

BUFFALO, Aug. 3.

Roses, Beauty, special.....	20 00@25 00
" fancy.....	15 00@20 00
" extra.....	10 00@15 00
" No. 1.....	7 00@10 00
" No. 2.....	2 00@ 4 00
" Bride, Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Pres. Carnot.....	4 00@ 7 00
Carnations.....	75@ 2 00
Daisies.....	50@ 1 00
Gladioli.....	3 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas..... per bunch. 3c@5c	
Adiantum Croweanum.....	1 25@ 1 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	1 50
Galax, green and bronze.....	15 00
Smilax.....	

Gretsch & Ordenez Bros.

WHOLESALE FLORISTS

52 W. 28th St.,
Telephone 3357 Mad. Sq., New York City

High Grade Orchids always on hand. We have
room for good growers. Prompt and full returns.

ELGIN, ILL.—G. B. Dawes will erect a
new greenhouse and grow cut flowers.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,
Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

KESSLER BROS.,

450 Sixth Ave., NEW YORK
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

hone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.
parts of United States and Canada127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

MOSSSES

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

Boston.

STOCK MORE PLENTIFUL.

The agreeable change in the weather conditions has made a great change for the better in all the stock now coming to the market. After one of the hottest Sundays ever experienced in New England, Monday brought forth a terrific thunder shower that extended all over this section and this has been followed by smaller showers throughout the week. The result has been that the supply is much more than the demand, and while last week saw all stock cleaned up early in the day, this week all lines have been slow and some, especially carnations, are a drug on the market, while prices have taken a drop. Roses are selling at about the same as last week. Carnations have improved in quality, but are cheaper. Sweet peas are still poor and find a very slow market. A trip around the stores and inquiries as to business, are immediately answered by, "Quiet, quiet." And in the Back Bay district general stagnation is the condition with a busy day once in a while and then a relapse. At Hoffman's, however, they report a very busy week. Down town things are a little livelier and some of the stores report more summer business than usual.

NOTES.

"A jolly good time" is the word passed around by those who attended the annual picnic of the Gardeners' and Florists' Club, which was held on Wednesday at Pine Banks Park, and certainly for those who attended, it was their own fault if they did not have a good time, for everything combined to bring about that result. The committee was very fortunate in selecting this beautiful place, so easy of access, with its fine grove to spread the lunch and the large open field for the games. The weather was all that could be expected, one of the brightest pleasantest days of summer. The attendance was a record breaker, over 500, counting the children—and there were lots of them. Thos. Pegler, J. P. A. Guérineau, H. E. Fiske and William E. Fischer, the committee in charge, worked like beavers and are entitled to great praise for the manner in which they performed their duties. Ringmaster William J. Kennedy and Secretary William W. Craig were certainly two overworked men, and they were always on deck and must have been glad when the day was finished, for the games started at 11 o'clock

Lilium Harrisii

Now Ready for Delivery.

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

F. R. PIERSON CO.

Tarrytown-On-Hudson,

NEW YORK.



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax \$1.00 per 1000; 8.50 per 10 000

Leucothoe Sprays \$1.00 per bunch; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.
Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place, BOSTON, MASS.**FANCY FERNs, \$1.25 per 1000**

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze \$1.00 per 100; \$7.50 per 1000
Boxwood per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets \$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

and it was after five when the last event, the tug-of-war, was decided, and everybody waited for this contest, which proved, as was expected, a strenuous struggle, in which the private gardeners wiped out their defeat of a year ago. The games started with the ball game, which attracted a great interest and was won by the commercial men, by the score of 5 to 2. The winning nine was composed of: Sim, c.; Solari, p.; Filson, 1st b.; O'Brien, 2nd b.; Kuer, 3rd b.; Aylward, ss.; Palmer, 1. f.; Walsh, c. f.; Ruane, r. f. The ball game for boys under 16 years was won by the team captained by Thomas Westwood.

The judges who officiated were: Kenneth Finlayson, A. E. Thatcher, Thomas H. Westwood and James Wheeler. Handicapper McGillivray had a difficult task which he performed to the credit of himself and the satisfaction of all. Miller and Holmes, who umpired the ball game, escaped any seri-

New Crop Ferns

FANCY and DAGGER ready May 1st.

Special price for large orders
Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,

Evergreen,

Alabama

ous trouble. At the lunch hour sandwiches and coffee were provided for all and the ladies and children were served with ice cream. This gave the entertainment committee, P. J. Tinley, chairman, a very busy hour, but the work was very satisfactorily accomplished and heartily appreciated.

News comes from Old Orchard that Patrick Welch sprained his ankle while bathing, but the report at the store is that it is nothing serious.

E. A. W.

(OTHER BOSTON NOTES ON PAGE 74.)

EVERYBODY SAYS

The Rochester Convention

WILL BE

The Greatest on Record

AND

EVERYBODY KNOWS

The American Florist Convention Number

To Be Issued August 11

WILL BE

A Fitting Representative of the Great Occasion.

Advertising rates are as usual, \$1 per inch, single column width, \$30 per page of 30 inches, with the usual discount on time contracts.

The American Florist 324 Dearborn St.
CHICAGO

SEND YOUR AD. NOW

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.

Long Distance Phone.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave

WASHINGTON
D. C.

Gude's

Washington,
D. C.

14th and H Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKISTONE

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Kansas City

HEADQUARTERS

Alpha Floral Co.

1105 Walnut St., Kansas City, Mo.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

WYMORE, NEB.—The summer meeting
of the State Horticultural Society con-
vened July 22, with an attendance of
50 delegates. The programme con-
sisted of a paper by Mrs. J. A. Reu-
ling and addresses by A. D. McCand-
less, C. S. Harrison of York and Mr.
Yager of Fremont.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1583

Mention the American Florist when writing

Denver, Colo.

The Park
...Floral Co.

J. A. VALENTINE, President.

Mention the American Florist when writing

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Mention the American Florist when writing

Montreal.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.
Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

John G. Heintz & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2122

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

MICHIGAN.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

Deliveries in

NEW YORK, LONG ISLAND and NEW JERSEY

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

Aug. 9.

Hamburg, Ham.-Amer., 9 a. m., Hoboken Pier.
Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wil. der Grosse, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.
FROM BOSTON, Cymric, White Star, 12 noon.

Aug. 10.

Mauretania, Cunard, 9 a. m., Piers 54 and 56,
North River.
Oceanic, White Star, 3:30 p. m., Piers 60 and
61, North River.
President Lincoln, Ham.-Amer., 10 a. m., Ho-
boken Pier.
FROM BALTIMORE, Rhein, N. Ger. Lloyd, 2
p. m., Pier 9, Locust Point.

Aug. 11.

La Bretagne, French, 10 a. m., Pier 42, North
River.
Venezia, Fabre, 1 p. m., Amity Dock.
Barbarossa, N. Ger. Lloyd, 10 a. m., Hoboken
Pier.

Aug. 12.

FROM MONTREAL, Tunisian, Allan, 5:30 a. m.
FROM QUEBEC, Empress of Ireland, Can-
Pacific, 3:30 p. m.

Aug. 13.

Furnessia, Anchor, 11 a. m., Pier 64, North
River.
New York, American, 10 a. m., Pier 62, North
River.
Lapland, Red Star, 11 a. m., Pier 59, North
River.
Celtic, White Star, 12 noon, Piers 60 and 61,
North River.
Amerika, Ham.-Amer., 12 noon, Hoboken Pier.
Princess Irene, N. Ger. Lloyd, 11 a. m., Ho-
boken Pier.
FROM MONTREAL, Corinthian, Allan, Daylight.
FROM MONTREAL, Pretorian, Allan.
FROM MONTREAL, Canada, White Star-Dom.,
Daylight.
FROM PHILADELPHIA, Friesland, American,
10 a. m., Pier 54.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones
Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders 218 W. 4th St.
A Specialty,
Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

VISITED CHICAGO: B. E. Martin, Salem, Ill.

GLADIOLUS bulb crops are suffering from the prevailing drought both east and west.

ST. JOSEPH, MO.—The Farber Seed Co. will increase its capital stock from \$5,000 to \$10,000.

THE Azore islands may help out on the calla bulb shortage in California caused by the severe winter.

THE Louisville crop of onion sets is reported to have been badly injured by the heavy rains the past month.

REDTOP grass seed producing districts in Illinois have had too much rain, but the quality of the seed will be better than last year.

CHICAGO.—Prices on the board of trade August 3 for grass seed were noted as follows: Timothy, \$5.50-\$6.50 per 100 pounds. White clover from 20 cents to 25 cents.

FIRST estimates from California seed growers on their percentage of probable deliveries on 1910 contracts indicate that orders for most varieties of onion will be filled nearly in full.

CHINESE NARCISSUS bulbs are reported afloat in the China seas and are due in America rather earlier than usual. These bulbs enjoy a longer selling season than most kinds.

THE Department of Agriculture at Washington is out with a press notice urging farmers to grow vegetable seeds. There is nothing to indicate that this article was ever submitted to the expert seed growers of the department, otherwise the public would have been cautioned to procure their seed stocks from right sources and to make their preliminary ventures through the support of a definite contract for the crop with responsible seedsmen.

PHILADELPHIA, PA.—S. S. Skidelsky has returned from an extended western trip. Roman J. Irwin, his partner, has gone with his wife for a vacation of two weeks in Maine.—The Henry F. Mitchell Co. has taken about 400

square feet of space at the Rochester trade exhibition. Among many other exhibits they will show a number of electrical appliances. They are now busy handling their first shipment of Formosa lilies.—Patrick O'Mara of New York was a visitor July 29. He visited Dreer's, Riverton, N. J., and the ranges of the Robert Craig Co. and Wm. K. Harris.

Connecticut Seed Crops.

Orange, July 30.—Turnip and kale seed have now been harvested and the crop is a very good one, although the acreage was small. Present demand for both of these articles has taken up all the surplus in the hands of dealers. Showers have recently fallen, which have carried along the corn crop and the later seed, such as beet, carrot and parsnip, although we have not had a good rain for some six weeks, are looking as well as could be expected. Warm weather is helping the corn, and it is now looking better than it usually does at this season.

There is no question whatsoever but that the pea crop is going to be one of the very shortest on record. The writer has just returned from a thorough canvass of the pea growing sections of New York State, Canada and Michigan, and is convinced that famine prices for peas will prevail during the coming season.

S. D. WOODRUFF & SONS.

The Corn Crop.

Wakeman, O., July 30.—I have just returned from a 2,000-mile automobile trip through the east, via Canada. I found the corn crop from 10 days to two weeks late and a poor prospect. Our own contracted crops here in Ohio are at least two weeks late and a poor stand, due to the cold weather of May and early June. Many fields had to be replanted and some crops were entirely lost. From the middle of June to July 10 we had splendid corn weather and if we can get some rain from now on with a late fall we can then make a fair showing.

C. S. CLARK.

French Bulbs.

Consular Agent Francis M. Hansfield, of Toulon, furnishes the following information in reply to complaints which have appeared in American horticultural journals that some inferior narcissus and hyacinth bulbs have been exported from the Toulon district:

"No criticism is justified of the products of this part of France ob-

tained through responsible firms or of those growers who bring scientific methods to bear in their culture. Whatever unsound stock may go out must be through the small and irresponsible farmers, and the reputable growers and shippers with whom I have talked on this matter say they positively refuse to sell damaged or unsound stock to these small factors, believing that if such should be put on the market and proved faulty, as it obviously would be, it would injure the great industry of Ollioules and Hyeres, which have a reputation for bulbs of the highest quality. Such damaged or unsound stock is burned or otherwise destroyed by the growers and shippers who have their best interests and that of the region at heart, the irresponsible middleman not even being thought of as a possible customer.

"Unsound stock comes from three different causes: (1) From damaged stock, bruised or cut or rotted by damp; (2 and 3) from two well-known maladies, one resembling an interior rot of an enigmatic origin, and the other—seemingly attacking only the hyacinth—a tiny nematode which insinuates itself into the heart of the bulb through a hole which it makes at the base. These maladies are well known and recognized by experts, but to the non-expert it is conceivable that their presence might well be overlooked and possibly ignored by a careless shipper.

"If this unsound stock were allowed to propagate in the United States, it might indeed be a serious matter, and the way to avoid it seems to be for buyers to deal only with known and responsible houses rather than to attempt to develop new sources of supply. The United States has the reputation of taking the best of the stock produced here and, incidentally, paying the highest prices, but buyers can only be assured of this by drawing their supplies from houses of good repute. The market price (between grower and exporter) of the competitive White Roman hyacinth bulb has just been fixed for the present season by the Growers' Syndicate at 68 francs (\$13.12) per thousand of 1,050, the assortment to include the usual marketable sizes, from 4.7 to 5.9 inches. For extra sizes the members of the syndicate are at liberty to make their own prices."

To Stop Weed Seed Imports.

Washington, July 26.—Stimulating the government's country-wide anti-weed crusade, Acting Secretary of the Treasury Andrew has ordered all customs officers to take 2-ounce samples of all importations of grass, clover and forage plants and forward to the seed laboratory of the Department of Agriculture here. This action is to be in effect through the present fiscal year and is at the request of Secretary of Agriculture Wilson, who wants to stop weed seeds from continuing to come into this country. Canada has stringent laws against bringing in seeds of weeds and some of the foreign interests are said to have turned to the United States, as furnishing a less critical market.—New York Journal of Commerce.

Imports.

During the week ending July 23, imports were received at New York as follows:

Vaughan's Seed Store, 16 cases, 14 crates lily bulbs.

J. M. Thorburn & Co., 20 bags seed. M. C. Hutchinson & Co., five cases seed.

To others, 526 cases, 22 pkgs. lily bulbs, 52 cases plants, 276 bags clover seed, 43 bags grass seed, 30 bags, one pkg. seed.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Per 1000
Lilium Longiflorum Multiflorum, 7-9..... \$50 00
Giganteum, 7-9..... 65 00
Formosum, 7-9..... 65 00
F. O. B. New York.

Seed PANSY Seed

Brown's Improved Prize Pansy Seed.

Finest strain in the market.

In color and size they are incomparable.

Price of mixed seed.

3000 seeds, \$1.00; 1/4-oz., \$1.50;
1/2-oz., \$2.50; 1-oz., \$5.00; 1/4-lb.,
\$14.00; 1/2-lb., \$25.00; 1-lb., \$50.00;
in separate colors. Yellow with dark
eye, same price. Cash with order.

PETER BROWN, Pansy Seed
Grower,
LANCASTER, PA.

N E C W R O P SMILAX SEED

Ounce, 25c; 1/4 lb., 75c.

Vaughan's Seed Store
CHICAGO. NEW YORK.

MANN'S

Lily of the Valley

are the finest in existence, and their flowers
bring the best prices on the London market.
For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most
beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

PANSY SEED New Crop

Perfection Mixture, made up from the finest strains grown	Pkt.	Oz.	Madame Perret	Pkt.	Oz.
Elite Mixture	.50	5.00	Giant Parisian Mixture	.25	1.50
Cassler's Giant	.50	4.00	Giant Pansies, in separate colors, white, black, yel- low, sky blue, dark blue, red, brown, striped	.25	1.50
Bugnot's Five Spotted	.50	5.00			
Masterpiece	.50	5.00			

SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of
American Grass and Clover seed in carload lots, and invites exporters to submit
offers and samples as soon as the new crop is on spot.

Mignonette New York Market.

New Seed Now Ready.

This is an extra choice strain of Mignonette for
greenhouse culture. Our seed is greenhouse
grown, raised by a most careful grower. The
plants grow from two to three feet high, and pro-
duce flower spikes up to 20 inches long, according
to the quality of the soil, weather and treatment.
The seed is all saved from selected plants, grown
from three to five shoots to a plant, and was all
saved from the spikes measuring from ten to
eighteen inches long. Trade pkt. (about 1000
seeds). 50c; per oz., \$7.00; 1/4-oz., \$1.00.

VAUGHAN'S SEED STORE,

84-86 Randolph St.,
CHICAGO.

25 Barclay St.,
NEW YORK.

Seasonable Seeds

For Summer Sowing

All the Leading Kinds

James Vick's Sons
SEEDSMEN
Rochester, New York

Jerome B. Rice Seed Co.

CAMBRIDGE, N. Y.

CORRESPONDENCE INVITED.

GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trima-
deau it is much larger and of good substance, the
immense flowers of 3 1/2 to 4 inches are of perfect
form, every tint and shade is produced in striking
combinations and endless variations of beautiful
colors and marking; it is the result of years of
selection. The stock plants are selected from
many thousand of plants grown for market. It is
rich with shades of brown, bronze, red mahogany
and numerous other light, medium or dark
mixtures.

1910 Seed Now Ready.

2000 seeds 50c; 5000, \$1.00; 1/4-oz., \$1.25; 1-oz.,
\$5.00; 1 lb. \$50.00. Also the following colors of
the Kenilworth strain: yellow, yellow-darkeye,
Lord Beaconsfield Mme. Perret, white darkeye,
purple, black, masterpiece, red, brown, bronze,
dark blue and light blue shades. Trade pack-
ets 25c, any five for \$1.00. 12 packets one of each
variety \$2.25.

Rainbow is a blend of over 50 of the
latest introductions of giant pansies
of the most beautiful gorgeous col-
ors; blotched, striped veined
margined, etc. With every
\$1.00 worth of Kenilworth
strain I will send 1000
of Rainbow free,
and with other
amounts in
like pro-
por-
tion.

Mention the American Florist when writing

RELIABLE SEEDS.

	Tr.	Oz.	pkt.
Bellis, double Daisies, Longfellow, pink	\$3 00	30c	
Snowball, white	3.00	30c	
Carnations, hardy garden, finest			
double mixed	2.00	25c	
Myosotis, alpestris, Victoria compact			
blue	2.50	35c	
Pansies, Special florists' mixture	4.00	50c	
Pinks, double dwarf hardy garden mxd.	4.00	50c	
Wallflower, extra dbl. dwf., Bush mxd.	4.00	50c	
For other varieties ask for my catalogue.			
O. V. ZANGEN, Seedsman, Hoboken, N. J.			

Always mention The American Florist
when you order stock. : : :

Market Gardeners

Greenhouse Vegetable Growers and
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

POTATO prospects are good in Marion county and other producing centers in Indiana.

MINNETONKA LAKE and vicinity was swept by a severe storm July 22, great damage being done to vegetable crops around St. Paul, also to greenhouse property in the neighborhood.

CHICAGO.—Kraus Bros., Seventy-eighth street and Jeffry avenue, will repair the five greenhouses which were damaged by a storm some time ago. Their crop consists of radishes, parsley, mint and tomatoes. Their tomato patch of 5,000 plants is in fine condition and picking will commence the latter part of this month. Kraus Bros. supply the grocers of Hyde Park and vicinity. They have 27,000 feet of glass.—P. M. Olsson, the big potato shipper of Wau-paca, Wis., was in the city this week, with L. Starks Co. He said that there was no telling what the potato crop would be on account of the prolonged drought. There has been no rain for over two months.—L. F. Case, the fruit broker, left this week on his annual trip to California to see his customers.—J. G. McNair, the big Arkansas peach grower, was here last week.

About Beans.

The bean that we eat in some form nearly every day, that almost everybody likes, is comparatively new as an edible. Our common, everyday bean is a native of South America and was introduced into Europe, whence it came to this country, during the sixteenth century, and now is represented by more than 150 cultivated varieties. The big, broad bean is the bean of history and its origin is so remote that it is doubtful. It is probably a native of southwestern Asia and northeastern Europe.

Columbia City, Ind.

The Northern Indiana Florists' Association met at Winona Lake for its annual meeting. At this meeting articles of incorporation were adopted and the following officers elected:

W. W. Dederick, Warsaw, Ind., president.

Harry White, No. Manchester, vice-president.

A. J. Wagoner, Columbia City, secretary and treasurer.

Directors.—One year: D. C. Noble and A. J. Wagoner, Columbia City; two years: Geo. Pastor, Huntington; J. H. Shelton, Rochester; three years: J. S. Stewart, Anderson, W. S. Kircher, Rochester.

Five new names were presented and duly elected as members, giving us a wide range of membership in the northern part of the state. A banquet was spread at the Otterbein hotel which was voted a great success by all the members and wives and visitors. After the yearly business was completed several very interesting discussions were enjoyed in which all took part

ASTER SEED

While at the Convention

Look over our display of CUT ASTERS. Our attendant will give any information desired. Visit our Aster Farm and see our crop growing.

VICK & HILL CO.

P. O. Box 613,

ROCHESTER, N. Y.

Order
Now

Lily of the Valley

Order
Now

The best grade for early
The best grade for late

FORCING

Prices on
application.

SACKMAN, P. O. Box 21, Secaucus, N. J.

and it was declared the most interesting part of the meeting. A committee consisting of W. W. Dederick and A. J. Wagoner was appointed to prepare a programme for next meeting, which will be held the third Wednesday in October at South Bend. All who are interested in horticulture are urgently invited to be present and all parties wishing to become members can do so by addressing application to Secretary A. J. Wagoner, Columbia City, Ind., and inclosing \$1 with application. All new names will be taken up and voted on at next meeting. A. J. W.

Boston Notes.

The trip across the ocean and a visit to Europe seems to have an attraction this year for the florists in this vicinity. S. J. Goddard and Johnson of Nelson & Johnson of Framingham returned the early part of this week, and the latter part of the week David Welch of Welch Bros. appeared at the store, hale and hearty and with a color that would rival an ancient mariner. A. Leuthy and Joe Margolis of H. M. Robinson are roaming around the continent looking up good things. Sidney Hoffman is in Hamburg and writes that he is having a glorious time, and nothing that can be put to use in the Back Bay will escape his watchful eye. And now it is reported that William Malloy and Edward Welch are to sail next Saturday, which will make quite a representation of the profession in this city to the old world.

One of the young men who formerly had the respect of the trade has fallen from grace the last week. He started in business for himself in Somerville and using up his credit found that he had to purchase his goods C. O. D., but not having the wherewithal to pay, would give the boy who delivered the goods worthless checks. This week he tried the game on H. M. Robinson & Co.; the boy refused the check but went into the telephone booth at the Sullivan square terminal, where the young man was to meet him, and the latter then skipped with the box of flowers. He was later arrested and appeared in court on Friday to answer to the charge of larceny and was found guilty and fined \$15 and costs, which he appealed.

E. Allen Peirce has completed the arrangements for the Boston party to the convention at Rochester. The fare will be \$15.40 for the round trip, which is the regular fare out and three-fifths on the return by the certificate plan. A special car has been engaged and the charge will be \$2 per chair.

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.....	\$0.20	\$1.00
10,000 and over.....	85c per 1000	
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market	20	1.00
10,000 and over.....	85c per 1000	

—Cash with order.—

R. VINCENT, Jr & SONS CO., White Marsh, Md.

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Mention the American Florist when writing

New Crop Mushroom Spawn

Just arrived from England
\$8.00 per 100 lbs.

WEEBER & DON,

Seed Merchants
and Growers. 114 Chambers St., New York.

The party will leave on Monday, August 15, at 10 o'clock, having the day run through the Berkshire hills and the Mohawk valley, arriving at Rochester at 10 o'clock in the evening; and returning Saturday. Any one desiring to join this party will please notify E. Allen Peirce, Waltham, Mass., as early as possible. A good time is in store for any one who joins.

Mattie Ruane, Peirce's popular salesman, appeared at the market Monday brown as a berry and smiling as ever after an enjoyable vacation at York Beach. Fred Roberts, Doyle's busy manager, also came back to town the last of the week ready to start Monday morning.

H. M. Robinson starts Monday to spend a well earned vacation at Green Harbor. E. A. W.

WILMETTE, ILL.—The Northwestern Floral Co. will erect two greenhouses, 26x125. The company deals largely in carnations; 30,000 plants have already been put in the houses and 10,000 more will be added; 14,000 plants have been sold at wholesale during the past week.

Dreer's Convention Month Specials

AN INVITATION

All Florists attending the Rochester Convention are earnestly invited to stop over at Philadelphia and visit our Nurseries at Riverton N. J. We assure you a cordial reception and believe that you will find the visit both pleasant and profitable.



NEPHROLEPIS SCHOLZELI (Crested Scott Fern.)

Kentia Forsteriana

	Per doz.	Per 100	Per 1000
2 1/4 in. pots. 4 leaves, 8 to 10 in. high.....	\$2 00	\$15 00	\$140 00
3 " 5 " 12 to 15 "	2 50	20 00	175 00
4 " 5 to 6 " 15 to 18 "	5 00	40 00	
6 " 6 " 28 to 30 "			Each \$1 00
6 " 6 " 34 to 36 "			1 50
8 in. tubs, 6 to 7 " 45 to 48 "			5 00
11 " 6 to 7 " 84 to 90 "			15 00
The following are exceptionally heavy and valuable decorative plants:			
14 in. tubs, 6 to 7 leaves, 7 to 7 1/2 feet high.....			Each \$25 00
15 " 6 to 7 " 7 1/2 to 8 "			30 00
15 " 6 to 7 " 8 to 8 1/2 "			35 00
16 " 6 to 7 " 10 to 11 "			40 00
16 " 6 to 7 " 11 to 12 "			50 00

ARAUCARIAS

Araucaria Excelsa (Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

	Each
4 in. pots. 5 to 6 inches high. 2 tiers.....	\$0 30
5 in. pots. 10 to 12 inches high. 3 tiers.....	60
6 in. pots. 13 to 15 inches high. 3 to 4 tiers.....	75
6 in. pots. 14 to 16 inches high. 4 tiers.....	1 00
7 in. pots. 16 to 18 inches high. 4 tiers.....	1 25

FINE FERNS

Asplenium Nidus Avis—The Bird-Nest Fern.

A nice thrifty lot in 3-in. pots, 30c each; \$3.00 per doz. 4-in. pots, 40c each; \$4.00 per doz.; 6-in. pots, \$1.00 each.

Nephrolepis Giatrasii

This variety, introduced last fall in a very limited way, has proven to be a gem—especially where a perfect specimen is desired in a small size. It will develop beautifully in a three, four or five inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2 1/4 in. pots, \$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

Mixed Ferns for Dishes

We have at all times a good supply of these.

2 1/4 in. pots.....	\$3.50 per 100; \$30.00 per 1000
---------------------	----------------------------------

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.—Our staff of travelers will be in attendance at the Rochester Convention, and will be pleased to show you samples of the above and many other specialties which we will exhibit.

PALMS Our Leading Specialty.

Cocos Weddelliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2 1/4 in. pots. 5 to 6 in. high.....	\$1 50 per doz.; \$10 00 per 100
3 " 8 to 10 "	2 00 15 00
5 " 18 to 24 "	splendid plants 75c each
7 " 34 to 36 "	grand specimens.....\$2 50 each

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

2 1/4 in. pots.....	\$1 50 per doz.; \$10 00 per 100
3 "	2 00 15 00
4 "	3 50 25 00
5 "	\$6 00 per doz. (Nicely characterized.)

Phoenix Rupicola

Good 6 in. pots.....	\$1 50 each
8 in. tubs	2 50 "

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

3 in. pots, nicely characterized.....	\$3 50 per doz.; \$25 00 per 100
4 "	\$ 60 each
5 "	1 25 "
6 "	2 00 "

We also have a limited lot of handsome specimen plants in tubs, at \$35 00 and \$50 00 each.

Kentia Belmoreana

	Per doz.	Per 100	Per 1000
2 1/4 in. pots. 4 leaves, 8 to 10 in. high.....	\$1 50	\$10 00	\$90 00
3 " 5 " 12 "	2 00	15 00	140 00
6 " 6 " 20 to 24 "			\$ 1 00 each
6 " 6 to 7 " 26 to 28 "			1 50 "
Specimen plants, 9 to 10 feet high, in tubs.....			
			40 00 "

Kentia Forsteriana—Made-up Plants

	Each
7 in. tubs, 3 plants in a tub 36 in. high.....	\$ 2 50
7 " 3 " " " 39 "	3 00
8 " 3 " " " 40 to 42 "	4 00
8 " 3 " " " 42 to 45 "	5 00
8 " 3 " " " 4 ft. high	6 00
9 " 3 " " " 4 1/2 "	8 00
10 " 3 " " " 5 "	10 00
12 " 3 " " " 5 1/2 "	15 00
14 " 3 " " " 6 " heavy	20 00
16 " 3 " " " 7 1/2 to 8 ft. high	25 00

Areca Lutescens

A splendid lot of well shaped plants of good color.

2 1/4 in. pots. 1 plant in a pot.....	85c per doz.; \$6 00 per 100
6 " 3 plants in a pot. 28 to 30 in. high	\$1 00 each
7 " 3 " 36 "	2 50

Araucaria Excelsa Glauca.

	Each
5 in. pots. 8 inches high. 2 tiers.....	75
6 in. pots. 10 to 12 inches high. 3 tiers.....	1 00
7 in. pots. 13 to 15 inches high. 4 tiers.....	1 50

Araucaria Robusta Compacta.

6 in. pots. 8 inches high. 2 tiers.....	1 00
6 in. pots. 10 to 12 inches high. 3 tiers.....	1 25
7 in. pots. 12 to 14 inches high. 3 tiers.....	1 50

Nephrolepis Scholzeli—Crested Scott Fern.

A sport from Scottii, possessing all the merits of that most popular variety but with the pinnae sub-divided giving it a neat crested appearance. 2 1/4 in. pots, \$1.25 per doz.; \$8.00 per 100; \$75.00 per 1000.

Ferns in Flats

These flats contain about 200 plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price, \$2.00 per flat.

Adiantum Cuneatum.	Lomaria Coliata.
Aspidium Tsussimense.	Pteris Adiantoides.
Aspidium Tsussimense Cristata.	Pteris Cretica Magnifica.
Cyrtomium Falcatum.	Pteris Cretica Wimsettii Multiceps.
Cyrtomium Fortunei.	Pteris Ouvardi.
Lastrea Chrysoloba.	Pteris Wilsoni.
Lastrea Aristata Variegata.	

HENRY A DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-Presi-
dent; John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

SPRINGDALE, PA.—The offices of the Elliott Nursery Co. were broken into July 22, the safe blown and \$200 in cash, two gold watches and \$8 worth of stamps extracted.

JERSEY CITY, N. J.—John T. Withers, having returned from his world tour, is busy planning for the improvement of the Fifth ward tract which the city is acquiring for park purposes.

MILLBRAE, CALIF.—F. Ludemann of Ludemann's Nursery has retired from business and the nursery will, in future, be carried on by his son, A. F. Ludemann who has had personal charge of the business under his father for the past 10 years.

MAKATO, MINN.—Announcement was made July 19, that the executive board of the State Horticultural Society has elected Senator Thomas E. Cashman of Owatonna as president of the association to fill out the unexpired term of Professor Samuel B. Green, who died July 11. Mr. Cashman is well known as a nurseryman, being president of the Clinton Falls Nursery Co. at Owatonna.

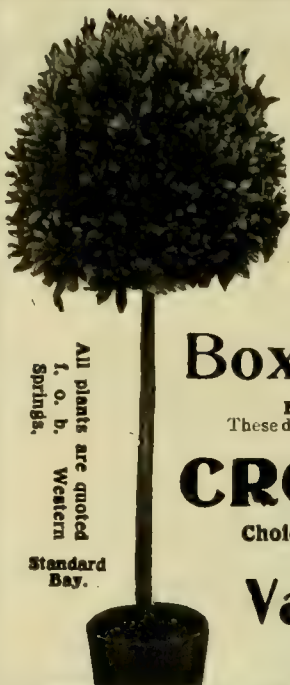
MILTON, ORE.—Members of the Northwest Nurserymen's Association were recently the guests of the retiring president, S. A. Miller, at the Milton Nursery, coming in a special car on the interurban, 125 strong. After an inspection of Miller & Sons' nursery dinner was served on the grounds of Aaron Miller, founder of the nursery and the pioneer nurseryman of eastern Oregon. William Ritz of Walla Walla acted as toastmaster and addresses were delivered by ex-Mayor Davis of this city, J. H. Hall and D. C. Sanderson of Freewater, J. L. Dumas, Roeding, C. L. Whitney and others.

New Roses at Hoopes Bro. & Thomas.

WICHURAIANA CROSSES

Considering the great and immediate results that have been obtained from crosses with Rosa Wichuraiana and the popular and well-known standard hybrid and tea roses in general cultivation, it seems strange that many more rose growers are not engaged in this fascinating work. That roses of this type are growing in popularity is evident with each recurring season. That sterling variety, Crimson Rambler, a pronounced favorite of this type, is now to be seen in all parts of the country, and as fast as it becomes known it is being followed by the magnificent pink, Dorothy Perkins, a cross between Wichuraiana and Mme. Gabriel Luizet, a climbing variety that should be in every grower's stock, as it is also one of the best plants for Easter forcing.

Some five years ago experiments were made with crosses of well-known hybrids and teas with Wichuraiana, at the nurseries of Hoopes Brother &



All plants are quoted
f. o. b.
Western
Standard
Day.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped
These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.....	\$0.30	\$3.00	\$20.00
12 to 15 in.....	.35	3.50	25.00
15 to 18 in.. light ...	.40	4.00	30.00
15 to 18 in heavy....	.45	4.50	35.00
20 to 24 in.....	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch.....	\$0.20	\$2.00
4-inch.....	.35	3.50
5-inch.....	.60	6.00
6-inch.....	1.00	10.00
7-inch.....	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

Thomas, West Chester, Pa., the results of which were very gratifying, there being obtained several varieties that measure up to the standard of many sorts in commerce together with a number of others which have peculiarities in color, form of flower and foliage that mark them as being worthy of a trial and providing excellent material for future crosses.

A cross with Caroline Testout was very prolific, one pod of seed producing four fine varieties, of which the characteristics are quite different. Of this quartet probably Christine Wright is placed first. This is a strong, rampant grower with large, thick, leathery foliage; the flowers are a clear bright pink almost double, four inches in diameter, borne in clusters of from eight to 15 flowers and buds both of which are of beautiful formation. The foliage remains clean at all times. Flowers are also pro-

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraea, Valleys.

Price List Free on Demand.

duced at intervals in limited quantities later in the season. Another from the same seed pod is of the purest white, having a large flower with a double row of broad globular petals and is relieved in the center with a bunch of golden crested stamens. If it were more double it might be called a climbing Frau Karl Druschki, so closely does it resemble this famous sort in form and color. The foliage is a rich, glossy green, which makes it desirable as a climber the season through.

Peonies Wanted.

Peonies in large quantities, 3-5 eyes.

Festiva Maxima, Delicatissima.
Couronne d'Or, Modele de Perfection.
Duchesse de Nemours, Alexander Dumas,
Mme. de Verneville, Felix Crousse,
Sulphurea, Richardson's Gr Rubra,
Canari, Lee's Gr. Rubra,
Officialis Alba and Rubra.

Only guaranteed true varieties wanted.
75 per cent cash; rest after first flower.

F. F. SCHEEL,

Nursery, Shermerville, Ill.

Crosses were also made with Crimson Rambler, of which there are several examples that are well worth trying out, being quite distinct and beautiful as pillar roses, the semi-double flowers being borne profusely in upright clusters. General Jacqueminot was also used to advantage, as was Clio and Helene, a pink climber. There are a lot of varieties held under number which are very interesting, all showing peculiarities of foliage, color or form of cluster on single flowers, that reveal the possibilities of this work. Of the varieties thought worthy of a place in their catalogue and in this way offered to the public, are the following: Christine Wright, described above; Columbia, pure salmon pink, strong climbing habit, foliage glossy, form of bud beautiful, size of flower four inches and very fragrant. Edwin Lonsdale, double, pale lemon white, delicate tea fragrance, flowers two to three inches, very profuse. Prof. C. S. Sargent, rich golden yellow in bud, opening out to a delicate buff flower, very double and fragrant, a cross with Souvenir d'Auguste Metrel. Robert Craig, yellow-shaded with apricot deepening in the center. This interesting work is still carried on by their superintendent, Mr. Farrell, who has secured some very promising seedlings by further crosses with Wichuraiana, using, as before, popular varieties and also the products of the first experiments. It is a work which every florist in the land could engage in with pleasure and profit, there being an almost certainty of good results to the careful hybridizer. K.

Condition of Nursery Stock.

The Brown Bros. Co., Rochester, N. Y., write as follows: "We have had an unusually good growing season in this vicinity. We had ideal weather all through planting time and have had plenty of showers and occasional good rains so that the ground has been kept in perfect condition, with the result that stock has done much better than usual."

Ellwanger & Barry, Rochester, N. Y., say that in a general way nursery stock looks very well, the month of July having afforded exceedingly good growing weather.

American Apple Growers Congress.

The seventh annual meeting of the American Apple Growers' Congress will be held at the Planters hotel, St. Louis, August 10-11. Many interesting and instructive papers on subjects pertaining to fruit growing are promised, some of the best informed men from experiment stations and other government institutions being down on the programme for talks on their various specialties. The director of the Missouri Botanical Garden has arranged for the Shaw annual banquet

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen and Florists **Rutherford, N. J.**



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet. will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPLOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

PEONIES

Best Cut Flower varieties grown.

First Prize White \$15.00 per 100
" " Pink 9.00 per 100
" " Red 10.00 per 100

Wagner Park Conservatories, Sidney, Ohio.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084-229 Broadway, New York
Designs, Estimates, Construction of Grounds

to be held August 12, to which the members of the congress will be invited guests. The hotel rates at the Planters are reasonable, the accommodations of the best, and the meeting promises to be of unusual interest.

NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates
Berrydale Experiment Gardens, Holland, Mich.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD,

Sargoxie, Mo.

Providence.

The condition of the business for the past week remains the same as it has been for the past month, excepting that first class stock is decidedly scarcer with no increase in the demand. There is no transient trade, but a very fair amount of funeral orders for this season of the year. Few roses of a first class quality are coming in. The supply of carnations is very small and the quality poor, and more good ones could be used. Asters are more plentiful, but there is not enough of a good quality coming in and what there is are soon bought up at good prices. Gladioli are fine and of a great selection of colors, they sell well but at a low figure when taking into consideration the grand display they make and their lasting qualities. Sweet peas are scarce. There is a sufficiency of orchids, lily of the valley, pink pond lilies and Easter lilies to supply all demands. Green goods are abundant, of good quality.

NOTES.

Many of the residents of Central Falls paid a visit to the gardens of the Field Naturalists' Society on Monday and expressed their pleasure at the conditions which have developed during the past few weeks in connection with the competition among the members for the Lawton silver cup, which is awarded annually to member having the neatest appearing bed in the garden. At the meeting of the society the committee which has charge of the arrangements for the annual flower show presented a report. Several of the members will attend the annual clam bake to be given by James Hawthorn on Sunday. The city tree warden, Alfred Clare, was present at the meeting and informed the members that he is negotiating with the state officials for help in the spraying of the trees of the city and expects that the work will begin in the near future.

F. Macrea & Sons' concern consists of 75,000 square feet of glass and is conducted by the sons of the late F. Macrea. They grow a general line of roses, carnations, violets and lilies; of the latter they intend to make a specialty the year around and have built a cold storage for the keeping of the bulbs. These enterprising brothers keep well abreast of the times and have one of the most up-to-date places here. Alex. Macrea is also interested in the firm of T. J. Johnston & Co. and they dispose of most of their stock at this store. Their chrysanthemums are in fine shape; the carnations and roses are also looking well.

The marriage of Edward Brook to Miss Edith Sims has been announced. Mr. Brook is managing owner of the firm of T. J. Johnston & Co. Miss Sims has been bookkeeper and confidential clerk here for the past year and was very popular with the trade and employees. The clerks in the store presented Mrs. Brooks with an elegant bookkeeper's desk and typewriter with equipment for the same. We all extend our best wishes.

The leopard moth has made its appearance here and City Forester Johnson is working hard to get an appropriation of money from our city fathers to fight this new pest as well as the older ones we have in great abundance and making some of the elm trees about this city look as though a charge of grape and canister had been shot through them.

Burke & Burns, successors to Wm. Hay, have incorporated their business under the style of the Burke Rose Co. The incorporators are John T. Burke, Robt. E. Burns, Isabelle G. Burns, all of this city. This concern is to grow and sell all kinds of flowers and plants with a capital stock of \$50,000 divided into 500 shares at \$100 per share.

BODDINGTON'S QUALITY

Christmas Flowering Sweet Peas

For Immediate Delivery.

	Oz.	1/4 lb.	1/2 lb.	Lb.
Boddington's Snowbird, pure white.....	20c	75c	\$1.25	\$2.00
Boddington's Christmas Pink	10c	40c	.75	1.00
Boddington's Christmas white	15c	50c	.85	1.50
Mrs. E. Wild, carmine.....	15c	50c	.85	1.50
Mrs. Geo. Lewis, white waved.....	15c	50c	.85	1.50

New Crop of all other Winter Flowering Varieties
Ready in August.

ARTHUR T. BODDINGTON,

352 West 14th Street,

NEW YORK CITY.

Miscellaneous Plants

	Doz.	100		Each	Doz
2 1/2 in. Boston, (Aug.).....	\$2 00	\$4 50	4 in. Araucaria Excelsa,		
4 in. ".....	3 00	15 00	2-3 tiers	50	\$6 00
5 in. ".....	3 00	25 00	6 in. Araucaria Glauca,		
2 1/2 in. Whitman,	2 00	5 00	3-4 tiers	1 75	
4 in. ".....	3 00	15 00	6 in. Araucaria Compacta,		
5 in. ".....	3 00	25 00	3-4 tiers.....	1 75	
2 in. Asparagus Plu Nanus.....	1 00	3 00			
3 in. ".....	1 50	7 00	Kentia Forsteriana, single	Each	
4 in. ".....	2 50	10 00	plants, 7 in, 6 to 7 leaves. 34		
2 in. Asparagus Sprengeri.....	1 00	6 00	to 36 in	\$3 50	
3 in. ".....	1 25	10 00	Same made-up, 3 plants to pot		
2 in. Asstd. Ferns, dishes (Aug)	3 50	3 50	32 to 34 in.....	3 00	
2 in. Cyclamen,	1 00	7 00	Same made-up, 3 plants to pot		
3 in. ".....	2 00	15 00	36 to 40 in.....	4 00	
4 in. ".....	3 00	3 00	Kentia Belmoreana		
2 in. Chinese Primrose,	7 00	7 00	7-in. pot, 6-7 leaves. 34-36 in....	4 00	
2 in. Obconica Primrose,	3 00	3 00	7-in. pot, 6-7 leaves. 28-30 in....	3 00	
2 in. Celestial Peppers,	5 00	5 00	6-in. pot, 5-6 leaves. 26-28 in....	1 75	
2 in. Jerusalem Cherries,	3 00	3 00	4 in. pot.....per 100	\$35.00	35
2 in. Poinsettias, (1000 +45.00)	2 00	15 00	2 1/2 in. pot.....per 100	10.00	
2 in. Smilax.....	3 50	3 50			
2 1/2 in. Cocos Weddelliana					
3 in. Pandanus Veltchii.....					

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill

CHRYSANTHEMUMS

Bush Plants for Show Purposes

We have some fine plants of standard varieties, including single flowering sorts for immediate delivery.

6-inch.....60c each; \$6.00 per dozen 10-inch.....\$1 50 each
8-inch.....85c each; 9.00 per dozen

Write for Varieties.

VAUGHAN'S SEED STORE

All Plants F. O. B.
Western Springs, Ill.

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK

Greenhouses, Nurseries and Trial Grounds: Western Springs, Ill.

M. Sweeney, Friendship and Broad streets, does an immense business in floral decorations as well as a very large business in landscape work. Mr. Sweeney's place is not large, but he is located in one of the best residential parts of the city and covers a great territory of well kept places.

Robt. Byrnes of Narragansett Pier

has opened his store in the Hazard block at this place and reports business good for the beginning of the season. Mr. Byrnes has had a store here during the summer months for the past 20 years.

The Rhode Island Gardeners' and Florists' Club enjoyed a day's outing at the Rhode Island Agricultural Col-

FERNS

One of our specialties is growing up to 8 in. and 10-in. for vases, baskets, etc. Our varieties include

	2½-in.	3-in.	4-in.	5-in.
Bostons.....	\$5 00	\$10 00	\$15 00	\$25 00
Whitmani.....	7 50	15 00	25 00	50 00
Amerpohli.....	7 50	15 00	25 00	50 00
Scottii.....	7 50	15 00	25 00	50 00
Plumosus.....	3 50	8 00	15 00	25 00
Sprengeri.....	2 50	5 00	12 50	25 00
Maiden Hair.....	5 00	15 00	25 00	
Small Ferns.....	5 00			

	6-in.	7-in.	8-in.
Bostons.....	\$40 00	\$60 00	\$100 00
Whitmani.....	75 00	100 00	150 00
Amerpohli.....	75 00	100 00	150 00
Scottii.....	75 00	100 00	150 00
Plumosus.....	50 00	100 00	
Maiden Hair.....	Specimens 10-in. and up, \$2.50		

Primroses, Chinese Obconica and Forbesii, 2½-in. at \$5.00; 3-in. \$8.00 per 100

Cyclamen, 2½ in. at \$5.00; 3 in. \$8.00 per 100.

Celestial Peppers, 2½ in. \$2.50; 3 in. \$7.50 per 100.

Jerusalem cherries, 2½ in. \$4.00; 3 in. \$8.00 per 100.

Poinsettias, 2½ in. at \$6.00 per 100.

Cinerarias, 2½ in. at \$5.00 per 100.

Hydrangeas, 2½ in. \$5.00; 3 in. \$8.00; 4 in. \$12.50

6 in. 5 c. and 9 in. \$1.00.

Flowering Begonias, 3 in. at \$5.00 per 100.

Rex Begonias, 2½ in. at \$5.00; 3 in. \$10.00; 4 in. \$25.00 per 100.

Fancy Caladiums, 4 in. at 25c each.

Araucarias, fine plants at \$1.00 each. A special bargain.

Extra good values in all kinds of Ferns: Bostons, Whitmani, Amerpohli, Plumosus, Sprengeri and Maiden Hair.

Ask for our other lists in season.

GEO. A. KUHLE, Wholesale Grower,
PEKIN, ILL.

Aster Plants

Simple's Branching and Queen of the Market fine plants of the best strains. \$1.75 per 1000. 5000 for \$7.50.

Cabbage, Celery, Peppers, Sweet Potatoes, Tomatoes, Brussels Sprouts and Celeriac.

Fine plants from the field. \$1.00 per 1000; 5000 for \$4.00; 10,000 for \$7.50; all the best varieties.

J. C. SCHMIDT, Bristol, Pa.

Whitmani Ferns

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.

Brides and Maids

2½-in. \$2.50, 100; \$25.00, 1000. Numerous other good sorts in prime stock

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO.

lege at Kingston on Monday. A very fine repast was served and all returned home very much pleased with the outing.

John Macrae's chrysanthemums are a healthy looking lot. Mr. Macrae grows a limited number of the leading varieties and has put in a couple of benches of single varieties which are looking fine; these were very popular last season.

William Appleton reports landscape and forestry work very good for this season of the year. Mr. Appleton does an immense business at outside work in caring for places in connection with his florists business.

Wm. E. Chappell, John A. Macrae and Wm. B. Hazard were among the mason attendants at the annual outing of the Mason veteran association at the Warwick club, July 15.

M. J. Leach of Pawtucket, N. D. Pierce of Norwood and John A. Ma-

LEADER

in our
Specialties:

The Araucarias

LEADER

Neph. Ferns

15 000 now ready,
in all sizes and
varieties.



GODFREY ASCHMANN'S SONG. Tune: "John Brown's Body."

In the early morning sunlight upon the sea I go
To search the lands of Europe for the finest plants that grow.
I only buy the very best; those only you must know
Are good enough for me.

In the towns of little Belgium there are Araucarias fair.
And Azaleas with their promise of enchanting beauty rare.
I mean to beat the world with my shipment over there.
Just good enough for me.

I leave at home in my house the loveliest Ferns on earth.
And mean to match them with tall Palms of quite transcendent worth.
My Cyclamen and Primroses I've tended from their birth.
All good enough for me.

When I come home I want you all to come and see my show:
The sight of my Lorraines will set your heart and eyes aglow:
The health and beauty bloom and leaf, then only will you know
What's good enough for me.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants 5-5½-6-7 in. pots. 12-15 18-20-25-30 in. high. 3-4 5-6 tiers. 2-3-4-5 years old. 35c. 50c. 60c. 75c. \$1.00. \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6 in. pots. \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots. 30 35 40-45 in. high. 4-5-6 years old. 75c. \$1.00. \$1.25 \$1.50. \$2.00 to \$2.50 each; 4-in., 25c each. 25 in. high.

Kentia Belmoreana, 25 31-35-41 in. high 5-5½-6-7 in. pots. 5-6 7 years old. 50c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each; 4-in. 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each. Standard Bay Trees, 1-foot tubs, 7 ft. high from bottom up. 2 x 2 crown, \$8.00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c. Nephrolepis (Ferns), Boston. Scottii, Whitmani. Scholzei, 4-in., 25c; 5. 5½ and 6-in., 35c. 40c and 50c.

Ferns for Dishes, big assortment, 2½-in. pots. at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.

Begonia Lonsdale, pale pink, 4-in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots. from 5 to 20 leaves. 10c per leaf.

Cocos Weddelliana, 3 in. pots. 18c to 20c.

Primula Obconica, best strain, 4 in., 10c; 5 in., in bloom. 15c.

We have an unsurpassed strain of Solanum Multiflorum (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine..... 15c

All plants in 4-in. pots.
Also 10 secondhand 4 in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

crae of this city will go to the convention at Rochester together.

Robert Johnston, with Johnston Bros., has gone to the White Mountains on a two weeks' vacation.

J. P. and C. T. O'Connell, 87 Vandewater street, are building an addition to their greenhouses.

Field-Grown Carnations...

10,000 White Perfection, 8,000 R. P. Enchantress, 7,000 Enchantress, 12,000 Winona, 5,000 Lawson Enchantress, 2,500 Winsor, \$8.00 per 100; \$50.00 per 1000; 250 at 1000 rates. Cash.

Limestone land; no stem rot.

W. Fargo, U. S. and American Express.

W. SABRANSKY, Kenton, Ohio

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, Fishkill, New York.

James Lavery, with J. B. Canning, will spend his vacation at Block Island. J. BRINTON.

Vaughan's Giant Pansies

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c; $\frac{1}{8}$ oz., \$1.00.

VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt., 25c; $\frac{1}{8}$ oz., 75c; $\frac{1}{2}$ oz., \$2.50; oz., \$5.00.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; $\frac{1}{8}$ oz., 20c; $\frac{1}{2}$ oz., 30c; oz., \$1.00.

VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{2}$ oz., \$5.00; oz., \$10.00.

VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trinardeau, the splendid Cassier strain. Trade pkt., 25c; $\frac{1}{8}$ oz., 60c; oz., \$4.00; $\frac{1}{4}$ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK.

San Francisco. BUSINESS QUIET.

There is very little activity in either the wholesale or retail business in or around the city at present. However, after the passing of this month, it can be safely figured that there will be a constant improvement in business conditions. While there is plenty of stock in the market to meet the present demands good flowers are very scarce.

NOTES.

The Pacific Coast Horticultural Society desires to announce that it intends placing in the Admission Day parade, September 9, a very handsome and original float and will be pleased to receive suggestions from any one engaged in the flower business. The following cash prizes are offered for the most original design:—First prize, \$15; second prize, \$10. The judges appointed by the society to pass upon the designs submitted are Messrs. Pelicano, Baldocchi, Schlaushauser, Plath, and Kettlewell. The designs must be submitted on or before August 6, 1910.

J. F. Dayton, representing the Madison Basket-craft Co., was in the city for a few days of the past week. This was Mr. Dayton's first visit here for his firm, and he reports a very successful trip.

Arthur Zirkman, representing M. Rice & Co., Philadelphia, is at present here displaying many new novelties in the flower supply line.

W. Saakes, of Los Angeles, is stopping here for a few days on his return trip from Reno.

Mr. Martin, of Martin & Forbes, Portland, Ore., was a recent visitor in the city.

ARTUS.

Sprengeri, Iris,

Sprengeri, at \$15.00 per 1000; good stock.

German Iris, in mixed colors at \$2.00 per 100.

ALBERT M. HERR,

Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

Lancaster, Pa.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

NEW ORLEANS, LA.—Chas. Eble, wife and daughter are going to the Rochester convention, also probably Harry Papworth, U. J. Virgin, B. M. Wichers and others. Excursion fares are in force by different routes to Chicago for \$15, Washington or Detroit \$18, St. Louis \$14 for round trip, good until August 30, and these are better than the certificate plan. These are to be advertised by the railroads and will probably lead to many others going.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASH,
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Mention the American Florist when writing

We'll Help You Make Your Palm Department Pay.

Many florists neglect their Palm business because they think that other lines pay better. If you think that, we would like a chance to **prove** to you, by the experience and testimony of scores of our customers who have had long experience with Palms, and who therefore **know**, that few other departments of the retail florist's business can be made to show a steadier and more satisfactory profit than this one.

It's absolutely necessary, though, that you sell first-class stock, and this we are prepared to supply. Our Palms are all home-grown and are clean, vigorous and thrifty. We supply them in practically all the standard sizes and our prices are no higher than you would pay elsewhere as the following list will show.

Our interest in our customers doesn't end with the filling of an order, either; florists who want to build up a better Palm business will find many helpful suggestions in our summer booklet, just off the press, which contains, also, our price list for the coming season.

We want you to have a copy of this booklet—we know it will interest you and help your Palm business. Drop us a postal **now** and we will see that a copy comes to you by next mail.

And, as decisive proof, why not let us have a trial order, if you're not already acquainted with "Heacock Quality"? Here are our prices; your instructions will have our best attention and the Palms will be shipped without delay.

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.



ARECA LUTESCENS.

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	\$1 00
7-in.	3	30 to 32	2 00
8-in.	3	36	2 50
8-in.	3	42	3 00

COCOS WEDDELIANA

Pot	In. high	Each
2 1/2-in.	8 to 10	\$10 00
2 1/2-in.	10 to 12	15 00

KENTIA BELMOREANA

Pot	Lives	In. high	Doz.	100
5-in.	6-7	18	\$6 00	\$50 00
6-in.	6-7	22-24	1 00	12 00
6-in.	6-7	24-26	1 25	15 00
6-in.	6-7	26-28	1 50	18 00
Pot or tub				
7-in.	6-7	34-36	2 50	30 00
7-in.	6-7	36-38	3 00	
7-in.	6-7	40-45	4 00	
Tub				Each
9-in.	6-7	42-48 very h'vy.	\$5 00	
9-in.	6-7	48-54	6 00	
9-in.	6-7	5-ft.	8 00	

KENTIA FORSTERIANA

Pot	Lives	In. high	Each	Doz.	Pot
6-in.	5-6	28-30	\$1 00	\$12 00	5-in. nicely characterized
6-in.	6	34-36	1 50	18 00	6-in. " " "

MADE-UP KENTIA FORSTERIANA

Tub or pot	Plants in pot	In. high	Each
7-in.	4	36	\$2 50
7-in.	4	36-40	3 00
Tub	Plants in tub	In. high	Each
9-in.	4	42-48	\$5 00
9-in.	4	4-ft. h'vy	6 00
12-in.	4	6-ft.	15 00

CIBOTIUM SCHIEDEI

Ready in Sept. Stock limited.

Tub	Spread	Each
9-in.	4 to 5-ft.	\$6 00
9-in.	6-ft.	7 50

PHOENIX ROEBELENI

Pot	Lives	In. high	Each	Doz.
5-in.	5-6	28-30	\$1 00	\$12 00
6-in.	6	34-36	1 50	18 00

A CORDIAL INVITATION

Is extended to all local and visiting florists and their friends to
Come and See our fine collection of market plants of all kinds

Our Boston Ferns, Pandanus, Crotons and Palms

are in first rate condition and we have a lot of young stock of all kinds that will interest you.

THE FINEST STOCK IN THE WEST

Frank Oechslein 4911 Quincy Street CHICAGO

Extra Fine Rose Stock

	Per 100	Per 1000
1000 3 1/2-in. Cardinal	\$10 00	\$90 00
600 3 1/2-in. Perle	7 50	70 00
2500 2 1/2-in. Richmond	5 00	45 00
1000 2 1/2-in. Kaiserin	3 00	25 00

CHRYSANTHEMUMS

Only the following varieties on hand:		
Oct. Frost, Halliday, Roosevelt	Per 100	Per 1000
Christmas, Eaton, Schrimpton	\$2 50	\$20 00
Pompons—Briola, Klondike, Baby		
Garza, Zenobia, Diana	2 50	20 00
Smilax, 3-in.	\$40 00	per 1000
Sprenger, 2 in., ready for shift	25 00	per 1000
Poehlmann Bros. Co., Morton Grove, Ill.		

Asparagus Primroses

	Per 1000	Per 100		Per 1000	Per 100
Plumosus, 2 1/4-in. pots		\$ 2 00	Kewensis, Yellow		2 00
Sprenger, 2 1/4-in. pots	\$15 00	2 00	Chinese and Forbesi		\$ 2 00
Pansy Seed, new crop		Per oz.	Obconica Alba and Rosea		2 00
Giant Flowering		\$ 4 00	Obconica Gigantea	\$25 00	3 00
Smilax, 2 1/4-in. pots	\$1 00	per 100			

—Cash. No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Passiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100;

Chrysanthemums, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

Salvia, Bonfire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Cincinnati.

TRADE HOLDING UP.

Business is holding up fairly well and we have no complaint about the way stock is selling. True there are a few too many *Hydrangea paniculata* on the market but these are moved at some price and they clean up even if at a sacrifice. Carnations are about over and we are anxiously awaiting the advent of the asters, which up to the present writing, are very poor in quality and hardly worth mentioning. Roses are improving in quality and last week some very good Beauties, Taft and Ivory were offered. Auratum and Longiflorum lilies are in active demand and the quality all that can be desired. Green goods of all descriptions are abundant with only a moderate call.

NOTES.

The next regular meeting of the Florists' Society will be held in the club rooms, Jabez Elliott Flower Market, on Monday evening, August 8, at 8 p. m. Applications for membership have been received from R. A. Kelly, C. J. Jones, Harry Moorman and Chas. McRea. President C. E. Critchell is getting on the right track in trying to induce the retailers to join the society, for membership from the retailers was lacking woefully, there being only about half a dozen on the roster.

There will be quite a party to the S. A. F. convention from this city. Thus far J. A. Peterson and wife, C. E. Critchell, Albert Sunderbruch, Albert Heckman, Ray Murphy and Frank Westrich have made up their minds and are going, and although not definitely settled, but at the last moment we will see Louis H. Kyrk and wife, Miss Edith F. Kyrk, Miss Laura Pfeiffer, Mrs. Gus Adrian and Miss Jennie Adrian board the sleeper for Rochester August 15.

Joe Maunder, Newport, Ky., was around the wholesale houses the other day telling the boys how he killed a big black snake while fishing along the Little Miami river during his vacation. As Joe is an absolute teetotaler undoubtedly it will be best not to question his story.

W. H. Gear and Wm. Murphy are the two disciples of Isaac Walton of the craft in this city and every week end you can find them at one of the numerous fishing camps within 25 miles of the city. The two Bills certainly know how to enjoy life.

A letter from Miss Adae Kresken, dated Rome, Italy, July 14, 1910, says that all is well and a postal from Arthur Becker at Los Angeles, Calif., states that he is having one good time and that he is anxious to book an order for a carload of callas.

VAUGHAN'S Winter Flowering SWEET PEAS

New Seed Ready in August.

White Seeded Sweet Peas. Put seed in water over night, then put in box or flat and in a temperature of 60 degrees. Seed will germinate in two days and then can be sown.

	oz.	lb.		oz.	lb.
Angelino, Self pink.....	\$0 20	\$1 50	Mrs. Alexander Wallace, Lavender.....	15	1 00
Christmas Pink, Pink and white.....	10	1 00	Mrs. W. W. Smalley, A pleasing satin pink.,	20	1 50
Christmas White,.....	10	1 00	Mrs. Geo. Lewis, Pure white.....	25	2 50
Earliest of All, Pink and white.....	10	85	Mrs. William Sim, Salmon pink.....	20	1 50
Mont Blanc, White.....	10	60			

If sweet peas are wanted for Christmas, sow the seed in well-ventilated houses, not before August 15, nor after August 25. This sowing will bloom from November 1 until April. For the main crop in January or February, sow about September 15. If the best sweet pea flowers are wanted for Easter (April 16 in 1911), sow the first part of November.

Vaughan's Seed Store,
Chicago. New York.

California Reliable Bulb Company



LEEDHAM'S HOME-GROWN BULBS are better and cheaper than imported stock.

When you order our bulbs, you get just what you order of strong, vigorous and healthy bulbs.

NOTE THESE PRICES:

Per 1000	Per 1000
Stella.....\$ 2.00	Double Von Sion...\$10.00
Figaro..... 2.00	Sir Watkin..... 10.00
Cynosure..... 2.00	Emperor..... 12.00
Princes..... 10.00	Paper White..... 8.00
Empress..... 10.00	Grand Monarque... 2.00

Order now or send for complete wholesale price list.

THE LEEDHAM BULB CO., Santa Cruz, California.

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Tromey's Flower Shop had the lion's share of the work for the Streitman funeral and the whole force worked all day Sunday getting out the orders.

Visitors: Mr. Dillhoff, representing Schloss Bros., New York; C. E. Hawkins, the asparagus king from Leesburg, Fla.

Chrysanthemum Plants

From 2½-in. Pots.

WHITE	Per 100	1000
Oct. Frost.....	\$2 00	\$15 00
White Cloud.....	2 00	15 00
Kalb.....	2 00	15 00

YELLOW	2 00	15 00
Monrovia.....	2 00	15 00
Oct. Sunshine.....	2 00	15 00
Appleton.....	2 00	15 00
Halliday.....	2 00	15 00

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitman Ferns 4-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates, 3-in., \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

Ferns

Whitman, 3-inch stock, 6c.; 4-in. \$1.50 per doz.
Superbissima, 4 inch, 15c. 6-inch 25c each.

W. W. COLES,
KOKOMO, INDIANA.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

Wichita, Kans.

"Dry, drier, driest, describes the weather conditions for the past three weeks in Kansas, two good rains only since the heavy storm of May 1. The day temperatures range from 100° to 105° every day, with rather stiff wind blowing, hot as from a furnace, several of the days and a low degree of humidity taking the sap out of most vegetation. Summer flowering crops have suffered severely; sweet peas are ready to set fire to, asters barely pulling through, even with much watering, and the general run of stock in much the same condition. Carnations in the field are surely taking a rest, but are of sufficient size that even a few weeks of growing weather will in most cases put them in fair condition. Chrysanthemums in the greenhouses are looking well. Trade conditions are at low water mark; in fact there is no trade to stimulate, and the retailers trim their windows to amuse or interest by some unique attraction. Chas. P. Mueller has used water, sheet moss, etc., with good results. Some small ducklings have been especially amusing. W. H. Culp & Co. have displayed some exceptionally good gladioli, America showing up in especially fine form.

Ferdinand Kuechenmeister, in company with John Stamm, of Hutchinson, spent three weeks in the lake region of Wisconsin, with a short visit to Milwaukee and Chicago. He reports a fine time, and good luck angling for bass.

While wrting these lines a light shower is starting, and the weather indications are for a rain, thus allowing at least a temporary break in the dry spell.

W. I. CHITA.

Nashville.

The extremely hot weather has set in in earnest in this locality and the florists' windows indicate a scarcity of flowers and that dry dull look of mid-summer. At the greenhouses all are busy trying to keep something going with which to supply the summer demand. Asters are coming in well; gladioli hold on and the white hardy hydrangea serves many purposes. Trade continues fair and funeral work is still abundant.

SPECIAL LOW OFFER —of Freshly Imported— ORCHIDS

For Balance of Month Only.

Cattleya Trianae, in splendid condition, well leaved and plump, in cases of 400 bulbs, 40-50 plants, \$40.00 per case.

Cattleya Schroderae, the only Cattleya you can depend on for Easter, fine plants, in cases of 400 bulbs, \$65.00 per case.

Cattleya Speciosissima, superb plants, in cases of 400 bulbs, \$48.00 per case.

Cattleya Labiata. A few cases only. This variety is getting scarce. Buy them now. Cases of 400 bulbs, \$50.00 per case.

Dendrobium Formosum Giganteum, best paying White Orchid there is. Fine plants, with 6 to 8 bulbs, \$125.00 per 100; fine plants, with 9 to 12 bulbs, \$200.00 per 100.

All the above prices are net. No discount of any kind will be allowed.

We also recommend our stock of

Established Orchids and Orchid Peat, Live Sphagnum Moss, Orchid Baskets, Etc., Etc.

If you do not have our catalog, write us for one.

LAGER & HURRELL, Orchid Growers and Importers, Summit, N. J.

SIMPLY BECAUSE WE MUST HAVE ROOM

We Are Closing Out Our Orchid Stock

ENTIRELY. WE CAN STILL SUPPLY

250 Cattleya Trianae and 100 Cattleya Labiata , at.....	Each \$2.00	200 Cypripedium Leeanaum , at.....	Each .50
150 Cattleya Schroderae all sold.		100 Balance sold.	1.00
150 Cattleya Percivalliana , at.....	\$1.00		

They Are the Best Value in Orchid Stock You Ever Bought.
All established plants and warranted to flower.

CHARLES H. TOTTY, Madison, N. J.

Primrose

Forbesi, 2-in. \$2.00 per 100; **Chinese Primroses**, 2-in. \$2.00 per 100; **Primula Obconica**, 2-in., Alba, Rosa, Lilac, Hybrida, Rubra, \$2.00 per 100; **Gigantea**, Carmine, **Kewensis**, \$3.00 per 100.
ROOTED CUTTINGS. Prepaid: **Stevia**, 75c per 100. \$6.00 per 1000.

Cash with order.

BYER BROS., Chambersburg, Pa.

The funeral of Mrs. James C. Warner created quite a large demand. The flowers were sent from several cities and were banked about the casket until it resembled a catafalque made of flowers. A remarkable feature of the flowers were the beautiful Harrisii lilies of which there was a great profusion. A handsome pall, made of lilies, purple asters and white roses, was bordered with lilies and asparagus. So many of the pieces were very large and were sent by friends in this and other cities, large gates ajar, upright crosses, enormous wreaths and innumerable bunches of lilies. Mrs. Warner was a great lover of flowers and her garden was one of the most beautiful around here. She had a small greenhouse, delighted in the culture of many rare plants and had great success with them. Her garden had all kinds of old fashioned flowers and was at all times a thing of beauty and a joy to her large circle of friends. M. C. D.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: **Oncidium Varicosum Rogersii**, **O. Marshallianum**, **O. Forbesii**, **Laelia Purpurata**, **L. Cinnabarina**, **Cattleya Citrina**, **Odontoglossum Grande**.

CARILLO & BALDWIN, Mamaroneck, N. Y.

See It at Rochester

—NEW CARNATION—

"CHRISTMAS CHEER"

Easy to grow. Easy to sell.
It will make a fortune for you.

HENRY EICHHOLZ, Waynesboro, Pa.

FRANKFORT, IND.—H. M. Humfeld is installing a new Kroeschell boiler and heating system at his greenhouses. He has 15,000 square feet of glass and raises carnations, roses and other cut flowers and bedding stock. Mr. Humfeld has several brothers in the business, one at Clay Center, Kans., one at Kansas City, Mo., and one at Muncie.

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Flower Colors

Use our **COLOR CHART** in describing them.
PRICE, \$1.00 POSTPAID.

American Florist Co.,

324 Dearborn St., CHICAGO, ILL.

"GREENHOUSE MATERIAL"

Standard Steam and Hot Water Heating Plants

WONDERFUL VALUES. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now

Send for our **Special Heating Catalog**, filled with valuable information; tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. **Ask for Booklet No. 47.**

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

BUILDING MATERIALS AND SUPPLIES

Marvelous bargains in **Greenhouse Sash and Building Material** of all kinds. **Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material** of all kinds. **Boilers, Feed Pumps, Flower Pots, etc.** Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

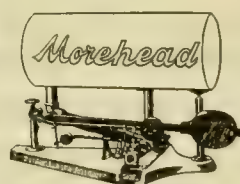
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CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago

The MOREHEAD

BOILER FEED



Sent on 30 Days'
Free Trial.

SUBSTITUTE a Morehead "Boiler Feed" Trap for your steam pump and save 90% of the steam necessary to operate a pump. Steam pumps, handling hot water, stick, short stroke and act badly. Morehead "Boiler Feed" Traps do not.

Our "Trap Book" will thoroughly post you.

Send for copy—also state your conditions and we will submit a complete proposal, gratis--no obligations.

MOREHEAD MFG. CO.

Department "N"

Detroit, Mich.

King Iron Frame Greenhouses

"Ask the Man Who Has One."

A Word From England---

HAMPTON-ON-THAMES, ENG., Aug. 31, 1909.

Gentlemen:—

With reference to your Trussed Iron Frame House, I am pleased to let you know that it is just finished. I am well satisfied with the general appearance of the structure and find it really imposing and every detail of the construction is well brought out. The trussed steel material makes the house wonderfully light and yet very rigid at the same time, especially when one considers a width of 42 feet without posts. The ventilating machinery is strong, neat and works easily. I am sure this style of a house will be the style of the structure for commercial horticulturists in this country as well as in America.

Wishing you every success, I remain

Yours sincerely,

(Signed,) E. VICTORS.

Send for Bulletin No. 35, which describes the King Iron Frame Construction.

KING CONSTRUCTION CO.,

North Tonawanda, N. Y.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprenger, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus Plumosus Nanus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000. Asparagus Sprenger, strong, \$2.50 per 100; \$22.50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Sprenger, 2½-in., 2c; 4-in., 9c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2-in., \$2.50 per 100. Sprenger, 2½-in., \$3 per 100; extra strong for benching. Wettlin Floral Co., Horrell, N. Y.

Asparagus Sprenger, 2½-in., \$2 per 100; Plumosus, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 3-in., \$4 per 100. E. G. Hill Co., Richmond, Ind.

Asparagus Sprenger, Strong, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ARAUCARIAS.

Araucarias. For varieties and prices see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, \$1.75 per 1,000; 5,000, \$7.50. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, extra fine strong plants, 2½-in., \$15 per 100; \$140 per 1,000; 3-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 4-in., 25c. Lonsdale, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, Narcissus per 1,000: Stella, \$2; Figaro, \$2; Cynosure, \$2; Princeps, \$10; Empress, \$10; Dbl. Von Sion, \$10; Sir Watkin, \$10; Emperor, \$12; Paper White, \$8 Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Liliun Harrisii, 6-7, 350 to case, \$17.50 per case; \$6 per 100; 7-9, 200 to case, \$18 per case; \$10 per 100; 9-11, 100 to case, \$20 per case; \$25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Liliun longiflorum multi, 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Fomsum, 7-9, \$65. Buds. 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, French hyacinths, narcissus, freesia, Soleillet, Horticulteur, Toulon, France.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties, H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas, Berrydale Exp. Gardens, Holland, Mich.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 7, Mesilla Park, N. M.

Cacti. Wholesale and retail collector. Exceptionally low rates of \$3 per 100 up. Good plants. Satisfaction guaranteed. Mrs. S. L. Pattison, Cactus Dealer, Mesilla Park, New Mexico.

CANNAS.

Cannas, fall or winter delivery. R. Vincent, Jr. & Sons Co., White Marsh, Ind.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Ready about August 15.

	Per 100.	Per 1,000.
4,000 Beacon	\$7.00	\$60.00
4,000 White Enchantress	7.00	60.00
5,000 Enchantress	6.00	50.00
6,000 White Perfection	6.00	50.00
4,000 Rose Pink Enchantress	6.00	50.00
2,000 Victory	6.00	50.00
2,000 Lady Bountiful	6.00	50.00
2,000 Lawson-Enchantress	6.00	50.00

These plants are strong and healthy, and by the 10th or middle of August will be in EXCELLENT condition for benching. All orders will be filled strictly in rotation and will give satisfaction.

SKIDELSKY & IRWIN CO., Philadelphia, Pa.

Carnations, field-grown, W. Perfection, L. Bountiful, W. Lawson, Victory, O. P. Bassett, Beacon, Enchantress, R. P. Enchantress, Lawson-Enchantress, Winsor, Winona, Viola, Sinclair, Afterglow, P. Lawson, \$6 per 100; \$55 per 1,000. Cash with order. Harry Heintz, West Toledo, O.

Field-grown carnations, fine plants from sandy loam, 9,000 Victory, 5,500 Boston Market, 2,400 Red Lawson, 1,150 Winsor, \$4 per 100; \$35 per 1,000. Cash or C. O. D. Northwestern Floral Co., Wilmette, Ill.

Carnations, W. Enchantress, W. Perfection, R. P. Enchantress, Enchantress, Victory, Winona, Lawson-Enchantress, Winsor, Beacon, \$6 per 100; \$50 per 1,000. W. Sabransky, Kenton, O.

Carnation Christmas Cheer. Henry Eichholz, Waynesboro, Pa.

CARNATION PLANTS.

Clean, healthy, field-grown plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	Per 100.	Per 1,000.
Pink Enchantress	\$6.00	\$60.00
Rose Enchantress	7.00	65.00
White Enchantress	6.00	60.00
Perfection	6.00	60.00
Bountiful	6.00	60.00
Boston Market	5.00	50.00
White Lawson	6.00	60.00
Lawson	6.00	60.00
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	5.00	50.00
Winsor	6.00	60.00
Yellow Beauty	6.00	60.00
M. A. Patten	6.00	60.00

CASH WITH ORDER.

HOWARD P. KLEINHANS, 66 Centre Square, EASTON, PA.

Carnations, fine, strong, healthy and clean field-grown plants ready for immediate shipment; 5,000 Winsor, 2,000 White Enchantress, 3,500 R. P. Enchantress, 4,000 L. P. Enchantress, 4,500 Beacon. Write for prices. D. G. Grillbortzer, Alexandria, Va.

Carnation Alvina, 10-20 shoots, \$10 per 100; 5-10 shoots, \$7.50; Henry Eichholz, Waynesboro, Pa.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, F. Dorner & Sons Co., Lafayette, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

OUT OF SOIL.

White.	Per 100	Yellow.	Per 100
Oct. Frost	\$2.00	R. Halliday	\$2.00
W. Ivory	2.00	Y. Bonnaillon	2.00
W. Bonnaillon	2.00	G. Beauty	2.00
Snow Queen	2.00	Pink	
Yellow.		Pink Ivory	2.00
Golden Glow	2.00	Red.	
Monrovia	2.00	Black Hawk	2.00

2-INCH STOCK.

	Per 100	Souv. de Scandevans	Per 100
Snow Queen	2.50	Black Hawk	2.50
Early Snow	2.50		
R. Halliday	2.50		

POTTED PLANTS FOR POT CULTURE.

White.	Per 100	Yellow.	Per 100
Oct. Frost	\$2.00	G. Beauty	\$2.00
White Ivory	2.00	Pink	
W. Bonnaillon	2.00	Pink Ivory	2.00
Yanoma	2.00	Red.	
Yellow.		Black Hawk	2.00
Golden Glow	2.00	Intensity	2.00
Monrovia	2.00		

2-INCH STOCK POMPONS.

Baby Margaret	\$2.50	K. Cowill	\$2.50
Baby	2.50	Mrs. E. Roberts	2.50
Klondike	2.50	Pilloria	2.50
Quinola	2.50	Earlwood Beauty	2.50
Lulu	2.50	Irene Cozy	2.50
Ladysmith	2.50	Diana	2.50
Rob Roy	2.50		

WIETOR BROS.

51 Wabash Ave., Chicago.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Touset, R. May, Noun, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, bush plants, 6-in., 60c each; \$6 per doz.; 8-in., \$5c each; \$9 per doz.; 10-in., \$1.50 each. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Chrysanthemums, Oct. Frost, Halliday, Roosevelt, Christmas, Eaton, Schrimpton, \$2.50 per 100; \$20 per 1,000. Pompons: Briola, Klondyke, Baby, Garza, Zenobia, Diana, \$2.50 per 100; \$20 per 1,000. Pochmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, 2½-in.; Oct. Frost, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Halliday, \$2 per 100; \$15 per 1,000. Y. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, White Cloud, P. Supreme, G. Glow, Ivory, Bailey, Klondike, Lulu, 2½-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Seed," Ebbman's, Corfu, N. Y.

Chrysanthemum Jennie Nonin, 2½-in., \$2.50 per 100. Geny Bros., Nashville, Tenn.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 25c each; \$3.50 per doz.; 5-in., 60c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Western Springs, Ill.

CYCLAMENS.

Cyclamen persicum giganteum from 4-in. pots, stocky, plenty of leaves and well set to buds. Must be sold quick or shifted. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, 3-in., \$7 per 100; 4-in., \$15. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Cyclamen grandif., 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, field clumps, \$6 per 100; \$45 per 1,000. E. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Elegantisima, improved, 6-in., 50c Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantisima Compacta, 4-in., 25c; 6-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-in., pans, \$1. F. R. Piereson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Scottii, Whitman, Scholzei, 4-in., 25c; 6, 5½ and 6-in., 35c to 50c. Ferns for dishes, assorted, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, Boston and Pieroni, 3-in., 8c. Whitman and Elegantisima, 2½-in., 5c. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns, Whitman, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Neph. Magnifica, 2½-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Costelline, Poitevine Joulin, Richard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 3-in., \$3 per 100; \$25 per 1,000. For next season, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

SPECIAL OFFER, 15,000 Jean Viaud, from 2½-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Rose geraniums, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

HARDY PLANTS.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

JERUSALEM CHERRIES.

Jerusalem cherries, 2½-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley. Sackman, Secaucus, N. J.

From Storage.

Lily of the Valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

LOBELIA.

Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Biel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsche & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Chas. H. Totty, Madison, N. J.

PALMS.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Fors., 7-in., 34-36 ins., \$3.50 each; made up, 32 to 34 ins., \$3 each; 36 to 40 ins., \$4. Kentia Bel., 7 in., 34-36 ins., \$4 each; 7-in., 28-30 ins., \$3; 6-in., 26-28 ins., \$1.75; 4-in., 35c each; \$35 per 100; 2½-in., \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices, see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, 3-in., \$3.50 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Cheneceaux, France.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, Leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Peppers, 2½-in., \$2.50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Celestial peppers, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

POINSETTIAS.

Poinsettias, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Poinsettias, 2-in., \$5 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Poinsettias, 3-in., \$6 per 100; 2½-in., \$4. E. G. Hill Co., Richmond, Ind.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

PRIMULAS.

Primrose, Chinese, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Ronderfer's and Lattman's unrivalled hybrids, 14 colors or mixed, 2c. Obconica Gigantea, 3 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primulas, obconica, 2-in., alba, rosea, hybrida, rubra, \$2 per 100. Gigantea, Carmine, Kewensis, \$3. Byer Bros., Chambersburg, Pa.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 2-in., \$3 per 100. Obconica, 3-in., \$7. D. U. Augspurger & Sons Co., Peoria, Ill.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

POPPIES.

ORIENTAL POPPIES.

About 1,500 strong three-year-old Oriental Poppies for sale at a bargain. Make offer for all or part.

W. N. RUDD, Morgan Park, Ill.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis B. Lester Company, Dept. 7, Mesilla Park, N. M.

ROSES.

SURPLUS ROSE PLANTS.

Owing to changed plans we have a surplus of fine young rose stock and we offer it cheap to close it out: 1,500 Brides, 125 Maids, 400 Pink Killarney, 200 Richmonds and 50 Rhea Reid. All the foregoing are fine grafted stock in 2½-in. at 5c. 1,000 White Killarney, grafted, 2½-in. at 10c. 325 White Killarney, own roots, 2½-in. and 3-in., extra good, at 6c. 700 Beauties, 2½-in. at 5c. 300 Beauties, extra, 3-in. at 7c. Cash with order unless you already have credit arrangements with us.

THE PARK FLORAL COMPANY,
1706 Broadway, Denver, Colo.

ROSE PLANTS, 2½-INCH POTS.

Kaiserin	100	1,000
White Killarney	7	\$35
Mrs. Jardine	4	35
American Beauty	5	45
American Beauty, 3 inch.	6	55

WIETOR BROS.,

51 Wabash Ave. Chicago.

Roses, Brides, 3-in., \$4 per 100; My Maryland, 3-in., \$5 per 100; P. Killarney, 3-in., \$5 per 100; W. Killarney, 3-in., \$7 per 100; K. A. Victoria, 3-in., \$7 per 100; Bon Silene, 3-in., \$4 per 100; 1-year-old P. Killarney from bench, \$8 per 100. Cash with order. Harry Heintz, West Toledo, O.

Extra fine rose stock: 1,000 3½-in., Cardinal, \$10 per 100; \$90 per 1,000; 600 3½-in. Perles, \$7.50 per 100; \$70 per 1,000; 2,500 2½-in. Richmond, \$5 per 100; \$45 per 1,000; 1,000 2½-in. Kaiserin, \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses, surplus Ivory and Maids from 2½-in. pots, \$2.50 per 100. Gates, 3-in., \$3. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 1,000 Maids, 500 Brides, 3-in., fine stock, \$5 per 100; \$50 the lot. Cash. Chas. Edger, Omaha, Neb.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Veilchenblau, \$6 per 100; \$50 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonfire, 3-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, sweet peas and mignonette. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, Vaughan's giant pansies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seed, pansy, 3,000 seeds, \$1; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5; ¼ lb., \$14; ½ lb., \$25; lb., \$50. Peter Brown, Lancaster, Pa.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Asters. Elmer D. Smith & Co., Adrian, Mich.

Seed, asters. Vick & Hill Co., Rochester, N. Y.

Seeds. Jerome B. Rice Seed Co., Cambridge, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, pansies of all kinds. Scranton Florist Supply Co., Scranton, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

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Seeds, Stokes' standards. 219 Market St., Philadelphia.

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Froment, Horace E., 57 W. 28th St., New York.

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Guttman, Alex. J., 34 W. 28th St., New York.

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 Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.
 Pittsburg Florists' Exchange, 15 Diamond Square, Pittsburg, Pa.
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 Welland & Risch, 59 Wabash Ave., Chicago.
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 Young & Nugent, 42 W. 28th St., New York.
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 Elliott, W. H., Brighton, Mass.
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 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
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 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
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 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cincinnati—Julius Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
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 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
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Coal, Pocahontas, Brazil Block, W. Va. Excelsior Splint, Youghiogheny, Eureka, Plymouth, Northern States Coal and Mining Co., 406 Fisher Bldg., 277 Dearborn St., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit, ideal coals for florists. Eldridge Coal Company. Telephone Harrison 5788.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

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Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps. Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

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SOLE AGENTS FOR
GENUINE OLYMPIA POCAHONTAS,
ANTHRA-BIT THE IDEAL SMOKELESS COALS FOR FLORISTS' USE.

Special Prices for Immediate Delivery.

Prices Will Advance September 1st.

Our Yards Cover the City. All 'Phones Harrison 5788.

WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

Steam Coal Matters.

Chicago.—There is no change for the better to report pertaining to the Illinois steam coal mine tieup. The referendum vote taken recently on the Indianapolis compromise was decisively defeated by the Illinois miners. This stand was influenced by the attitude assumed by John H. Walker, president of the Illinois Mineworker's Union; his animosity to T. L. Lewis, president of the United Mine Workers of America, it is apparent, is the chief source of keeping the warring forces of Illinois coal operators and miners asunder.

While about 10 days ago the tentative agreement drawn up at Indianapolis was in a fair way to receive the approval of the Illinois miners, as indicated in dispatches, the friction between the national and state officials fomented to point of open break, as the following signed statement by T. L. Lewis promulgates:

"The vote taken in Illinois on the proposition submitted by the international executive board to the miners of that state will not be counted for the reason that the voting was not done in accordance with the rules governing the referendum.

"According to reports received from various sections of Illinois the terms of the proposition submitted to the miners were misrepresented by the district and subdistrict officials.

"Not only were the facts misrepresented, but the miners in many instances were bulldozed and intimidated and denied the right to express their honest convictions.

"The international executive board was of the opinion that a good proposition was submitted to the Illinois men, one they could have accepted with credit to themselves and honor to the United Mine Workers.

"There is no doubt but what the proposition would have been accepted by an overwhelming majority and the 50,000 idle miners of Illinois would be working the coming week were it not for the personal animosity of John Walker and his associates against the international officials.

"The treacherous and cowardly work of the men who are trying to tear this organization to pieces will be exposed, and when the mine workers of the country understand fully that their interests are being jeopardized and that their families are being made to suffer because of the duplicity of certain district leaders it will not take them long to remove the obstacles from the pathway of success.

"In the light of recent events we have a right to believe that John Walker would be willing to see men, women, and children suffer in order to boost his personal interests. The situation in Illinois and the action taken by the miners have temporarily delayed final negotiations for wage contracts in the southwest and Colorado, affecting over 30,000 men.

"T. L. LEWIS."

Northern States Coal & Mining Co.

406 Fisher Bldg., 277 Dearborn St., CHICAGO
 Phone Harrison 6753.

Our Florist Business has increased up to present time

THIS YEAR 50 PER CENT.

Let us have your inquiries Now for the following grades of **FLORISTS' COALS:**

W. Va. Excelsior Splint,	Youghiogheny,
Brazil Block,	Eureka,
Pocahontas,	Plymouth, } Indiana.

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS COALS

Preparation and Quality as They Should Be.

We Make a Specialty of Supplying the Florist Trade

Miners and shippers of the following grade of coal:

Sunshine,	West Virginia Splint,
Indiana Brazil Block,	Youghiogheny and
Pocahontas,	Southern Illinois.

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co., 355 Dearborn Street, CHICAGO.

Meanwhile financial aid is coming to the fore for the Illinois miners through contributions from adjacent states in the shape of drafts for substantial amounts from miners' unions.

The situation east of the Illinois-Indiana line is daily becoming more strained owing to the increasing demands being made on that source of supply. Some of the operators are working their forces to utmost capacity, but are unable to cover their obligations in several instances.

A brisk demand for steam coal is noted by jobbers who have approached

the nursery, florists and seeds trade during the past few days. Prices obtained, while higher than in years past, are not out of proportion to present market conditions. If anything, higher figures will be paid from now on for this factor in hot house operation. Covering requirements for the ensuing year should be the order of the day.

W. F. Dunk, president of the Northern States Coal & Mining Co., 406 Fisher building, 277 Dearborn street, Chicago, who has developed his trade with florists to large proportions this

season, has the following to say covering the steam coal layout:

"When calling on the greenhouse trade the past three months, I have advised that they order their coal now, and to make every effort to fill up their coal bins as early as possible, as a good many found it hard to get their coal last winter and the conditions existing now will make the coming season more serious than ever, as there is no question but that coal will be high this coming winter, owing to the Illinois mines being closed down all summer, and the mines that are running today are unable to secure cars for a full week's run. This car question is getting to be the most serious proposition the operators have to contend with, if the consumers will stop long enough to think this matter over they will realize that the large number of consumers of Illinois coal must secure their fuel from Indiana and the eastern states, and that it creates a demand for these coals, and the demand for any article creates the price. In view of these facts all the coals being mined today are selling at a very reasonable figure and should be an inducement to the greenhouse trade, as well as all other consumers, to place their orders now and stock all the coal they can. There is no trade like the greenhouse trade that needs the shippers' attention more, as it is a very serious matter to them to run short of fuel during the winter season.

"Having been in close touch with the greenhouse business for a number of years, I feel that it is my duty to the trade to advise that they order their coal supply now and avoid all the rush and worry that is sure to come. As the movement of the grain trade increases the car shortage at the mines, it will not be a question of coal: it will be the lack of cars to load it in, and as the shipper has to depend on the railroads to furnish the cars and make the deliveries, the consumers should make every effort to keep a supply on hand at all times.

"Having just returned from the mines in Indiana I find there is not a single mine that is not behind their orders owing to having met with some serious breakdown of machinery, or being unable to secure men enough to operate the mines to their full capacity.

"When these are the true facts of the coal situation today, what may we expect within the next two months?"

Lenox, Mass.

The annual show of perennials and hardy annuals of the Horticultural Society was held in the town hall July 28. Although the entries fell rather short of those of last year, the high standard of all the exhibits was fully maintained, especially in sweet peas, something of a national sweet pea show on a smaller scale, but smaller only in number; not in up-to-date varieties or in excellence of blooms. The winner of the big class came from the High Lawn House gardens (Gardener G. Foulsham), but this exhibit wanted no judging, it stood out by itself. Length of stem, substance of flowers, purity of color, and in fact, all the points that go towards coming out on the top were there. The varieties were Florence Morse Spencer, Miss Wilmott, F. Dolby, John Ingham, Tennant Spencer, Othello, E. J. Castle, Helen Lewis, Helen Pierce, Queen Alexandra, Countess Spencer and Lord Nelson. Another display (not for competition) which was one of the features of the show was a collection of 34 varieties from Mrs. J. Sloane (Gardener A. J. Loveless). They were arranged with much taste in low bowls, and showed their beauty to full advan-

tage. Mr. Loveless was awarded a diploma of merit for this exhibit.

The hardy perennials staged by Mrs. J. E. Parsons (Gardener R. Spiears) and W. D. Sloane (Gardener F. Heeremans) would be difficult to equal anywhere; they stood for choice and quality right along the line. The same may be said of the annuals; they were first class. It was a hard tussle between J. E. Parsons and Mrs. J. E. Alexandra (Gardener W. Jack). They demonstrated in a practical way what beautiful results can be obtained with hardy annuals. Two exhibitors who did well in various classes were C. Carlquist and R. Bond. Lenox show holds a unique position to any the writer has ever had the pleasure of being associated with. The only prizes offered are cards, but it does not diminish the keenness of the competition one fraction. They ask no quarter, nor do they give any; but the society is looking forward to the time when it will have got beyond the pioneer stage of existence, when the work it is doing will be recognized in a substantial manner. And why not? One cannot help but admire this body of gardeners, who have worked unselfishly without remuneration in the hope that some time they will place the society on a sound financial basis. More power to them. Men who know the shows in this country well do not hesitate to say that those here have no rivals. John Lewis Childs of Floral Park, N. Y., had a great display of gladioli, the best of them being Wild Rose, Contrast, America, Sulphur King, Mrs. R. A. Goldsmith, Attraction, Princess of India, Harlequin, Ruby and Melrose. But special note should be made of a vase of Gladiolus Dawn, exhibited by F. Heeremans. It was a beauty. The judges were H. Allan, gardener to F. Vanderbilt, Hyde Park, N. Y., and J. R. Shields, Dalton, and they performed their duties to the satisfaction of all. The thanks of the society are due to J. Mac Connachie for the courteous and businesslike manner in which he managed the show. The following are the awards:

Collection of 18 varieties of perennials.—John E. Parsons (gardener, R. Spiears), first; Elm Court Farm (gardener, F. Heeremans), second.

Collection of 12 varieties of perennials.—J. E. Parsons, first; J. E. Alexandra (gardener, W. Jack), second.

Collection of six varieties of perennials.—Mrs. John Sloane (gardener, A. J. Loveless).

Collection of 18 varieties of annuals.—Miss H. Meyer, first; C. Lanier (gardener, A. H.

Wingett), second; J. E. Alexandra, third.
Collection 12 varieties annuals.—Elm Court Farm, first; Mrs. J. E. Parsons, second; Mrs. J. Sloane, third.

Collection six varieties annuals.—John E. Parsons.

Collection 12 varieties Phlox Decussata.—Mrs. J. E. Parsons, first.

Vase, 20 spikes of gladioli.—Elm Court Farm, first; G. H. Morgan (gardener, T. Page), second; J. E. Alexandra, third.

Six cactus dahlias.—J. E. Alexandra, first.

Collection of 12 vases sweet peas in 12 varieties.—High Lawn House (gardener, G. Foulsham), first; Mrs. J. Sloane, second; J. E. Alexandra, third.

Six vases sweet peas in six varieties.—J. E. Alexandra, first; Mrs. R. Winthrop (gardener, R. Carlquist), second; Mrs. S. Sloane, third.

Vase of salpiglossis, 24 sprays.—Mrs. J. E. Parsons, first; Mrs. M. K. Jessup, second; J. E. Alexandra, third.

Vase of pentstemons.—Mrs. R. Winthrop, first.

Vase of antirrhinums, 24 sprays.—Mrs. J. E. Parsons, first; Elm Court Farm, second; J. E. Alexandra, third.

Vase, 24 blooms, dahlias.—J. E. Parsons, first. Vase sweet peas, own foliage.—Mrs. J. S. Sloane, first; Elm Court Farm, second; Mrs. J. E. Parsons, third.

Six Begonia Rex.—Mrs. J. Sloane, first.
J. W. P.

New York to Rochester.

The time is very limited and in a few more days it will be train time and all aboard for Rochester. Our very much alive transportation committee (F. H. Traendly, John Young and H. A. Bunyard) have left nothing undone to give the party the greatest time of their lives enroute. It will be necessary for those intending to take this trip with us to notify F. H. Traendly, chairman, 131 E. Twenty-eighth street, New York, at once so that the necessary accommodations can be attended to.

I would like to state that the officers and transportation committee extend a cordial welcome to all friends to travel with the Florists' Club on this occasion and to be its guests at dinner, the arrangement being made to stop at Glen Summit Springs hotel for this repast. If you have never attended a convention now is your opportunity. Every florist is certainly entitled to a vacation and he could select no better time than this. Wake up now and join us, we will have the best make up of a train that ever left the Lehigh Valley R. R. station. Remember the time, August 15, 10 a. m., from Jersey City. With pleasant greetings and to greet you all at the depot,
A. L. MILLER.

President of the New York Florists' Club and state vice president of the S. A. F.

GOLSEN-DOAN COAL CO.

Florists' Coal a Specialty

We make this special offer to florists—

Brazil Indiana Block,	- - -	\$2.65 per ton
Genuine Pocahontas Mine Run, running at least fifty per cent lump,	- - -	3.05 per ton
F. O. B. Chicago.	Good things do not go begging long.	

Old Colony Building, - - - CHICAGO.

Black Gem Coal & Coke Co.

Old Colony Building, CHICAGO.

SOLE DISTRIBUTORS

Long Distance 'Phone Harrison 962

Black Gem Block

All pure Coal. Intense Heat. White Ash. No Clinkers. No Smoke.
Four mines in Indiana.

Write or Phone for Delivered Price.

NOW READY

The American Florist Company's

Trade Directory

For 1910

Contains 570 Pages.

Price \$3.00 Postpaid.

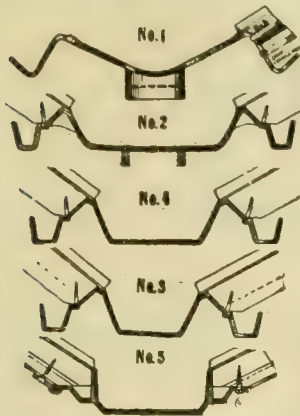
THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

THE ALLIED TRADES

THE Greenhouse Construction Co., of Bloomfield, N. J., has been incorporated, with capital stock \$125,000 to engage in the building and designing of greenhouses. E. J. Forham, C. F. Martin and H. P. Jones are the incorporators.

PETER WEILER, who has been making boilers for the past 32 years, and who is the principal owner of the Superior Machine & Boiler Works, 840-850 Superior street, Chicago, reports business moving along briskly and inquiries reaching his office from all parts of America. His boilers make good wherever installed as evidenced by the large number in use by the nursery, greenhouse and florist trade.

Outlook for Glass.

Chicago.—Indications point to an advance in price for window glass. Stocks on hand are down to minimum, with the local dealers laying back awaiting developments and not very anxious to quote figures. Some business is moving, but this was placed long before in most instances. A. A. Lavaque, assistant to W. G. Kimball, local manager for Pittsburgh Plate Glass Co., outlined the present conditions as follows: "From present indications there is likely to be a delayed start on the part of the window glass manufacturers owing to the workmen asking for an advance of at least 25 per cent over and above the wage scale that was in use during this fire. The advance seems in a general way rather high, and there is no reason to doubt but what several conferences will be indulged in before a satisfactory settlement is arrived at. This naturally will mean that unless something unforeseen happens a general resumption on the part of the manufacturers will not take place until the latter part of October or the early part of November. In the meantime it is hard to tell how much higher glass is likely to go."

Sprague, Smith Co., 167-169 Randolph street, Chicago, report inquiries good, with little glass to offer.

In Your Next House Let us figure with you on our Steel Truss Construction

It does away with the interior roof posts, giving a clear floor space.

In the woodwork you won't find anything better than our

Gulf Red Cypress

Let us hear from you; it will be to your advantage to get our plans and estimates before letting out the contract for material—

Ventilating Machinery, Iron Fittings, Pipe, Glass, Putty, etc. Pecky Cypress for bench material.

The Foley Manufacturing Co.

Western Ave., near 26th St., CHICAGO.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

CYPRESS

Is a wood that has come into very general use in

**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets. PHILADELPHIA.

**VENTILATING
APPARATUS**

Send Advs. Early for Best Service.

It will certainly pay every florist and grower of outside stock to investigate the merits of

The Wittbold Watering System

Under this method you can be assured of **even** watering at a minimum cost, both as to time and labor.

The installation is very inexpensive. Let us tell you all about it.

E. H. HUNT, 76-78 Wabash Ave., Chicago

Boiler Flues

4-in. and other sizes, cleaned and trimmed ready for heating, retubing boilers or gutter posts. Prices right. Also sales Agent for Stuttle's Patent Clamp for joining flues.

H. MUNSON,
506 No. State Street, CHICAGO, ILL.

Gorham & Chapline
Printery Inc. CATALOGUES
PRICE LISTS.

HALFTONES, ENGRAVINGS and
PRINTING FOR **FLORISTS.**
358 Dearborn Street, CHICAGO.

The Regan Printing House
LARGE RUNS OF
CATALOGUES

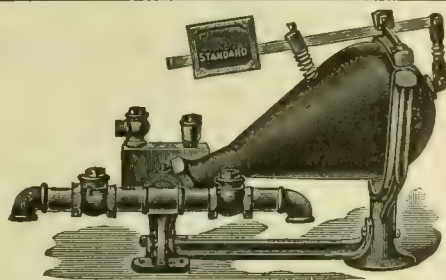
OUR SPECIALTY
WRITE FOR FIGURES.
91 Plymouth Place, CHICAGO

Cement Benches.

ED. AMERICAN FLORIST:

Please answer these questions in the AMERICAN FLORIST: How much material will it take to make cement benches in two houses each 20x50 feet, no partition, gutter supported in center by single iron pipes? State also the proper thickness to make same and the cost. How best to support heating pipes under benches. Could cement bench legs be used for this purpose? Space to be planned as economically as possible for bench room, outside doors at either ends of houses. LINOLEUM.

"Linoleum" has asked several broad questions, the answers to which depend upon conditions. As to the amount of material and cost this depends largely upon the present price of cement, sand and labor, also the kind of concrete benches to be constructed. Six sacks of cement made up in the proportions of one part cement to four parts sand will make one cubic yard of concrete, which equals 27 cubic feet or 46,656 cubic inches. At \$1.20 per barrel or 30 cents per sack for cement and sand at \$1 per cubic yard the ma-



The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand Pulverized Sheep Manure



The Ideal
Plant Food
for Florists.

NATURAL GUANO COMPANY,

Aurora, Ill.

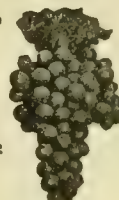
terial for one cubic yard would be \$1.80 for six sacks cement and 80 cents for sand—total \$2.60. In arriving at the cost the labor involved must be added thereto. Coal ashes from the boilers may be substituted in all or

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR

Vines,
Tomatoes,
Cucumbers,
all Flowering,
Foliage and
Fruit bearing
Plants,
Vegetables,
Lawns, etc.



The result of
many years
practical
experience.

**PERFECT
PLANT FOODS**

Sold by
Leading
American
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum
and Topdressing Manure**

Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.

For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

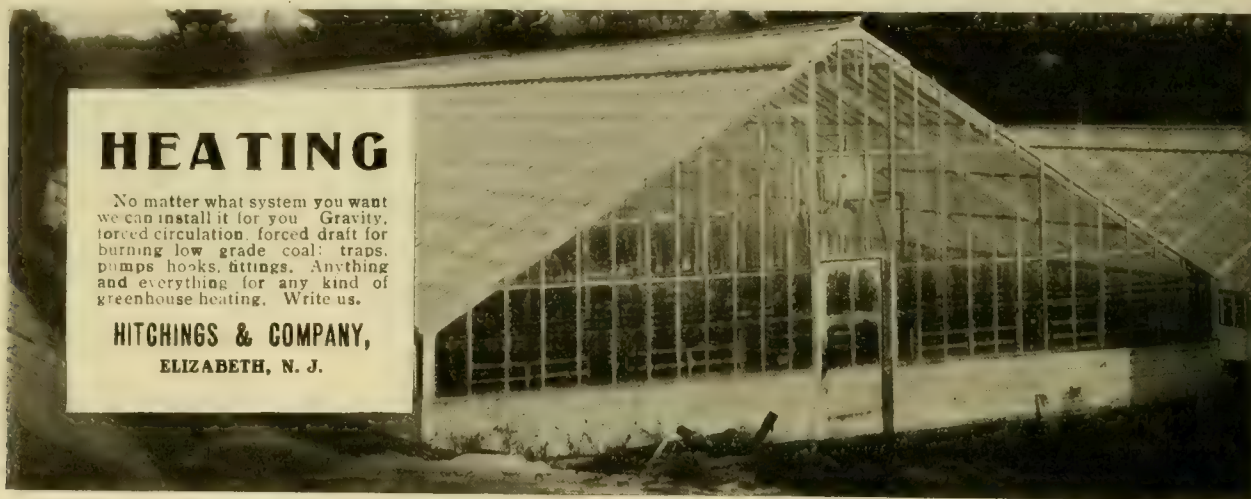
part for sand and thus reduce the cost. When ashes are used they should be put through a 1/2-inch meshed screen.

As to the proper thickness of such construction much depends upon the width of the benches, the distance the

HEATING

No matter what system you want we can install it for you. Gravity, forced circulation, forced draft for burning low grade coal; traps, pumps, hooks, fittings. Anything and everything for any kind of greenhouse heating. Write us.

HITCHINGS & COMPANY,
ELIZABETH, N. J.



post or supports are apart and the strength of the reinforcing material. In the method we employ the side pieces, which are 54 inches long, reaching from post to post, are made similar in form to a capital letter L. These are reinforced with $\frac{3}{4}$ -inch cold drawn lug bars extending the entire length, being placed at the junction of the upright and horizontal parts, forming the right angle.

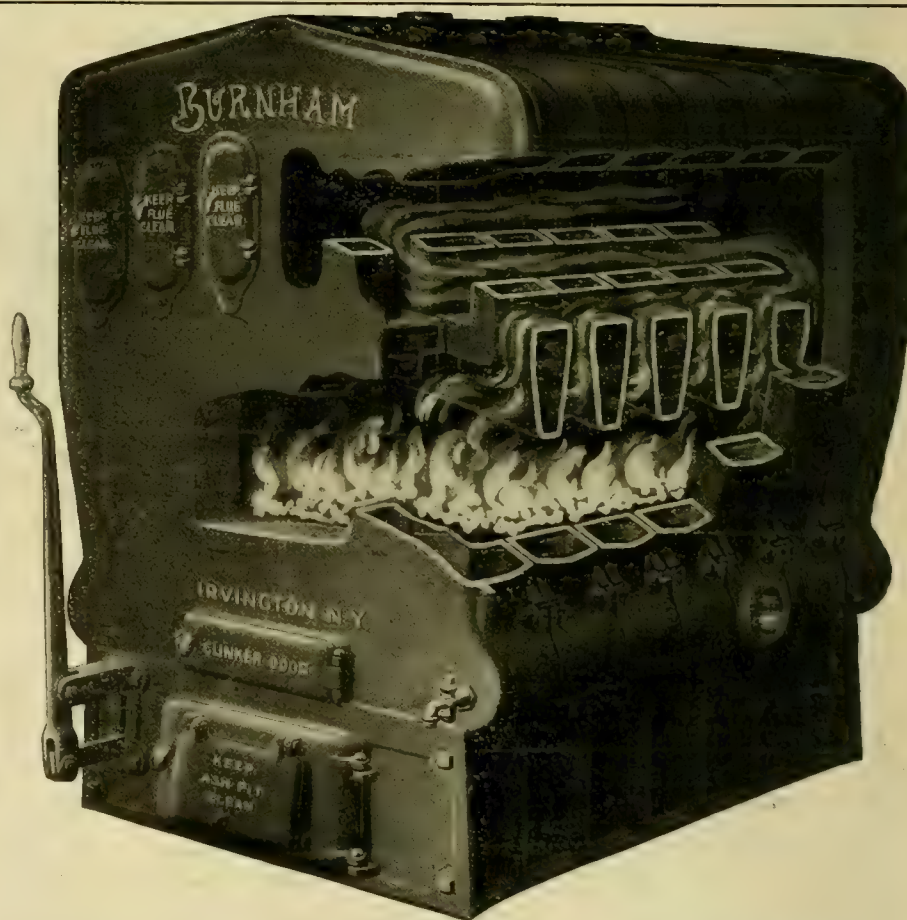
The upright serves the purpose of the edge board to a wooden bench; is $1\frac{1}{4}$ inches thick and the horizontal section extends beyond the upright $1\frac{1}{2}$ inches to receive and support the sections which form the bottom of the bench and is two inches thick. The bottom sections are $1\frac{1}{4}$ inches thick and eight inches wide, reinforced at the outer edges with $\frac{1}{4}$ -inch lug bars. The size of the reinforcing rods for the bottom sections depends upon the width of the bench, but when they do not exceed four feet a $\frac{1}{4}$ -inch bar will suffice.

We prefer concrete posts to those of any other material, which can be easily made in mold, either round or square and any length required. We make concrete blocks five inches square and long enough to receive the required number of steam pipes and place them on the ground at the proper grade, upon which the pipes are placed. If "Linoleum" has on file the FLORIST of April 17, 1909, he will find a detailed description of the parts used with illustrations of same as well as how the steam pipes are installed.

ELMER D. SMITH.

ELDORA, IA.—The J. S. Pollard Floral Co. (J. S. Pollard of this city and J. M. Pierce of Des Moines) is constructing a \$25,000 greenhouse.

WASHINGTON, D. C.—The fourth annual outing of the Florists' Club was held at Great Falls, Va., July 27. About 300 members of the club and their friends made merry. The committee in charge consisted of George C. Shaffer, Elmer Mayberry, W. W. Kimmel, Otto Bauer, and A. C. Oehmüller, who left nothing undone in their efforts to make the day the most successful ever held. Two special trains were chartered on the Great Falls line. The party returned home at 9 o'clock. Athletics were the feature of the day and prizes were awarded in 17 events. A delegation of prominent Baltimore florists were present at the outing.



That Burnham and Its Workings.

Many boilers are built a good deal on the tea kettle plan, and use only such heat as comes in direct contact with the surfaces immediately over the fire—the rest of the heat shoots out the chimney in dollar bunches.

The Burnham has the tea kettle and other forms of Cast Iron Greenhouse Boilers "beaten to a stand still." In the first place the Burnham surfaces directly over the hottest part of the fire are not flat like a kettle, but made in a series of deep

waterways with fire channels on each side, making more than three times as much surface for the heat to strike.

Then after leaving the channels, the hot gases pass up the side flue openings and travel back and forth three times between still more waterways that grab practically all the heat that is left.

Such a boiler squeezes every available bit of heat out of every pound of coal burned. Where is there another such greenhouse boiler? Send for prices.

Lord and Burnham Company

IRVINGTON, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Hed Bldg.

Chicago
The Rookery

The Moninger-Furman



Saves coal.
Lasts a lifetime.
No flues to clean and plug.
Send for catalog.

JOHN C. MONINGER CO.
CHICAGO
902 Blackhawk St.

Mention the American Florist when writing

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all Our
*Metal Designs, Baskets, Wire Work,
and Novelties*, and are dealers in *Glass-
ware, Pottery, Decorative Greens* and
all *Florists' Requisites*.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes $\frac{3}{4}$ and
 $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50
15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS

Manufacturers of the Model Plant Supports for
Carnations, Dahlias, Golden Glow, Peonies
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. BROOKLYN, N. Y.

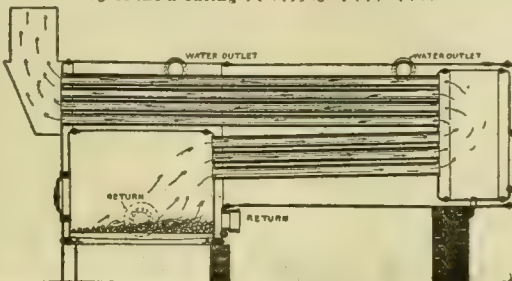
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$ of the heating surfaces are return flues.

Ask the
man that
knows the
one using
different
style boilers
—names are
yours for
the asking.



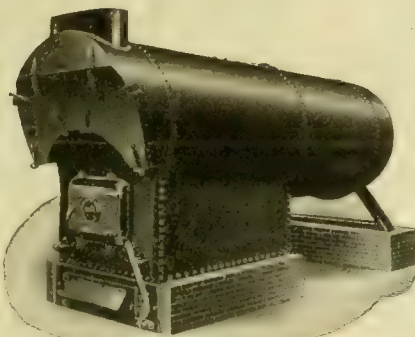
After using
our boiler
one season,
you will say
like all
others:
Nothing but
"Superior"
for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



The Gem City Return Tubular Firebox Boilers

Are the most economical for
Greenhouse heating.

Send for descriptive matter
and prices.

THE GEM CITY BOILER CO.
DAYTON, OHIO.

The KROESCHELL BOILER

IS THE ONLY PERFECT
HOT WATER BOILER.
(NOT CAST IRON)

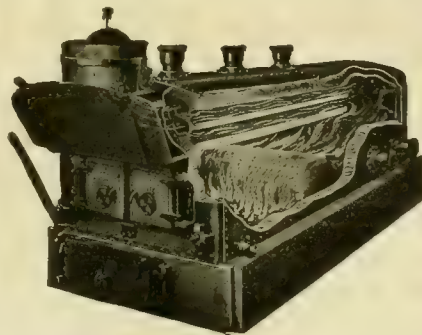
Has water in front, sides, top and
a water back.

Made in 15 sizes, heating 6,000 to
50,000 square feet of glass to
60° at 15° below zero.

Prices and catalogue on application.

KROESCHELL BROS. CO.

452 W. Erie St. CHICAGO.



Steel Return Tubular Boilers

The Most Economical Type of Boiler
for Greenhouse Heating. Highly
recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St.,
NEW YORK.

**Holds Glass
Firmly**

See the Point at
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



WILKS' Hot Water Boilers

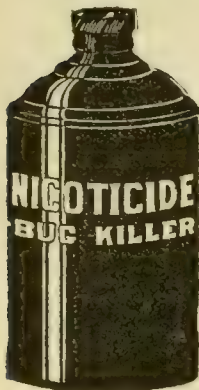
ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to

P. R. PALETHORPE
COMPANY,
Owensboro, Ky.

*green Flies and
Black ones too*

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Oakland, Calif.

Recognizing the need of better support for the State Horticultural Commission, which is engaged in a ceaseless endeavor to protect the growing fruit crops from thrips and other numerous and varied pests which constantly threaten to destroy, the merchants exchange recently adopted the following resolutions, to be presented at the next session of the legislature:

"Whereas, the state of California is the producer of the greatest variety of fruits of any portion of the world.

"Whereas, the revenue from the sale of that fruit aggregates millions of dollars annually.

The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also **Violet Thread** for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
Thrips Mealy Bug, Red Spider,
Scale, Wire Worms, Ants
and Slugs.

This is the grower's friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down mildew. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.**



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

"Whereas, constant vigilance must be exercised to keep the trees and vines in a healthy condition so that the quality and quantity of production may be not only maintained but increased.

"Whereas, the annual appropriation by the state of California to the Horticultural Commission is about \$15,000 per year, an amount which is inadequate; therefore be it

"Resolved, by the Merchants Exchange of Oakland that we favor the increase of said appropriation to an amount adequate to the needs of this important industry, said amount to be not less than \$50,000 annually.

Aphine's Increasing Popularity

As a General Insecticide for
Destroying Greenhouse
and Outdoor Pests

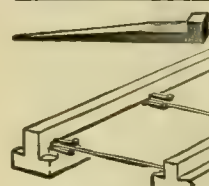
Is due to the hearty endorsements of the many expert floriculturists who have thoroughly tested APHINE and have not found it wanting.

Its success is the talk of the trade.

**It does all that is claimed
for it, and more.**

Ask your supply house for APHINE, or write us for name of our nearest selling agency.

**Aphine Manufacturing Co.
MADISON, N. J.**



**Siebert's Zinc
Glazing Points.**

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00.

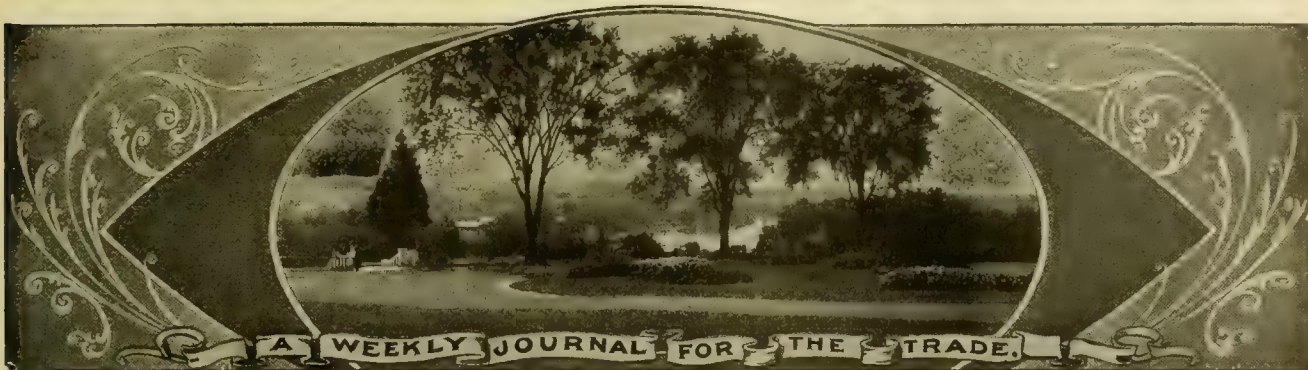
**VAUGHAN'S
SEED STORE
Chicago or New York**

DES MOINES, IA.—R. F. Weirick, city landscape engineer, is making plans to improve the beauty of the capitol building and to show it to its best advantage. The plans will be submitted to Governor B. F. Carroll and the city council for approval.



STANDING WREATH OF ROSES AND WHITE HYACINTHS.

THE AMERICAN FLORIST



America is "the Frow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, AUGUST 13, 1910.

No. 1158

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1910, by American Florist Company.
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

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324 Dearborn St., Chicago,
Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.

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year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,
American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Rochester, N. Y., August 16-19, 1910.
Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice-President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

SOCIETY OF AMERICAN FLORISTS THOSE CONSTITUTIONAL AMENDMENTS

Notice has been sent to the members of the S. A. F. of a number of amend-
ments to be brought up for considera-
tion at the coming convention. The
most important of these are the series
intended to make the members of the
board of directors elective and to make
the office of the secretary and treas-
urer appointive by the board of direc-
tors.

The present conditions are that the
board of directors consist of 11 mem-
bers, namely, the president, first vice-
president, secretary and treasurer, who
are of course elected each year, and
the junior ex-president who was elected
the year before. Those five members
can be said to be elected by the direct
vote of the members of the society.
The other six, which is a majority of
the board, are appointed. They are the
personal appointees of the president,
each president having the privilege of
appointing two, so that the society is
in the somewhat anomalous position of
having a majority of its board of di-
rectors not elected by itself, but the
personal appointments of various pres-
idents. The amendments, if carried,
will reduce the board of directors from
11 to 9 and make them all strictly
elective.

Theoretically, at least, this seems
more in accord with the general cus-
toms of this country and is the practice
in nearly all corporations existing in
this country. Practically all ordinary
corporations are compelled to elect
their board of directors by the law
under which they exist.

It will be noted that the amendments
also take away the voting power in
the board of directors from the sec-
retary and the treasurer. If these offi-
cers are to be appointed by the board
of directors it would certainly be an
exceedingly bad proposition to give
them a vote in the deliberations of the
body which appoints them and which
can remove them. It seems to the
writer that so long as the present
close scrutiny of the handling of the
funds is carried out, and the heavy
bonds are required from the treasurer,
that it really makes very little differ-

ence whether he is elected or is ap-
pointed.

The office of secretary, however, it
would seem, could be most wisely taken
out of politics. The secretary is the
chief clerk of the society; he is the
only person expected to devote any
great amount of time to its work and
should be placed in position so that he
would be dependent for reappointment
on the directors who are closely asso-
ciated with him and have a thorough
knowledge as to the quality of his
work.

It seems to the writer that it should
be the policy of the society to get the
services of the best man obtainable
and to keep him in office continuously.
A new man in the secretary's office
can not possibly pick up all the details
and be in position to give the society
the best work of which he is capable,
until he has had one or more year's
experience. There are also many times
when, if he carries out his duties with
sole reference to the best interests of
the society, he must offend some of
the members. If he is subject to re-
election by popular vote, the tempta-
tion to the average man will be to let
the interests of the society "go hang"
when it is a case of securing the sup-
port of a possibly influential man for
his re-election, as against making that
same man an active worker against
him. It would seem a reasonable propo-
sition that the best service from a sec-
retary will be secured by removing any
temptation for him to mix up in poli-
tics or identify himself with political
factions, which will certainly be the
case if the office continues to be an
elective one and the incumbent wishes
to hold it for any length of time.

The president is frequently a new
man who has had no service on the
executive board and is entirely un-
familiar with the working machinery
of the society; he is compelled to rely
largely on the knowledge and experi-
ence of the secretary, and both are
handicapped when the secretary is a
new man and lacking in experience.
A good secretary is like certain spirit-
uous liquors; if not compelled to con-

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Department.**

stantly play politics, he is sure to steadily grow better with age. I speak at the present time from personal experience knowing how much (although I had seen four years' service on the executive board) I was compelled to rely on the thorough knowledge of the society's conditions possessed by Wm. Stewart, not only by reason of his great ability, but also through his long service. The contrast was impressed upon me most forcibly when recently I came to fill the position of secretary under President Traendly and to realize how my lack of experience in the details of the office made me less helpful to President Traendly and less useful to the society.

The amendment to Article 5 is with the intent of giving the society the privilege of saying when it shall meet, as well as where. Under the present conditions no matter how necessary it might be for the interests of the society to change the date of the meeting for even one week, it could not be done unless a formal notice to change the by-laws had been got up some months in advance and all the rest of the red tape had been gone through. The argument has been advanced that we ought not to make this change because it had always been the other way. This seems to me about as poor an argument, either for or against any proposition, as one could possibly bring up. I can not see why we may not as safely trust ourselves, when we are assembled in annual convention, to decide what time we shall meet as to decide where we shall meet. There will be nothing to prevent our continuing to meet at the same time in August as heretofore unless the majority of the society wish to meet at another time, and whenever the majority of the society wishes to change the date it certainly seems that we should give ourselves the privilege of doing so.

The last amendment contemplates the changing of the fee for life membership from \$25 to \$50. This has been repeatedly thrashed out and voted down, but it still seems to me that \$25 is an absurdly small fee for life membership and I feel quite confident in looking over the present list of life members that there are but few of them who would not have taken the life membership just as willingly at a \$50 fee as at \$25. W. N. RUDD.

NORWOOD, R. I.—Nathan D. Pierce's place consists of 30,000 feet of glass and he grows principally carnations, green goods and a very extensive line of small ferns, suitable for ferneries. Mr. Pierce has an up-to-date nursery of 10 acres and does an extensive business in this line. He has installed a new gasoline pump at his greenhouses on Pawtuxet avenue upon which he will depend for his water supply. The new apparatus is a powerful one and draws the water out of a well 85 feet deep, carries it along the surface for a distance of 300 feet and then sends it up into a tank 33 feet high. The capacity of the pump is 24 gallons per minute. The installing of the new pump does away with an old windmill which has been a familiar sight in that section for the past 40 years.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Cut Flower Express of the French Riviera.

There is no possible doubt whatever but that Paris is the greatest known outlet in all the world for cut flowers. The municipal flower markets of Paris alone, chiefly provisioned during the winter months from the gardens of the French Riviera, sold, in 1909, roses to the value of 1,500,000 francs, carnations to the amount of 2,300,000 francs, 5,000,000 francs worth of violets and 300,000 francs worth of mimosa, not to mention countless millions of blooms of the Roman hyacinth and narcissus which made a large part of the 200,000 individual shipments for the six months' season from Ollioules, in southern France, alone.

Chiefly these cut flowers arrived at the Halles Centrales by the "Rapide des Fleurs," as the special cut flower express of the omnific Paris, Lyon and Mediterranean railway is known,



The Cut Flower Limited of the French Riviera

from the Mediterranean coast towns stretching from Ollioules (the greatest of bulb growing centers) in the Department of the Var, just west of Toulon, to Vintimille and the Italian frontier.

Actually this flower traffic of the Riviera sprang up with the advent of Alphonse Karr, the "ecrivain-jardinier" at Saint Raphael something more than a quarter of a century ago, and his beneficent desire to develop an infant industry, not necessarily in the modern, up-to-date, systematized and highly organized way of doing things, but in a certain enthusiastic and sincere way in which many a great industry has been born. His idea was to make the floral products of the Midi known among the flower lovers of the capital, and, indeed, if possible, throughout the markets of Europe. It was from this early enthusiasm of Karr that the Paris public really came to cultivate its taste for the violets of Hyeres and Nice, the roses of Nice and Grasse and the carnations of Antibes and Ollioules.

Since the dilettante days of the author of "Guepes" the cut flowers of the Riviera gardens are to be found in the winter markets of Paris, London, Berlin, Vienna and St. Peters-

burg even, and the most progressive of the growers are dreaming (and it is to American enterprise and foresight that we look to to demonstrate that it is nothing but a dream, a cauchemar, perhaps) of invading Broadway and State street, for American prices look very good to the narcissus grower of Antibes who is content with say three francs and a half for 600 blooms, whilst New York ruling prices in November are perhaps \$2 per 100 for the same article.

The cut flower express had been in service during the winter months for some years when the present season (commencing October 25, 1909) saw No. 3832, as the train is officially known, specially manned with a crew of 10 whose business it is to sort out the packages enroute that no delay may be suffered when it comes to transferring and delivering them at Paris. It is the same sort of service as is rendered by the traveling mail clerks of the "cannonballs" and the "flyers" of America, with this difference that it is all package mail.

From Vintimille to Ollioules this "Train Rapide des Fleurs" stops at every flower-growing center for a distance of over 200 kilometers—Menton, Nice, Antibes, Cannes, Toulon, etc., when it runs express to Paris on a schedule which in speed is a near approach to that of a New York and Chicago Limited. Three times a week it stops at La Blancard, just outside of Marseilles, to take on one or two cars of "primeurs" (early vegetables) which may have arrived by boat from Algeria and Tunisia, but otherwise it runs without a stop to Paris, save as it becomes necessary to take on coal or water or change locomotives. The trade in primeurs, like that of flowers, is an important one for the grower, the dealer and the consumer alike and, now that the truck farmers of Mediterranean Africa have learnt the trick, new potatoes in January are no more a novelty than in June.

In all interpretations of the words the service is that of a "fast freight" if there ever was one, and 12-15 hours from the time the "Narcisses vrais" and the "Narcisses Tazette" were growing in the sunlit fields of Le Pradet, Hyeres and Antibes on the shores of the Mediterranean they may be bought as fresh as when first picked from the flower women clustered on the steps of the Madeleine or behind the Palais de Justice at Paris.

It is the hyacinths, carnations and violets that make up the bulk of the cargo of this floral train, and while statistics of the separate species are lacking one may well judge of the volume of the business from the following figures, the last available. Antibes sent, in 1909, 42,585 separate shipments to Paris and nearly 50,000 to Germany. From Hyeres over 40,000 went to England and over 50,000 to Germany. Cannes sent nearly 50,000 to Paris, considerably over this amount to England and appreciably the same to Germany. These figures were even exceeded at Ollioules—where the bulbs come from—for the season of 1907-08, when 128,506 individual shipments were sent by rail to



OLLIOULES FRANCE, WHENCE 200,000 INDIVIDUAL SHIPMENTS OF CUT FLOWERS ARE MADE TO PARIS, ENGLAND AND GERMANY IN THE SEASON.

England and 31,551 to Germany. The season of 1908-09 showed a small falling off but this was due probably to temporary local conditions rather than diminution in the demand or any just reflection on the quality of the Ollioules product or the prices thereof.

In the Department of the Var, the chief agricultural department of southern France (here there is a United States consular agency at Toulon through which the great bulk of the American purchases of French flowering bulbs are legalized by the certification of their invoices) there were nearly a million individual shipments of cut flowers during the season of 1908-09, with Ollioules and Hyeres in the first rank with something like 200,000 shipments each to their credit, tailing off with Le Pradet and La Garde with from 10,000 to 15,000.

Much of this vast traffic in cut flowers at a distance is made possible by the cheap and efficient parcels post service of the French government, when frail delicate flowers packed in the flimsiest of straw panniers and the lightest of pasteboard boxes, at weights varying from three to 10 kilos, are delivered throughout France at a uniform rate of 60 to 80 centimes and one franc, 25 centimes, for three, five and 10 kilos respectively. This is not a heavy transport burden to fall on either buyer or seller. The special care given these floral products of southern France by all classes of rail-

way and postal employees practically assure their arrival at destination in good condition.

The same line of development is now being put into operation on the Italian Riviera, where the growers of the Ligurian littoral, between the French frontier and Genoa, have recently been granted special quick delivery of their products in Turin and Milan, with an extension to Vienna, and certain Swiss and German towns as well, in serious competition with the French grower, be it remarked. The markets of London, Berlin and even St. Petersburg are all reached by the special cut flower limited each day during the winter season via Paris.

The chief qualification on the part of the grower for controlling the cut flower trade in France (or elsewhere where the flowers are to be sold in far-away metropolitan markets) is that the horticulturist shall be sufficient of an expert in matters of transport and market conditions to be able to take advantage of the naturally higher prices obtaining before the height of the season which, with regard to most open air grown flowers, cannot be prolonged beyond a certain well recognized period. The question of market and transport thus comes very early into the project.

Co-operation, to a certain extent, on the part of certain neighborhood growers, or an alliance or syndicate of

some sort is indomitably imposed if best results are to be obtained, leaving the individual grower all freedom as to prices and the manner in which his product shall ultimately be put before the consumer. It has been by a concerted appeal to the French railway and postal authorities that the transport facilities northward from the Mediterranean shores have been brought to such a satisfactory state. It was thus in the inception of the projects and it was the present year when increased facilities were demanded and granted, in the first instance when traveling sorters were placed upon the train, and in the second place when the time schedule was cut something between an hour and an hour and a half, thus enabling the London market to be reached six hours earlier than formerly, a circumstance which was appreciated more particularly with respect to market conditions than for any difficulties which presented themselves in the transport of the flowers because of the increased distance which they had to be transported.

This same "push all together" by the growers of San Remo, Bordighera and elsewhere on the Italian coast has enabled them to reach hitherto unexploited markets by new means and concessions recently offered by the Italian government railways. The parcels post, the efficiency and simplicity of its service and the modesty of its

prices, has done the rest. That this cheap and efficient form of transport is one of the great blessings of the French flower grower is not to be denied.

In France still further projects are in the air. So long as cut flowers from southern France are not a drug on the markets of London, Paris and other northern cities, even at the prevailing cheap prices, the Riviera growers will ever seek additional means of furnishing a still further supply and thus meeting any reasonable conditions which may present themselves. The output will be increased by "forcage calorific" (forcing under glass) and by chloroformization and etherification and cold storage during the period of transport will be made use of if found necessary to better present the flowers upon their arrival; when perhaps it will not be such a great step after all to place the violets of Nice and Hyeres and the carnations and narcissi of Ollioules on the marble tables of the florists of the Great White Way.

M.

Casket Covers.

One of the most elaborate floral pieces that passes through the hands of the retailer is the blanket or cover for the casket. To the uninitiated such an order oftentimes looms up as a mountain of trouble, when in reality it is just as easy as going down hill. The first thing necessary is to get the size, the length and width of the top and depth of the sides. Have the wire worker make a firm but single thick frame with meshes about two inches, of light wire, arched to conform to the top of the casket. Rest this on two boxes a trifle higher than the depth required and it is ready for decoration. Cover the frame with asparagus or smilax; no more is necessary, and then wire on the flowers. When the top is finished, add side sprays of green the required length, attaching them to the outside edge of the wire frame, and placing them one after another at regular distances so as to present a comparatively even surface. These are then covered with flowers in a similar manner to the top. Such an arrangement as this is easily transported, the sprays being brought up and laid over the top.

A simpler method is to make strands of green, strings of smilax or asparagus which will reach the full width and depth of the casket. These should be arranged evenly crosswise over the frame and fastened at the edges. A few short strands are added to cover the head and foot. These are then covered with flowers as before described. There are innumerable ways in which the flowers may be arranged; it is best in placing roses to attach them starting at and facing the outer edge and finish in the center with a band of lily of the valley. A pretty finish around the bottom is a fringe of lily of the valley, a few sprays being tied to each hanging strand with baby ribbon. An effective and easily managed blanket is made without a frame. Strings of smilax or asparagus the proper length to reach from one bottom edge of the casket to the other are placed side by side crosswise of the casket. They are held together and

made into a green sheet by means of strands of 21 to 23 wires.

These are wrapped around each string, running lengthwise of the casket weave and holding them the proper distance from each other. These lengths of wire should be about six inches apart. The ends, or head and foot, will require small separate sprays attached to the two outer strands. Such an arrangement when covered with the necessary flowers is very pliable and adheres closely to the form on which it is placed. Blankets have been made of silkline on which roses without stems have been sewed so as to completely cover the material. Such an arrangement runs into money, as does one of all cattleyas or double violets which are occasionally ordered by those who can afford them. Wire gauze is often used as a foundation, to which is attached the green and flowers by needle and thread or short pieces of fine wire. Some wire workers keep in stock adjustable forms that can be easily fitted to any size casket. These are made with openings for the closed case with glass in the lid. Usually when the casket is not opened the blanket is put in place on arrival, but where the body is exposed to view, as at most ceremonies, it is laid on at the final closing and accompanies the body to the cemetery,

where after the interment is finished it forms a most suitable covering for the grave.

Floral Palls.

Some of the richest and best of the retailer's work goes out in the form of casket covers or palls, and, it must be said, some of the poorest also. Making a good cover is expensive work, and it should not be undertaken unless a good price is forthcoming. In the best work a silk net foundation is used in place of the stiff heavy wire foundations that have long been used for the purpose. Casket covers made from such material can be draped naturally and effectively over the casket, and when the latter has to be moved the hands of the bearers are not brought into connection with stiff unyielding wire, but the soft yielding silk which looks very much nicer and is better in every way. Of course, the question of expense comes in here as it does everywhere when good things are needed, but in all but cheap work the silk net as a foundation is the only thing for a good artist to use.

The flowers and greenery to be used depend entirely upon the taste of the friends or relatives ordering and the season. In winter and spring, violet



STEAMBOAT WALKING BEAM IN FLOWERS.

Executed by Malandre Bros., New York, for the Funeral of the Captain of a Large River Steamer.



CASKET COVER OF ORCHIDS AND LILY OF THE VALLEY BY THE ART FLORAL CO., SAN FRANCISCO, CALIF.

palls are very suitable when expense is not an object. It takes many thousands of violets to make a full-sized cover, and there is a lot of work wiring the little bunches, drawing them through and fastening them on the back, but there are frequent occasions in the best trade when such covers are ordered, and when the price is right the retailer may well advise their use, for they are unequalled for richness, and no flower is more suitable than the purple violet. Very beautiful effects can also be had by using violets for the ground work of the cover and making a design such as a cross or spray of lily of the valley, Easter lilies, white carnations or other flowers for the center and other prominent places on it.

Southern retailers, when flowers are scarce, make a cover by wiring galax leaves closely all over the surface, and arranging clusters of flowers in the center and at the corners, not hard bunches, but pretty, loosely arranged ones with sprays of lily of the valley, narcissi, hyacinths, or some such flowers leading from one to the other. But one of the most commonly used foundations or ground work for a pall is made by wiring on strings of *Asparagus plumosus* closely together. Nearly any flowers are suitable for use this way, anything in short that will lie flat and yet make a good showing. Again very nice effects are had by using crosses or other arrangements of flowers in the center and at the corners, and connecting these with tracery of smilax and small flowers, not in stiff lines but naturally and prettily arranged.

THE accompanying illustration of a pall of cattleyas and lily of the valley shows what superb effects can be secured by the use of these exquisite flowers in the hands of a skilful designer. This pall was the work of the Art Floral Co., San Francisco, Calif., and was made for a recent funeral.

The Mission of the Trade Paper.

A paper read by Robt. Kift at the monthly meeting of the Florists' Club of Philadelphia, August 2.

If an interesting event occurs and one cannot be there and see for themselves, the next best thing is to read about it. We put on our long distance glasses, so to speak, and are enabled through the written story to be almost present, to see in our mind's eye the important features, and in addition have a record that oft-times would escape us, or perhaps be entirely forgotten.

THE PIONEER.

The trade paper, published in and for the interests of the florists, and kindred industries, the medium that enables us to do all this and more, came into life with the advent of the Society of American Florists in Cincinnati, 26 years ago. The "Pioneer" was, at first, a small sheet, and appeared daily, containing the doings of the convention: it was afterwards issued as a semi-monthly journal, devoted to the various branches of the flower and plant raising industries. From the first it was successful and full of interest for the wide awake men of the business. They sought in its pages the best thoughts of those who were leaders in their special lines, and were not above giving their experiences and helping, in this way, to further the work of their fellow craftsmen. In a short time the semi-monthly became a weekly, with a circulation that reached to every part of the country.

In journalism, as in every other field of human endeavor, there is competition, and in time others came forward offering their services and asking for an opportunity to show what they could do toward advancing the good work. From time to time the number of these publications increased, until at this date there are five in this country and one in Canada, all exclusively for, and issued to, the trade only. All have but one object, or mission, that of

furthering the business of the florists and allied interests, and each hoping to obtain a share of the reward that comes to every well planned enterprise. Not only have these increased in number, but their growth in volume and efficiency as they have catered to and received the support of the craft, has been most gratifying. Able editors have systematized the work, providing departments over which preside men who are well known experts in their lines. The rose, the carnation, the orchid, palms, ferns and other plants are treated by these specialists, in their various sections, in the most thorough manner, imparting information to the average grower that is invaluable.

ALLIED TRADES.

The very important matters of greenhouse building and heating, are handled by men of large experience, and no undertaking in this line that shows an advance or possible improvement but is described in detail for the information of the trade. Many successful men, in all branches of the business, whether from diffidence, or lack of time, cannot be prevailed upon to prepare essays or papers, but in some instances will submit to an interview, and in this way much valuable information is obtained, and spread broadcast that could not reach the craft in any other way. There is no question but that their efforts in this line have a distinct uplifting tendency. They present everything interesting, of an educational nature, that has merit. The papers that are read before the various conventions at their annual meetings, and at the monthly gatherings of the florists' clubs and horticultural societies are all given, and in many cases reporters are present, even at the minor events, to see that nothing of importance transpires that is not recorded and written up for the benefit of their readers.

ILLUSTRATIONS.

Photography, which now plays such an important part in journalism, enables the writers to illustrate their articles, in addition to their word pictures, with an image so natural that it is at once satisfying. If a new greenhouse structure is described, the photograph, so real, shows more than a written story. Should the subject be a new rose or carnation, the intelligent grower will be able to judge at once of its merits, or demerits, from the photographic reproduction. Something extra fine appears in the market, the product of a modest grower; he is hunted up, the fact that such results may be obtained is given to the interested public with probably an illustration to prove it.

One of the strong features of the trade journal is to be found in its social columns. Here is a record of events of a more or less personal nature. "All work and no play makes Jack a dull boy" and here the "Boys" are followed in their various outings and social gatherings in a manner that makes very pleasant reading for all of us. The passing away of those whose life work has been one of devotion to their chosen profession, and who have been more or less a factor in its progress, is always fully chronicled and a record made of their achievements.

ADVERTISEMENTS.

Probably the most valued of all the features of the trade journal is its advertising columns. Here in an open market the best products of the country are displayed. Are you thinking of building? a dozen different firms are there with the materials, anxious to furnish plans and estimates, a selection is made and almost before you realize it the house is up. Your heating plant is defective, or worn out, the active boiler men are seen with generators of all sizes and patterns that are more than ample in their variety, and at such prices and terms that a bargain is soon made.

It will soon be time to plant; a new variety is to be tried, or there is not enough of your own stock of an old favorite to fill the houses. A glance over the market shows a surplus here and there, and enough is soon picked up for the work. Is it bulb time? The stalls are seen, piled high with fresh stock, just imported from the bulb growing centers of Europe and the orient. Quotations of prices and quality are fairly shouted by the eager tradesmen, so anxious are they for your valued order. The center of the market is taken up with palms and ferns. What a wonderful assortment is seen, all kinds, all sizes, at all prices, spread out before the buyer in such a competitive way that the wise man, picking out the bargains, jumps in quickly and makes a selection while the stock is full and complete.

The store-keeper is in need of supplies. He turns to the stalls in the market and just what he wants is seen displayed or is hurried to him from the factory by the first express. Has he a hurry up order for flowers, and nothing in sight around home, he is in a quandary, but a look shows him a score of men in this wonderful market standing, 'phone in hand, and the box of roses, that so much depends upon, is off to the depot in a jiffy. And so it goes, all along the line. The

hundred and one things are to be found in quantity in this greatest of all markets. There is no compulsion to buy, but if you see what you want and the price is right, you take it. Strange to say there are stall-holders in this market who declare it does not pay. Well, we have all seen stocks offered in such a way that attracted few, if any, buyers. Most goods have to have extraordinary merit to sell themselves. To secure attention the display must be bright and attractive, it must be changed frequently to catch the eye. Goods allowed to get dusty



Lilium Hansonii.

and shop worn are only bought by people who need them and cannot at the time get anything better. Few men will spend their money without being sure of receiving fair value in return, but many will eat up valuable advertising space and secure little or no nutriment whatever. Buying and selling in this market does pay, as is evidenced by the men who are seen there constantly and who are recognized as leaders in their special lines. My treatment of this subject may seem

a trifle too ideal, but the facts, as to the results, are not in the least exaggerated.

The publishing of a trade paper, like other ventures, requiring capital and good business management, depends for its success on the measure of its service. To get the best, the best must be given, and in the efforts to produce such results the standard is constantly being raised. Each achievement, however great it is considered at the time, but opens the way for something better. The work is never done. Each issue is complete in itself, and it requires more effort than the average reader realizes to have it on time and ready for his weekly mail. Every number received is a mental treat, to be read at the time and filed away for future reference. Unfortunately their value in some cases is not always appreciated, and we see them used to line boxes, wrap plants and put to other plebian purposes. Copies of the weekly issues bound in annual volumes present a history of the business of the country that is invaluable for reference and highly prized by those fortunate enough to have them. We can look back for 25 years and see the growth and expansion of the business, which has indeed been most wonderful, and when the various agencies that have contributed to this advancement are considered, we feel sure that the trade journal will be found to have been one of the most important factors.

Cyclamen Eileen Low.

Stuart Low & Co., Bush Hill Park, London, Eng., announce this very striking and beautiful novelty in cyclamens. Many years ago one of the growers of the old firm of Hugh Low & Co. found a cyclamen with crested petals and after considerable time and trouble had been spent in fixing this it was sent out under the name of Bush Hill Pioneer, the creasing having broken into several colors and shades. In Eileen Low another step forward has been made. The ground color of the petals is described as a lovely shade of "rose du Barri," but the great attraction lies in the distinct blush white margin of the petals and the blush white crest. Messrs. Low have long been aiming at this combination of white crest on colored petals and in Eileen Low, on which they have been working for many years, they have certainly succeeded beyond expectation, as they have it perfectly fixed. The crested cyclamen does not appear to have been much grown by our market plant men, but when the undoubted beauty of the flowers is taken into consideration and the fact that they last longer there would seem to be good reasons for taking it up. We know the class of flower that Messrs. Low & Co. have been working on for years and have no hesitation in recommending this newcomer.

COLUMBUS, O.—John C. Moninger & Co. of Chicago, have secured the contract for the construction of the greenhouse at the Ohio State School for the blind, after plans and specifications by architects Stribbling & Lum.

UTICA, N. Y.—The Crowe-Martin Co., has been incorporated, with capital stock, \$5,000, to grow flowers, shrubs, plants, etc. The incorporators are Peter Crowe, Henry G. Martin and Flora Martin, all of this city.



LILIUM TIGRINUM NATURALIZED BY THE ROADSIDE IN NEW YORK.

Notes on Lilies.

Lilies take first rank amongst the most noble and beautiful perennial flowers that decorate gardens. During recent years a number of new species have been discovered, and a succession of those handsome flowering plants can be had in bloom from about the middle of June to the end of September. It is true that a number of the different species are short-lived in cultivation, notwithstanding the most studied, careful treatment given them. In some gardens a number of species are observed to be much more lasting and persistent than the same species are in other gardens where the cultural conditions appear to be identical, so that it is frequently difficult to say why they are not similarly perpetuated.

The greatest bane to lily culture, however, is the lily disease, known to science as *Botritis cinerea*. In some sections of the country this disease is so bad that it has almost deterred cultivators from growing them. It usually manifests itself by a brown spotted condition of the leaves and the whole stem soon rots away. Sometimes this does not occur until the stem is fully developed and again it will appear when the stem is half grown, and decay soon follows. *Lilium candidum* seems to be the greatest sufferer from this disease and it frequently attacks *L. speciosum* and *L. auratum*. An English grower of lilies has stated, according to Miss Gertrude Jekyll, that he conquered this disease by digging up his bulbs when they had gone to rest and shak-

ing them up in a bag with flowers of sulphur. By this process, of course, the sulphur got in amongst the scales, and as the hostile action of sulphur on many fungoid diseases is well understood by most gardeners, it is quite likely this is a good remedy.

Nearly all lilies require a deep moist soil, and the ground shaded by mulching, or the overhanging branches of shrubs, to keep their roots cool. There is no better situation for growing lilies than peat or humus beds specially prepared for rhododendrons and azaleas. The effect of *L. speciosum*, *L. auratum*, *L. croceum* and *L. Humboldtii* in bloom amongst rhododendrons and azaleas is most satisfactory to the critical artistic eye. With the exception of *Lilium candidum*, which should be planted about the end of August, most lilies do well if planted late in the fall or in early winter. As it is frequently mid-winter before Japanese lilies can be obtained, we have excellent success by potting them, and placing them in a cold nursery cellar where the frost is excluded, or in a frostless sunken frame, where they fill the pots with roots and we plant them out about the end of April. The average depth for the crowns of most lilies to be planted beneath the soil should be about six inches and those that root on the stems above the bulbs should be planted deeper.

L. auratum, from Japan, is one of the most royal looking of all lilies. The wide spreading flowers, with the segments much reflexed, with white ground and splashed with rich deep yellow, and spots of purplish red are

exceedingly handsome. According to the size of the bulbs, the stems grow to a height of from three to ten feet surmounted with a raceme of from five to 30 flowers. They vary considerably in time of blooming, some plants flowering with us on July 11, but they are mostly in bloom about the middle of August, continuing to September 1.

L. Bolanderi, from California, has funnel or bell-shaped flowers about two inches across and two inches long, brownish red outside and deep red inside with maroon spots; it grows about two feet high. It is in full bloom about June 25.

L. Brownii (*L. Japonicum* var. *Brownii*) is a choice and beautiful flowering lily. The tubular flowers with wide spreading segments, and abruptly reflexed at the apex, are from four to five inches long, brownish red outside and white inside, and borne on stems three to four feet tall. It is in full flower here about June 18, and gives good promise of being a good garden plant.

L. Columbiana, also from California, is a small, slender growing lily one to two feet with nodding blossoms one and one-half inches long and wide, deep orange yellow, dotted with dark maroon spots and in full flower about July 1. An interesting lily, but perhaps of botanical interest chiefly.

L. croceum, from mountainous parts of Europe grows four to six feet and has flowers of the most intense orange red. The upright blossoms are produced in 8-15 dense racemed clusters, and it is in full flower about June 28. This beautiful lily is more virile and



Lilium Auratum.

Growing Among Rhododendrons at Highland Park, Rochester, N. Y.

persistent than a great many of its associates in cultivation. We have never seen it attacked by disease,

L. candidum, commonly known as the Madonna lily, with its large showy racemes of pure white flowers, is one of the most beautiful of lilies. But, as above stated, on account of its liability to disease, its cultivation has been much under the ban, which is very unfortunate. It was a common sight at one time to see glorious groups of it in bloom in cottage gardens. Barring its liability to disease, it is one of the most easily cultivated of lilies and is usually in full flower about the first week in July.

L. Canadense is a common native of damp, occasionally boggy land, in rich alluvial soil. The drooping flowers, with the segments recurved, are orange red. It is well worth cultivation and persists well in a peat bed amongst rhododendrons. It flowers in July. *L. elegans incomparabilis* is a handsome form of this species, and has upright dark and showy flowers and is in bloom about July 4. This species is from Japan and a great many forms of it are known under varietal names in gardens.

L. elegans Wallacei (*L. Wallacei*) is another handsome form of this species and has upright salmon orange blossoms and flowers about August 10. Both of these lilies do remarkably well in peat amongst ericaceous plants.

L. Grayi, from the middle southern states, is a small growing plant and produces a few terminal flowers about two inches long, dull orange yellow inside, and brownish red outside, and flowers about July 28. It has more botanical interest than garden value.

L. Japonicum roseum (*L. Kramerii*) is a very beautiful lily from Japan, with blush or pale rose colored blossoms, but in some forms they are whitish. It grows from two to three feet high and is usually in bloom about June 25. It does remarkably well in peat amongst azaleas, on a slope, where it is frequently watered, and where the drainage is naturally rapid.

L. Kelloggii, from California, grows about two feet tall. The flower seg-

ments are decidedly revolute, whitish pink inside, with numerous small maroon spots and yellowish towards the base, about two and one-half inches across and two inches deep. This is a most interesting lily, but perhaps will only appeal to connoisseurs.

L. maculatum (*L. Hansonii*) from Japan, grows from two and a half to three feet tall, but it is said to grow considerably taller in some situations. The segments are turned backwards, and are deep orange yellow, and prominently spotted with purplish maroon; the flowers are quite thick and fleshy. So far this lily has done very badly with us, where it has been growing in peat amongst rhododendrons. We expect to get a fresh supply, and will give them a little different treatment.

L. Parryi, from California, is a lily of much refined beauty. The trumpet shaped blossoms with the segments slightly reflexed at their terminals, might be described as lemon yellow and prominently spotted with chocolate-red. It grows with us from two to



Lilium Fortunei.

three feet, but it is said to grow much taller in California. It is in flower about July 3.

L. pardalinum, a Californian lily, known under the common name of leopard lily, is a fine all-round garden species, and responds remarkably well to cultivation. It usually grows about four feet, but where it is perfectly at home, it will attain a height of six to seven feet. The wide spreading flowers, with much reflexed segments, orange yellow, or deep orange, with numerous, conspicuous purplish crimson spots, with the stems often carrying from 15 to 20 flowers, render this lily a fine garden plant.

L. Philadelphicum, a common native of swamps or low moist lands in partial shade throughout the northeastern states and Canada, has upright wide spreading flowers; red to orange red, with purplish red spots. It grows from two to three feet tall. It responds easily to cultivation.

L. puberulum, from California (*L. Humboldtii*), is a lily of glorious

beauty. It varies in height from three to eight feet. The large flowers, when fully open, have the segments reflexed or turned backwards to the base of the blossoms, which is true of all the group of Martagon lilies, to which this belongs. The flowers are deep orange red, with prominent maroon spots. The stems usually carry 7-12 flowers which are much spread apart on long peduncles. It is in full bloom about July 7, and does well with us in peat amongst azaleas.

L. rubescens, from California (*L. Washingtonianum purpureum*) is slender in habit. The flowers in bud have a rose-tinted appearance and when open are rosy or pinkish purple. It is well worth cultivation and is in flower about June 28.

L. speciosum in its different forms is perhaps the best known lily in cultivation. It is probably the most lasting and persistent of Japanese lilies, excepting when attacked by disease, and does very well in rich, moist, deep soil. The three best varieties are Alba, with white flowers; Rubra, with pinkish red flowers, and Melpomene, with much redder flowers than the last. They come in bloom about the middle of August and continue to flower until towards the end of September. For cut flower decoration, they are well adapted, as few lilies can equal them in lasting qualities.

L. sulphureum, from Burma, has not been many years in cultivation, but it is most certainly an elegant species. The flowers are from six to seven inches long and from five to six inches across. The outside might be described as tinted brownish salmon; the inside creamy white. Three flowers are produced on the stem terminals. We have only a few bulbs of this beautiful lily, but we are immensely pleased with its promising behavior. It is in full bloom about August 12.

L. superbum, the well known Turk's cap lily, is not an uncommon native in rich swampy soils. The flowers, in which the segments are much reflexed, are quite typical of the Martagon group to which it belongs. The blossoms are reddish orange to orange crimson, and prominently dark spot-



Lilium Speciosum Præcox.

ted. A strong stem will carry from 25 to 30 flowers. This lily varies much in height, often not exceeding four feet, but under conditions that exactly suit it, will grow from eight to ten feet.

L. tenuifolium, the Siberian coral lily, is a dainty and pretty species. It is slender in habit and seldom ex-

Gardeners' Chronicle. However, it is now possible, by the retarding process, to have *Lilium longiflorum* and *L. speciosum* in bloom at the festive season, and a species that flowers naturally then does not gain special attention.

For many years *L. Neilgherense* was looked upon as supplying the last lily

first season, but not afterwards; in fact, *L. Neilgherense* never proved amenable to cultivation. It appears now to have become very scarce in its native habitat as bulbs are seldom imported.

L. sulphureum, however, may frequently be seen in a thriving condition. As might be expected from a native of Burmah, it is too tender for outdoor cultivation in most parts of the country, for even if the bulbs stand the winter, the flowers are developed so late that they do not expand properly. It is, therefore, as a greenhouse lily that this species must be recommended, as it responds readily to a little artificial heat during the flowering period. Though apparently the bulbs are collected and not cultivated specimens they are firm and compact, and they travel well. The large bulbils so freely produced in the axils of the leaves have, no doubt, a good deal to do with the regular supply of bulbs.

Nature's Planting.

When planting our flower gardens we rarely plant as thickly or mix things up as thoroughly, as nature does in her wild planting. A writer in the Garden Magazine notes that in a single square foot of prairie sod he found five shooting stars, one purple rudbeckia, six spikes of phlox, three wild hyacinths, one aster, five clumps of blue-eyed grass, two clumps of yellow star-grass and one clump of bird's-foot violet besides other unrecognized weeds. Certainly plants can grow and thrive under conditions that would be thought anything but ideal in a flower garden. From what we know of selective absorption by plants it seems likely that a variety of plants have a better chance of growing in close proximity than a pure stand of a single species. Possibly we could plant our flower gardens in this way with good results.



LILIUM AURATUM.

ceeds two feet in height. The blossoms are nodding, rich deep scarlet outside and inside. It is easily cultivated in any cool rich moist soil. It flowers about June 25.

L. testaceum, the Nankeen lily, is generally supposed to be of hybrid origin. This lily has long been a favorite in gardens, and its nodding, creamy white blossoms, on stout stems from four to six feet high are remarkably attractive. It unfortunately shows a marked tendency to be attacked by the dread lily disease with us, and a colony we had of it for a few years, gradually dwindled away until last year, when not a single one appeared. We shall, however, plant it again. Its cultural success is worth contending for.

L. tigrinum, the well known tiger lily, which has long been in cultivation, but originally came from Japan and China, is perhaps the most easily grown and persistent of the whole genus. We often see it in fine condition in cottage gardens in cities, and in farmer's gardens in the country. The nodding bright red flowers, on stems three to five feet high are very showy. There are several distinct forms of this lily; Fortunei is perhaps one of the most beautiful.

JOHN DUNBAR.

Lilium Sulphureum.

Large numbers of this striking lily are now being imported, and, in the days before the retarding of lily bulbs became general, the species would have been exceedingly valuable, owing to its late-flowering qualities. Its proper season of bloom is usually considered to be summer and late autumn, and I have had good flowers at Christmas, says a correspondent of the

flowers for the season, and in the period between 1880 and 1890 considerable importations reached this country. These imported bulbs met with a ready sale, for they could, as a rule, be depended upon to flower well the



LILIUM ELEGANS ROBUSTA.

Grown by E. S. Miller, Wading River, N. Y.

ORCHID NOTES.

Seasonable Notes on Orchids.

Many engaged directly or indirectly in the florist business have a chance for a vacation from their labors during the heat of summer, but not so with the florist who has lately added orchids to his list and intends to look after the same himself. He must at least keep plodding on through heat and cold, for this is the season when the foundation is laid for good results to come later on. Cattleyas, being the most useful and prominent, will need much attention. The growth of *C. labiata* is about finished and it will pay to go through the batch and set the plants over, give them more room to admit air, and tie up all growths to small stakes or to the old bulbs. This gives the new bulbs a chance to ripen up well and will be the means of saving many flowers that might come deformed and therefore unsalable. As the days shorten less watering and syringing will be needed. Admit a trifle more air, and gradually lessen the amount of shading. Try to produce that light olive green on the foliage that is most essential to good flowering. The same treatment may be given *C. Trianae*, although this cattleya takes a few weeks longer to come to maturity. Avoid over crowding, as more money will be made at less expense by endeavoring to make every plant produce its full complement of flowers, a fact that is only too often overlooked in orchid growing. Naturally newly imported stock receives all thought for the time being and to make room the older plants are pushed up together when the reverse ought to be the case, and still the cry, "Orchids deteriorate." Have they a fair show? Indeed, no. *C. Schroderae*, *C. Mossiae* and *C. Mendellii* will still need a lot of water. These are growing very fast and will want spacing over; at the same time tie up all new growths. Often in going through the plants like this, one will be found to be affected with scale. It is a good plan to dip the head of the plant in water and, with a small paint brush, the scale will be found to rub off easily, while the leaves and bulbs are wet. *C. gigas* and *C. Gaskelliana* are now resting and will only

need syringing daily and watering once in a while, but if any plants need re-potting do it now just as the new roots are pushing from the last made bulb. It is unwise to pot all the plants the same year, for very often they do not bloom so well the first year after potting.

Dendrobium nobile and *D. Wardianum* will now need much more air and water, but *D. formosum* and *D. Phalaenopsis Schroderianum* need a sunny position in a warm house to grow them well. They all delight in syringing but none will stand to be in a saturated condition all the time. *Phalaenopsis* are now making their second leaf, which owing to the unusual hot weather is earlier than usual; many plants will doubtless make three leaves this year. While these plants delight in having lots of heat, shade, and moisture too much is bad for them, so during what is known as dog day weather it is always safe to keep them drier at the root. Twice a week is

often enough to look over them. *Oncidium varicosum* and *O. tigrinum* will soon be showing their spikes and will need watching for small snails which devour the spikes as soon as they appear. The only safe way to get rid of them is to hunt for them after dark with the aid of a lamp. These plants grow well with cattleyas, but if a place is at hand that can be kept cooler so much the better, but do not give them too much shade. *Oncidium splendidum* requires a warm house with plenty of sun and enjoys the syringe at least once a day, but see that the roots are not kept too wet or the new bulbs will rot off. *Cypripedium insigne* and *C. Leeanum* will very soon be pushing up the flower spikes and want attention. Yet these are often pushed away in frames or some odd corner where practically nothing else will grow for the summer. The results are short stems and flowers and the consequence poor sales. It pays to bestow some care on them, for they always come in useful after Christmas, their keeping qualities are so good. Give them plenty of light with shade from the sun, water thoroughly when needed, and a daily syringe, then good flowers with long stems will be the result.

W. DICHSOS.

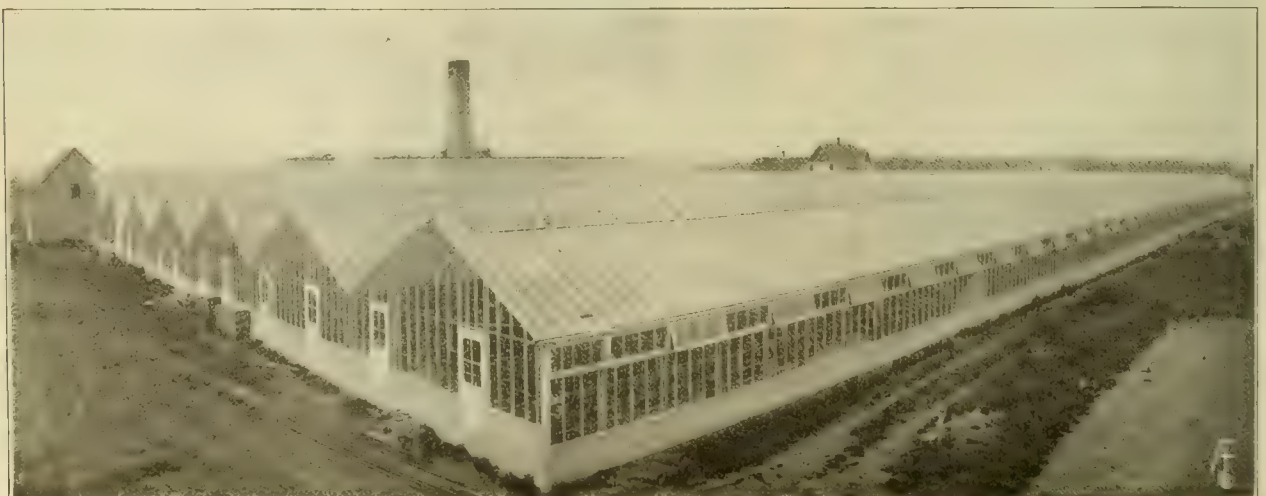
Dendrobium Nobile.

There are a few species of orchids that might well be called standards for they are seen in practically every collection and are the most useful of their kind. *Dendrobium nobile* might well be cited as an instance of this. Let any orchid grower of experience look back over his career and it is probable that he will not be able to recall a single instance of an establishment where orchids were grown that *Dendrobium nobile* was absent from while, with the exception perhaps of a few *cypripediums*, it is often the only species cultivated. *D. nobile*, as a species, is very variable; there are some varieties that are far superior to the original type and inferior ones also turn up occasionally among importations, but in an experience of more years in orchid growing than we care to look back upon we have never come across a really poor *nobile* or one that was not worth growing. *D. nobile* has proven



Lilium Tenuifolium.

Grown by E. S. Miller, Wading River, N. Y.



HOLTON & HUNKEL'S GREENHOUSE PLANT AT BROWN DEER, MILWAUKEE, WIS.



FINE SPECIMEN DENDROBIUM NOBILE WITH 1,300 FLOWERS.

one of the most potent in the hands of the hybridists and nearly all of the finest of the early hybrids had it as one of the parents. Crossed with *D. aureum* it gave the beautiful *D. Ainsworthi*, one of the earliest if not the earliest of the English crosses and a free flowering beautiful plant of great value, while since then hybrids innumerable have been raised. Among the variations from the type we have such beautiful things as *D. nobile nobilius*, a deeply colored form with large showy flowers; *D. nobile Cooksonianum*, an extraordinary variety in which the color of the lip is reproduced on the petals, and the lovely albino *D. nobile virginalis*. These may be called the extremes of color variation in this species, but there are many intermediate forms and all are beautiful.

The culture of this fine old orchid is of the simplest kind. It must have plenty of heat and moisture while growing, a thorough ripening in late summer and fall and a decided rest in winter. In early spring growers sometimes make the mistake of trying to rush it along in heat and moisture, thinking to get the plants into flower early, but this usually results in the nodes that should have produced flowers getting away into growth with the consequence that no flowers are produced. A careful grower increases the heat in spring gradually after the winter's rest and holds back on the atmospheric moisture, consequently the nodes swell slowly and naturally and perfect flowers are produced instead of the abnormal ones or none at all that are induced by the forcing treatment.

Some of the finest plants of *Dendrobium nobile* ever grown have been

produced by what is termed the pruning system. After the flowers are past the whole of the growth is cut clean away, leaving the bare stems about an inch or so in length above the compost. The plants are then placed in a brisk moist heat and start to grow rapidly, finishing up their stems early, which are then ripened by exposure to sun and air, rested and flower freely, the pruning then being repeated. This plan is especially worthy of consideration by growers for cut flowers as the latter sell better when the growth is cut with them than if removed singly or on short stems. The wood growth cut away in pruning may be used for propagating by laying it in pans or flats of sphagnum moss and keeping these always moist in a warm house. After a few weeks young growths push from the joints all along the stems and later produce roots. When they commence to root they may be cut up, either singly or in short lengths containing three to five eyes, and potted singly. These, if grown on rapidly, will make nice plants the first year and arrive at flowering size the second. Incidentally it may be noted that plants produced this way are always healthier and stronger in growth than those produced by dividing up old stock. The other cultural details necessary for *D. nobile* do not differ much from those for other species and have frequently been referred to in these columns.

WHEELING, W. VA.—W. D. Mathews has purchased a plot of land on the south side and will erect new greenhouses thereon removing his business from North avenue to that location. Market Gardeners.

Cypripediums,

Cypripediums, taken as a whole, form probably the most distinct genus of orchids in existence and anyone with the merest smattering of orchid knowledge can easily pick them out from any other kinds. So very distinct from all others are they that Darwin in his "Fertilization of Orchids" wrote: "An enormous amount of extinction must have swept away a multitude of intermediate forms and left this single genus as a record of a former and more simple state of the great orchidean order." As a general rule they are easy of cultivation and present a flowering return that well repays the little trouble necessary in their cultivation. The flowers last an extraordinarily long time in good condition and it is possible to use some of them—notably the *insigne* and *barbatum* forms and their hybrids—again and again for table decoration and similar work. Their many good qualities, in short, render them extremely useful for cutting and they will doubtless be more grown for this purpose than they have been in the past. No other genus has so well repaid the hybridist for his labors and we have such an enormous number of hybrid forms artificially raised that they puzzle the most expert and nobody can be said to know them all.

Cypripediums as a general rule like a certain amount of loam in the potting compost and in this way come nearer in their likes and dislikes to the ordinary greenhouse plants than most orchids. As a general compost, two parts of loam to one part of peat



CYPRIPEDIUM SELLIGERUM MAJUS.

and one of chopped moss is suitable, the whole being lightened by the addition of finely broken crocks or charcoal. Some growers use sand and are successful with it, but we have never cared for this material for any orchids as it silts down through and clogs the drainage as well as fines the soil. If any is used it should be sharp, coarse sand, not the fine washed roadside, river or lake sand used for propagating. When potting is in progress the whole of the old compost should be shaken or washed out from among the roots and all old or decayed ones cut away. Those remaining should be well spread out when placing the compost so that this runs down between them. The crowns of the plants should be kept a little below the rim of the pot as in ordinary potting, not raised as is usual when potting epiphytal and pseudobulbous orchids generally. Again, when the potting is finished, the compost can be watered at once; there is no need of waiting as with orchids generally, as the root spongioles of cypripediums are stronger and not so easily damaged by moisture as those of epiphytal orchids. This ability to take up moisture at once rapidly re-establishes the plants in the new compost. As to temperature there are a few that require considerable heat to do them well, but as a general rule a shady position in the cattleya house will be the best and most suitable for them. The few kinds named below are among the best for cutting, but, as indicated above, there are great numbers of hybrids and varieties all of more or less value.

Cypripedium Argus is a native of Luzon in the Philippines and has beautiful tessellated foliage and flowers nearly three inches between the points of the upper and lower sepal. The dorsal is white with greenish lines and a purplish stain at the base, the lip brown streaked with greenish and

purple. It is a variable kind with regard to color. *C. barbatum* is one of the best known and more grown probably than any other species with the exception of *C. insigne*. The foliage is dull green, prettily marbled with a deeper green. The flowers stand well up and the lip is a deep port wine color. The dorsal is greenish at the base, white above with lines of deep purple. *C. barbatum nigrum*, is a very beautiful variety, darker in color than the type and usually slightly smaller. There are many

other varieties. *C. callosum* is a magnificent species with an immense dorsal sepal and, though larger than *C. barbatum*, a good deal like it in general appearance. There is a beautiful albino of this species, *C. callosum Sanderæ*, from which all tints save green and white have disappeared, but it is rare in cultivation. *E. Curtisii* is a fine cypripedium and has been used as a parent with excellent results, such beautiful hybrids as *C. Chapmani* and *magnificum* having sprung from it. Not unlike *C. superbiens* in general appearance it has a broader dorsal sepal, shorter petals and a longer lip.

C. insigne is certainly the best known and most widely grown cypripedium in existence and the most useful for cutting. It thrives in any ordinary greenhouse or frame if the atmosphere is moist, and flowers freely every year with very little attention. Besides the well known type, there are varieties with more white in the dorsal sepal, such as *Chantini* and *Maulei* while the most beautiful of all is the true *Sanderæ*, the flowers of which are a clear primrose yellow, with a white apex to the dorsal sepal. This fine variety was for years extremely rare but in recent years some plants of it have been imported and others raised from seed by skilled orchidists. *C. Lawrenceanum* is another showy and beautiful cypripede, the largest in this section of the genus and like a glorified *barbatum* in appearance. This too has a fine albino form, *Lawrenceanum Hyeanum*, of which the dorsal is the purest white with green veins running through it vertically; the lip is pale green with deeper green venations.

C. Spicerianum is a beautiful thing with a pure white dorsal sepal except



CYPRIPEDIUM LEEANUM.

for a median line of crimson purple and a green blotch at the base; the lip is brown tinged with purple. This too has been used with great success by hybridists, the beautiful *Leeanum*, a cross between *Spicerianum* and *insigne* being a case in point. *C. superbians* is a beautiful old species of the *barbatum* group and although well distributed through orchid collections, it was said that the whole of the plants in cultivation up to a few years ago were the progeny of two plants introduced into England away back in the fifties. Two other useful old species are *C. venustum* and *C. villosum* and with them our list may well close. We have mentioned none of the South American section of the genus which is sometimes called *selenipedium*. These have flowers that open successively along the spike, not single (rarely two) flowered stems as in those mentioned above. There are some very beautiful things among them but they are not much grown for cutting in this country.

Big Price Paid For An Orchid.

London, August 6.—If one morning the marriage columns of the daily papers had announced the wedding of *Crispo Harry Anum* to *Rossi Rubescens* no particular notice would have been taken of the event. Yet their offspring has been sold at the Royal Horticultural Society's show at Holland House, Kensington, for \$2,625.

The name of the promising child is *Odontoglossum Smithi*, and it is a particularly beautiful garden hybrid orchid. *Baby Odontoglossum Smithi* was surrounded by an admiring crowd. Its proud owners were almost tired of pointing out the expensive infant, with its long, slender stalk bowed and graceful lily-like blooms in shades of magenta. Another expensive orchid was *Cattleya Mendelli alba*, a pure white variety, with a throat splashed with gold. This was sold for \$1,300.—*New York American*.

Chrysanthemums and Geraniums Infested.

ED. AMERICAN FLORIST:—

Can you tell us the disease or insects which have infested our chrysanthemums? The chrysanthemums are indoors while the geraniums have only been infested since being planted outside. Also kindly tell us of an easy remedy to destroy the pest.

C. H. P.

The leaves on arrival were dead and dry and we found but one insect, the strawberry thrips, *Euthrips tritici*. This is not rare and attacks a great variety of plants. We are somewhat doubtful, however, if it is the real cause of injury, because of finding this single specimen. The same appearance of leaves of chrysanthemums might be due to the work of either red spider or aphides or plant-lice and we are inclined to believe that the main cause of the trouble is due to red spider. The geranium is perhaps injured by the same creature, but no specimens are present. The geraniums are also affected by disease. C.

CHICAGO HEIGHTS, ILL.—G. A. Weberg is building two new houses, each 25x150 feet, Foley material.

THE ROSE.

LOOK over benches newly planted with cut back stock and take out any dead plants, filling their places with others reserved for the purpose.

NOVA ZEMBLA is a beautiful new white sport from Conrad Ferdinand Meyer and, like its parent, is of the rambler type and should not be summer pruned. The tips of the shoots may be pinched in late September or October to plump up the eyes and insure a good break of young shoots.

Current Work.

The work in the rose houses from now until September 1 will be divided between cultivating, tying and disbudding. Cultivating must be done every week and before stirring the beds the plants should be cleaned carefully. When cleaning the plants remove all manetti growth as many of the shoots from the manetti may be overlooked when disbudding and it is always a good plan to systematise the work to save time and to be thorough. This can be accomplished by cleaning all the plants first, then go over them carefully and remove manetti growths



NEW TEA ROSE LADY HILLINGDON.

From the Gardeners' Magazine.

Go carefully over the grafted plants in the benches occasionally and rub out any shoots of manetti that may be starting before they get strong enough to need the knife. After cutting they almost invariably start again but if rubbed out when young that is the end of them.

Rose Lady Hillingdon.

The illustration herewith shows the new rose, *Lady Hillingdon*, which is highly thought of in England, as shown by its receiving an award of merit from the Royal Horticultural Society when exhibited by Lowe & Shawyer of Uxbridge on March 8. It is said to be very suitable for forcing and has long stems and handsome foliage. The flowers are large, full, with broad petals of a pretty shade of yellow.

if the plants are grafted; follow this by cultivating or disbudding and then make tying a special bit of work. Handling the work in rotation this way will be found a very satisfactory method.

A great deal of care should be taken when disbudding the young plants—merely snipping of the buds will only cause the plants to make a lot of undesirable twiggy growth, whereas if the buds are removed by cutting back to a firm eye the resulting growth will be clean and strong. The young stock should be gone over every week, removing the buds about the time they begin to show a little color or a day or two earlier. Old plants that have been pruned back for carrying over will have to be carefully disbudded also, especially *Richmond* and the *Killarneys*,

as they usually throw a number of short-stemmed flowers when they make their first growth. And, by the way, this first growth coming on the hybrid teas may look rather discouraging as it is usually rather spindly, but if the soil under them is good and they are watered carefully (care being taken not to drown them out) they will send out some fine growth later. It would be advisable to let the buds show considerable color on the old carried-over plants before removing them and as suggested above cut back to firm plump eyes always.

When tying either the young or old plants cut out any turgid growth or spidery foliage and tie each growth separately but do not draw the plants in too much so as to exclude a free circulation of air; by tying each growth separately one can thin out any undesirable growth later on without disturbing the rest of the plant. If the roofs need repairing do not delay attending to this work. Drips and leaks spoil many plants and by this time everything in and around the rose house should be in good repair as from now on to have the best results the plants will require constant attention. Do not disbud the Beauties until they show color, then do not be afraid to cut back to good eyes. Beauties planted in May should now be throwing up some good canes but for the benefit of the plants do not allow any more flowers to come in than can be readily sold. These early planted Beauties will be benefited perhaps by a light mulch of thoroughly rotted cow manure or half cow and horse manure well mixed. This should be applied after cultivating ceases, more to protect the roots than to furnish nutriment to the plants and should for this reason be used sparingly.

This is the correct time to prepare the manure for top dressings later on and many of the very hottest days the employes would welcome a few hours' outside work and as there are many little odd jobs that can be done outside, these breathing spells, so to speak, would be very much appreciated by the help. Syringing twice daily should be done in the houses containing the teas and hybrid teas excepting American Beauty. We have always advocated a dry, arid atmosphere for Beauties, also a thorough syringing as early as possible during the day. Any pot plants that have been left over that are in good shape should be repotted and kept going; some of them may be needed for replanting and the rest can be carried over (if not sold) in a cold frame. They will make excellent stock for next season's planting. To repeat, water carefully and apply it so that the soil will require a fair watering daily. At the same time this doesn't mean running them on the dry side. Strive to attain the happy medium.

E.

Rose Cuttings.

ED. AMERICAN FLORIST:—

I want to know what is the probable trouble with rose cuttings, nicely rooted, when I lose so many in transplanting them from the sand to pots. C. C.

There are many causes that may lead to loss in transferring rooted cuttings from the sand to pots. In the first place the cuttings may be left



TYPICAL BUDS, FLOWERS, SEED PODS AND LEAVES OF NELUMBIUM.

By Courtesy of H. A. Dreer Co., Philadelphia, Pa.

too long out of the sand before being potted and the roots so dried that they fail to carry the proper amount of sap to the growing plant. Again when coming out of the shaded benches they may be exposed too suddenly to drought or strong sunlight, this wilting the young growing shoot. Overwatering, too little water, carelessness in handling so that the roots are broken and quite a number of other defects of culture would cause the loss described and without knowing anything of the treatment followed by "C. C." we cannot say what the trouble is only pointing out the above as probable causes.

New Roses in England.

The Gardeners' Chronicle comments on the new roses exhibited at the National Rose Society's summer show at London, July 8, as follows:

GOLD MEDAL ROSES.

The society's gold medal was awarded to the four novelties following:

Lady Hillingdon.—A richly-colored yellow tea variety, of conical shape and with petals of good substance. Shown by Lowe & Shawyer.

Rayon d'Or.—A moderately-full flower of a canary-yellow color. Shown by Dr. A. R. Waddell, Baldock.

Edward Mawley.—A deep-crimson variety, possessing considerable frag-

rance. Shown by S. McGredy & Son, Portadown.

Joseph H. Welch.—A large flower of a deep-pink color, having a conical center. Shown by McGredy & Son.

OTHER NEW ROSES.

Lowe & Shawyer exhibited their seedling hybrid tea Mrs. George Shawyer. The flower has the color of the favorite "old rose" pink, has a long Niphetos-like shape, and appears to be fairly full of petals. (Silver-gilt medal.)

B. R. Cant & Sons, Colchester, showed Rose St. Helena, H. T., of their raising. The flower is of a delicate flesh color, tinted with yellow, somewhat pointed in shape before being fully expanded, and possesses a pleasing contour. (Silver-gilt medal.)

Messrs. Cant & Sons likewise showed a H. T. named Colcestria, a flower of a cerise tint, and possessing much substance in the petals and with sufficient of these to make a full flower. A card of commendation was awarded.

Alexander Dickson & Son, Newtownards, showed a new seedling rose, Mrs. Foley Hobbs, white with a faint flesh tinge. The flower is full and has a pointed center. (Silver-gilt medal.)

Messrs. Dickson & Son showed Rose Mrs. Gordon Sloan, of a charming flesh tint; the flower has a filbert-like centre and the color is more intense at this part than elsewhere. It received a card of commendation.



NYMPHÆAS OF THE MARLIACEA GROUP.

WATER GARDENS.

Nelumbiums.

Nelumbiums rank amongst the choicest of aquatic plants and should be cultivated wherever possible when aquatics are desired. They are of majestic appearance, their stately foliage often ranging from two to three feet across, and the bold massive flowers 10-12 inches across, standing above the foliage, which often rise five to six feet above the surface of the water; these must be seen to be appreciated. The illustration well represents the individual flowers, buds and seed pods, but only faintly as they possess delicious aromatic fragrance unequalled by any other flowers, together with their diversity of colors which range from pure white to deep rosy carmine; there are also single and double flowers. These are invaluable for cutting as they furnish bold flowers and foliage on stems four to five feet long. As decorative plants they are indispensable; the bold sub-tropical foliage and flowers add a touch to the landscape no other plant can supply.

They are of easy culture and well adapted for growing in tubs, pools, artificial and natural ponds, lakes, etc.

When grown in the same pond with nymphaeas they must be separated from them by a wall or partition of some kind as they are of rampant growth and a single plant will travel over 50 feet with numerous lateral growths in a single season. A small pond or pool may be devoted to nelumbiums only, one or more varieties, and the effect will be most enchanting. Many cultivators often fail to produce desired results, but although nelumbiums are perfectly hardy when established it is often difficult to establish them. They are impatient of removal and care is necessary in lifting and transplanting. They are susceptible of changes in temperature especially from warm to cold and roots received during a cold spell should not be planted in permanent quarters until warm weather is assured. Better start them indoors and plant out only when conditions are favorable for immediate and continued active growth. They will winter as easily as the hardy nymphaeas, that is provided the roots do not freeze, but nelumbiums will penetrate much deeper than nymphaeas and naturally there is less risk. Nelumbiums have an ancient history and are known as the sacred lotus and the Egyptian lotus. We are indebted to

the Japanese for almost all the varieties in commerce today with a notable exception, namely *N. luteum*, or water chinquapin, which is the American variety and found in quantities in several states, especially near the great lakes and southern states.

WM. TRICKER.

Nymphaea Marliacea Carneæ.

The illustration represents a type or group of water lilies generally well known in the United States and Europe where the renowned hybridist (wizard) Latour Marliac created this and several other varieties using the prefix Marliacea in designating the different varieties such as *Nymphaea Marliacea albida* (white), *N. Marliacea carneæ* (pink), *N. Marliacea chromatella* (yellow), *N. Marliacea flammea* (red), *N. Marliacea ignea* (carmine-red), *N. Marliacea rosea* (pure pink), *N. Marliacea rubra punctata* (rosy purple). Here is a grand collection by itself, embracing all the colors of the hardy nymphaeas, and the plants are much alike in habit of growth, etc. Like the European variety *N. alba* and *N. candida*, they have a thick rootstock or rhizome, leaves closely set, each plant being compact, not rambling in growth like *N. odorata* and *N. tuberosa*. When in moderately deep water the flowers are floating but when in shallow water or crowded both the leaves and flowers will stand above the water. The flower stems are stout and better adapted for cutting than others. They are also to be preferred when several varieties are desired in one collection. They will not ramble all over the pond, they will "stay put." They are all hybrids and do not produce seed or tubers to choke their growth or smother them out. There are numerous other varieties of recent introduction very similar to these but without the prefix Marliacea which should be grouped with these.

WM. TRICKER.

Plant Hairs and Nitrogen.

We have many theories and some facts to account for the uses of plant hairs, but nobody is sure that we have arrived at a correct solution of the problem. Plant hairs may prevent the clogging of stomata by rain or dew, or they may absorb water on occasion; they may protect from evaporation by shading the leaves, they may afford a partial defense against sudden changes of temperature and they may protect, in a measure, from the attacks of grazing animals, but whether these are their principal uses we cannot be sure. Recently botanists have been asserting that the epidermal hairs of many plants are useful in obtaining free nitrogen from the air. Up to very recent times we have been taught that practically all the nitrogen in plants is taken from the soil in the form of nitrates, but the investigations of several old world botanists put a new face on the matter. It has been known for some time that forest soils steadily gain in nitrogen content from the decay of the leaves of trees, which seems to give additional evidence in favor of the new theory, but further investigations must be made before the idea is likely to be accepted by botanists.—American Botanist.

WITH THE GROWERS

Charles D. Ball, Philadelphia, Pa.

Though the glass area of the country has been immensely increased within the past 10 years the growers of good stock have more than held their own. Though the word "specialist" is sometimes a misnomer, there are specialists who fully live up to the title. On a recent visit to the range of Charles D. Ball at Holmsburg, Philadelphia, we were more than ever impressed with the fact that after all the word specialist means something. Mr. Ball is a specialist in palms and after looking over his range we were convinced that he fully deserves the title. He has about 70,000 square feet of glass devoted almost entirely to the growth of palms, and has made his business a life study. He does not need to tell you what he has done or what he intends to do, for there before your eyes, to use a familiar expression, "are the goods." No better palms can anywhere be found than he offers.

He is particularly strong on kentias. All his stock is clean and in beautiful condition. In *K. Belmoreana* he has a large assortment of the finest stock we have ever seen. One of his ideas is to put two or three in a pot. This is not done immediately before selling, but they are potted and grown on for months, the result being a much more handsome and bushy effect than could possibly be obtained from single plants. His *K. Forsteriana* are equally as good and well arranged. However, for those who prefer single plants, he has plenty and fully as well grown as the combinations. *Areca lutescens* has long been recognized as one of the most graceful and beautiful of palms, and no real fancier can afford to ignore it. At this range this palm is grown to perfection, and, after a wide range of observation, we have never seen better. There is also a fine assortment of *Lantania Borbonica*, *Cocos Weddelliana*, *Phoenix Roebelenii* and *Dracæna Sanderiana*. Mr. Ball will exhibit at the Rochester convention and all visitors will have an opportunity to verify the foregoing statements.

Henry A. Dreer, Inc., Philadelphia, Pa.

The name and fame of this house is so well established and it is so well and favorably known that it would almost seem that nothing new could be written about it. If it plodded along in the beaten track that would be true, but it has the progressive habit. This firm is always planning something new and the plans made are intensely practical. Here is an instance: On a recent visit to Riverton we were informed by manager J. D. Eisele that 130 more acres of land had just been purchased and that work would begin this season on another range of greenhouses that will be thoroughly modern and up to date. Over at Riverton they do not figure glass by the foot but by the acre. As near as we can recall Mr. Eisele said: "We expect to erect an acre or two of glass this season on this land and we will follow it up with more next year and the year after." The newly acquired property has extensive frontage on the railroad and there will be ample opportunity for display pur-

poses, which will be taken advantage of.

It may be stated that all the features of the original range and grounds are now very noteworthy. There are at least six acres of glass devoted to the growth of palms, over 100,000 square feet covering young palms grown from seed. There is a wonderful display of *Cocos Weddelliana* of good size, there being at least one acre of these palms. These are merely mentioned as an incidental for there are all kinds of commercial palms. The ferns are another great feature. They are here in every known commercial variety and, aside from the larger plants, it is probable that over a million ferns in from 2-4 inch pots are annually sold. In the open everything that anybody is likely to want and plenty of it may be found. Mr. Eisele has taken a great interest in hardy roses and we predict that hereafter anybody can find the rose



Chas. H. Vick.

Superintendent of Trade Exhibition at Rochester.

they want at this place. They are also among the many different varieties, likely to find roses that they never heard of before. Practically all parts of the world, where roses grow, have been searched by the agents of this firm and the results will be astonishing to many fanciers. When we visited the place, July 26, though the weather was hot and dry, the fields of blooming cannas and phlox were a remarkable sight. They are there found in all varieties. About 2,000,000 perennials are annually grown.

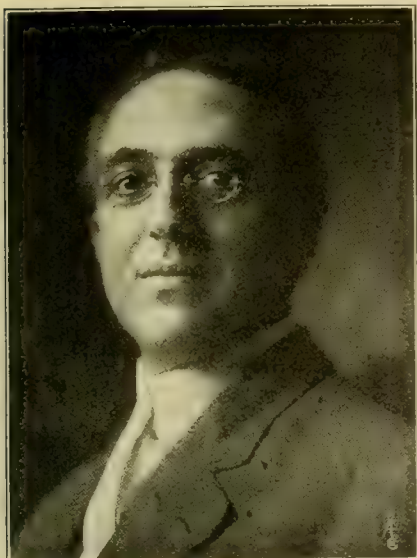
A noteworthy feature is formed by the water gardens, filled with water lilies, lotus and other aquatics. There are about eight acres of these and the great variety of bloom renders them a most interesting and attractive spectacle. The lotuses in every shade of pink, interspersed with other colors, recall the stories of Egypt and the Nile. In reviewing the practical features of this place it may be stated that during the firing season, 18 boilers burn an average of 4,000 tons of coal and that an average of 175 men are employed on the place.

The Geo. Wittbold Co., Edgebrook, Ill.

Most visitors to Chicago are acquainted with the Lake View establishment of the Geo. Wittbold Co. at Buckingham place, but probably those who visit the Edgebrook plant, the place that feeds the home establishment, are greatly in the minority. Otto Wittbold is the presiding spirit here and, in addition to his skill as a plant grower, he has brought his inventive faculties to bear on the subject of improvements in concrete benches and other aids to intensive culture. The benches used for growing carnations, roses and other plants for cut flowers are made in sections that can easily be taken apart and have many advantages over others of this pattern we have seen, but those used for plant growing may be described as double-deckers, the lower portion being used for such purposes as starting palm and other seeds, starting or resting bulbs, resting poinsettias or any one of the hundred ways that such places can be used, the upper portion being used for plant growing. This double deck arrangement is made by extending a square post from the legs of the lower bench, all made in one piece. Concrete "boards" are laid on wherever they are needed and can be moved from place to place as desired.

Although a few houses are devoted to growing carnations, roses, chrysanthemums and others for cutting, the greater portion of the 70,000 square feet of glass here is devoted to the culture of high class plants for the furnishing and decorating department, for retailing at the store and for the immense mail order business done by the firm. Perhaps the most important are the palms. These are grown in immense numbers, about 100,000 seeds of kentias, cocos, phoenix and others having been sown within the last two months. They are sown on the lower deck of the benches as described above and as soon as they germinate they are potted singly, carefully retaining the tap root and potting with the seed, attached to the stem, just above the soil. Thousands upon thousands of these little plants are seen and many thousands more a little further advanced, while others are just showing the character leaves. From this up they are here in all sizes and varieties, neat little plants in small pots and big specimens ready for sale and all are in the best possible health and condition. On one bench there are 70,000 young kentias and other kinds, all grown in proportion to their popularity. *Lantania Borbonica*, although not as popular as formerly, is still largely grown and there are large numbers of well finished healthy plants now ready for disposal.

Pandanus utilis is evidently a great favorite here for it is seen in large numbers in all sizes from the tiny seedlings to mature plants ready for sale or for decoration work. *Dracænas* too are largely grown. A notable feature here is the system of rail tracks all through the houses and grounds whereby trucks are run all over for the removal of soil, plants, pots or whatever else is needed. This saves a good deal of handling and therefore expense. Steam fitting, blacksmithing, carpentering, painting and glazing are all done by the firm's own



W. L. Keller.
Treasurer Rochester Florists' Association.



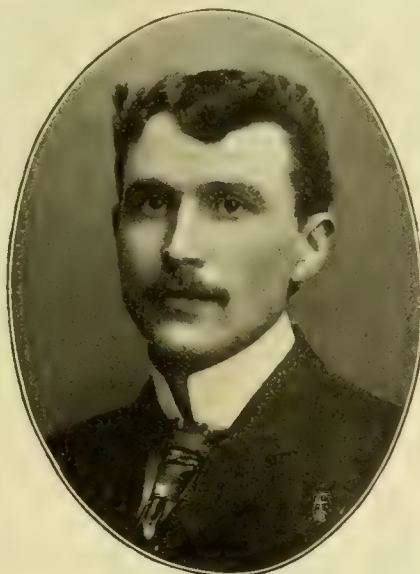
F. W. Vick.
President Rochester Florists' Association.



H. B. Stringer.
Secretary Rochester Florists' Association.



Chas. J. Brown.
Of Brown Bros. Co., Rochester, N. Y.



E. P. Wilson.
Vice-President Rochester Florists' Association.



Wm. C. Barry.
Of Ellwanger & Barry, Rochester, N. Y.



F. A. Stecher.
Lithographing Co., Rochester, N. Y.



R. G. Salter.
Salter Bros., Rochester, N. Y.



Geo. B. Hart.
Pioneer Wholesale Florist of Rochester, N. Y.

SOME PROMINENT MEN IN THE TRADE OF ROCHESTER, N. Y.

men, who have every convenience found for them to carry on their work. Two wells are used for water supply, the water being pumped into a large tank, which is elevated and gives a good force everywhere. Besides the greenhouses there is a series of lath houses in which, during summer, araucarias, rubbers, rhododendrons and similar plants are grown. Besides these there are large plant protectors and frames outside, used for the culture of gladioli, Ismene calathina and other semi-hardy plants. Mr. Wittbold has evidently his charge well in hand and a very instructive and pleasant afternoon was spent looking over this and the nursery.

The Robt. Craig Co., Philadelphia, Pa.

This firm, always at the front with choice foliage and flowering plants, was never better prepared than now to serve its customers with the very best stock. At the Rochester convention they will make a splendid exhibit of samples of their stock, and it may be said in passing that, in their greenhouses they have thousands of other plants that are equally as good as those sent to Rochester.

Both at the Philadelphia and Norwood ranges, there is an immense stock of the finest crotons. We say finest because we have never seen a commercial collection that equalled it. Very notable are the varieties Edwin Lonsdale and Robert Craig. Both these originated with Mr. Lonsdale, the Craig Co., taking them later and working up the splendid stock that they now carry. Edwin Lonsdale is a brilliant red, just the kind of a plant that appeals to Christmas buyers. This plant is so attractive that one of the leading retailers of the country has made a very tempting offer to have a number of plants grown for him until they reach a height of four or five feet. The company has this propo-

sition under consideration, the only drawback being that there is such a demand for the plants, from 6-inch pots up, that it is hard to hold them. While we have laid stress on this variety, it may be well to state that, in the eyes of many fanciers, the variety Robert Craig is equally as good. It is not so highly colored as Lonsdale, but is very attractive and in substance and healthy growth is surpassed by none. The many other varieties are also very noteworthy for their splendid coloring. Time was when the croton was looked upon as a sort of an incubator baby, but that time has passed. The improved methods of growing and the hardening off process of these up-to-date growers has put them in the front rank of desirable foliage plants.

There are two 200-foot houses filled with Begonia Glory of Cincinnati and B. Gloire de Lorraine. The Lorraines are largely of the Lonsdale type and Mr. Craig says that is the only one that sells well in Philadelphia. He is, however, very enthusiastic over Glory of Cincinnati which he considers a very fine production. Two large houses filled with Dracena Massangeana are noteworthy features. They are all in useful sizes. The beauty of this plant cannot be gainsaid and its enduring qualities in the store or home are great arguments in its favor. Ten houses of ferns may seem like a large lot but they have them and are feeling no uneasiness about selling them. They comprise all the best varieties. Noteworthy are Elegantissima Improved and E. Compactum, Todeaoides, a good one from London, and Scholzei and Giatrasii. Both the last named are considered good ferns. Amerpohli is still grown, but mostly in small sizes, it being particularly useful in basket and similar work. There is a stock of 20,000 cyclamens of excellent quality and the usual stock of fine Ficus pandurata and other plants.

Cyclamen Culture.

ED. AMERICAN FLORIST:—

Please give me the culture of cyclamens and say how old the bulbs should be before they bloom.

H. C. G.

If "H. C. G." had followed closely the articles under the heading of "Half Hour Chapters for Plant Growers" he would have found a regular series of notes dealing with the subject of cyclamen culture. Briefly, the routine of culture from seed is as follows: Sow in August or early in September in well drained flats or seed pans. Dibble the seeds in at least one inch apart and place in a moist atmosphere and a temperature of 70° or thereabout. As soon as the seedlings appear place the flats well up to the light but shade from the brightest sunlight. Keep them growing along in a good light until the second leaves are forming, then put them singly in 2-inch pots and continue the same treatment, never letting them be checked. All through the winter keep them well up to the light and when the young plants have filled their pots with roots repot into the 4-inch size. The final potting should be in August and from then on the plants need the utmost care. A well-known English cultivator of this plant summed up its culture something along this line: "Light in winter, shade in summer, and constant attention at all times to keep the plants growing and free of insects is all that is necessary to grow cyclamens well." If "H. C. G." will do this he need have little fear of results and it will be well to watch the above mentioned columns for hints in season. The plants should be in good flower in about 15 months after sowing. G.

CLEVELAND, O.—A. A. Hart, Lake avenue, and daughter, Gertrude, sailed on the steamer Cincinnati July 16 for a three months' trip through Germany, Switzerland and France.



BLOCK OF ROSES AT W. & T. SMITH CO.'S, GENEVA, N. Y.



PHLOX AND AQUILEGIAS, TWO SPECIALTIES OF THE CHASE BROS. CO., ROCHESTER, N. Y.

Some Rochester and Vicinity Nurseries.

ELLWANGER & BARRY, ROCHESTER.

It is an historic fact in nursery annals that the late Patrick Barry, one of the founders of the famous nursery of Ellwanger & Barry, received his first training in the work at the oldest or rather the first commercial nursery in America, that established at Flushing by Wm. Prince in 1737. George Ellwanger, the other founder, was born in Wurtemberg, Germany, and came to this country in 1835, entering the employ of Reynolds & Bateham in 1839. Together they founded the business in 1840 and the partnership lasted for 50 years, or until after Mr. Barry's death. The firm is well known all over the world for the excellence of the stock sent out from its nurseries and this excellence is largely owing to the fact that experimental horticulture with a view to testing varieties of fruit trees as to their suitability for the climate has always been an important part of the work of the nursery.

In the early days planters were without knowledge or experience and the testing grounds of the firm may be said to have saved hundreds of thousands of dollars to its customers. They have also enabled the firm to send out accurate descriptions of the fruits handled as well as exhibit at all the principal shows the produce of its trees. But this is only one branch of its business. The great and increasing demand for all kinds of decorative shrubs, conifers and other trees used by the landscape gardener has led to an immense business in this and kindred departments. We need hardly enlarge on this or upon the acres of roses, peonies and perennials that are grown.

They are already well known as are the numberless varieties and species of stock of all kinds, hardy and semi-hardy, that are grown in the greenhouses. The whole place is kept with the most scrupulous care and should on no account be missed by visitors to the convention city.

JACKSON & PERKINS CO., NEWARK.

The fame of the Jackson & Perkins Co. of Newark, N. Y., is world wide and the firm specializes in ornamental trees and shrubs, grows roses for the trade and supplies all classes of forcing stock. Visitors to the Rochester convention should endeavor to take in this well known place where they will see half a million field grown roses, budded and on their own roots while the specimen grounds contain nearly 1,000 varieties including many new kinds and species not yet in commerce. Clematises, both large flowering and paniculata types are a great specialty and probably they are the largest growers in the world, having six acres devoted to this popular family. All the large flowering varieties are on their own roots these being more satisfactory and healthier than the imported grafted plants from Holland and other European countries.

Hydrangea paniculata grandiflora is largely grown here in standard trees. Jackson & Perkins being the first American nurserymen to grow it in this form. Lilacs in all the best named varieties are also grown this way and a block of 25,000 Hydrangea Otaksa in 6-inch pots plunged outdoors is a great sight. All classes of perennials have special attention, peonies, delphiniums, Shasta daisies and all the popular kinds being well represented. Besides all this there are many acres

of fruit trees, bush and small fruits making in all some 600 acres besides several hundred acres in California. Then the firm is agent for many foreign houses handling Dutch bulbs, lily of the valley, manetti rose stocks, plants of all kinds and practically everything that a florist needs. The nurseries are 30 miles east of Rochester on a first-class trolley line and the firm extends a hearty welcome to all visiting the convention to include them in their itinerary.

THE W. & T. SMITH CO., GENEVA.

We present here some views taken recently in the extensive nurseries of the W. & T. Smith Co. at Geneva, showing some of the blocks of two year roses, which they are offering for sale to the trade for the coming season. The plants are now in full bloom and it would repay any florists at the convention to visit these nurseries and inspect the growing stock. The variety list is unusually comprehensive and includes a large proportion of hybrid teas and teas, including such sorts as Killarney, Gruss an Teplitz, Etoile de France, My Maryland, American Beauty, La France, etc., which until now had to be imported, as they were not being produced in field grown plants in this country. Of course, roses form but a small part of the stock grown by this company whose plant covers over 700 acres, nearly all in one tract. Here can be seen great fields of conifers, ornamental trees, and shrubs, herbaceous plants and, especially noticeable, the blocks of all kinds of fruit trees and small fruits. A short ride of less than two hours from Rochester, on the Rochester and Eastern electric road, takes the visitor directly past the nurseries.

CHASE BROTHERS COMPANY, ROCHESTER.

The New England Nurseries of Chase Bros. Co. had their inception in 1857, and they were incorporated in 1887. Eaton R., Martin Van Buren, and Lewis Chase were the three brothers who started together. Eaton R. Chase withdrew from the firm a number of years since and established an important nursery in Riverside, Calif. Martin Van Buren Chase died a few years since. Lewis Chase is now the

where the stock is delivered from the nurseries and prepared for storage. The second division is the storage department, and the third is the packing department, which includes a railroad siding where the floor coincides with the floors of the cars. In this way the facilities for shipping stock of all kinds leave nothing to be desired. Lewis Chase and William Pitkin are well known in the business interests of the city of Rochester, and

New Sweet Peas in 1910.

An approximately complete list of the 1910 sweet pea novelties can be given. The Burpee novelties, all Spencers, were, Marie Corelli, an intense rose; Miriam Beaver, salmon-pink suffused with buff or apricot on a primrose ground; W. T. Hutchins, light apricot-buff with delicate pinkish effect. Henderson put out George Washington, only one entry of which was shown at the national show in New York. From Mr. Kirby's description it is a fine scarlet crimson, but has an overlay of deeper color. Martha Washington, a white ground with pink picotee edge. These originated in the locality where the Washington ancestry lived in England, hence the names adopted.

The following six sorts are regularly listed as 1910 Spencer novelties. Colleen (Deal) carmine standard, wings blush; Edrom Beauty (Dobbie) salmon orange; George Stark (Stark) an intense dazzling scarlet; Mrs. Hugh Dickson (Dobbie) rich apricot on cream ground, shaded pink. The 1910 Eckford set from Wem, are, Picotee, giant waved pure white with picotee edge of carmine, Viscomte De Janze, a deep bright rose of bold form; Mary Vipan, a bright almost self rose waved; Mrs. E. Gilman, creamy ground, suffused with bright rose, bold form. I see Mr. Eckford tells his customers frankly that these waved varieties are not entirely reliable.

At the Holland Park show the following novelties were shown: Isabel Malcolm, soft waved primrose. E. W. King & Co., Coggeshall, introduced Queen Mary, waved pink, cream ground; Anglian Pink, Anglian Orange, Anglian Crimson and Anglian Lavender. C. W. Breadmore, Winchester, introduced, Iris, pale salmon self; Dazzler, flame; Freda, a large extra waved white; Dusky Monarch, deep maroon. Miss Hemus introduced Cerise Paradise; Paradise Susiana, chocolate flaked; Guy Hemus, lavender; Farina, pink apricot; Shawondsee, deep lavender and Paradise Apple Blossom. S. Bide & Sons, Farnham, offered Mrs. W. T. Massey, bright old rose; The Sultan, rich mahogany;



The Late Geo. Ellwanger.



The Late Patrick Barry.

ESTABLISHED THE ELLWANGER & BARRY NURSERIES, ROCHESTER, N. Y.

president of the company, and William Pitkin is the secretary and treasurer.

Hardy fruits of all kinds, such as apples, pears, plums, cherries, peaches, grapes and the various small fruits were grown and sold extensively by the firm throughout the country, and its reputation for fine fruit stock has been well known in this country for many years, as they made it a special feature. During the past 10-12 years they have gone extensively into the growing of ornamental stock, and today they have an enormous quantity of deciduous trees, shrubs, evergreens and perennials. The aggregate of the different fruit and ornamental plantings for 1909 was 2,157,000.

About two years since they purchased a large farm at Honeoye Falls, 20 miles south of Rochester. With the land they now own in Pittsford, a few miles east of Rochester, they now have about 655 acres in nursery stock. They are preparing to go more extensively into the propagation of ornamental stock. Last year they erected a large propagating greenhouse at Honeoye Falls, and they intend to build three additional large greenhouses for propagation in the near future.

A few years since they moved their entire nursery cellar and packing establishment from East Rochester to East Brighton, and the new nursery cellar system and packing buildings are very extensive and complete and cover approximately about two acres. The buildings form a square of 300 feet on each side, and are in three divisions running across the square. The first division is the receiving department

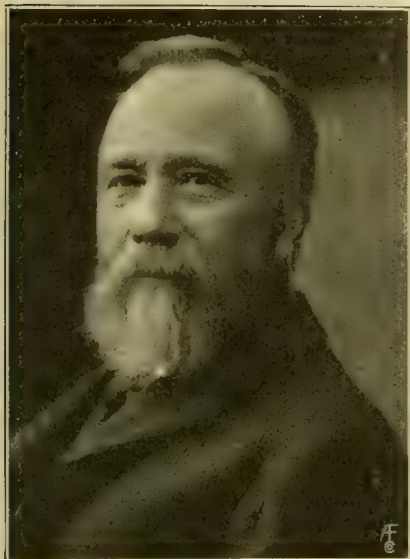
are gentlemen of sterling integrity of character.

PROFESSOR R. S. Mackintosh, formerly professor of horticulture in Alabama, has accepted a position in the horticultural department of the Pennsylvania State College. His special work will be an investigation of the peach industry of that state. The horticultural work in Pennsylvania is developing very rapidly. At present there are 10 professors and assistants in the department.



ELLWANGER & BARRY'S NURSERY, ROCHESTER, N. Y.

Entrance to Grounds and Office.



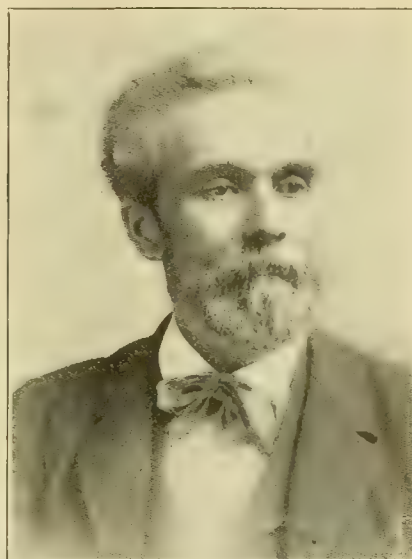
John Charlton.

John Charlton & Sons, Rochester, N. Y.



John Dunbar.

Assistant Superintendent of Rochester Parks



J. B. Keller.

Founder of John B. Keller's Sons, Rochester.

Blue Belle, bright blue grandiflora; Robt. Sydenham offered, Sunproof Crimson, Wendoe, new waved purple and Prince of Orange, bright scarlet orange. A new shade of rosy purple was shown in William Engle, from Woburn Place, Addlestone.

Robt. Sydenham's latest book lists a good many others that would properly belong in this 1910 list if they were not synonyms. We might include Azure Fairy, light marbled blue; Commander Humphrey (Cole), a bright pure Countess of Spencer; Countess of Ancaster (Gilbert), rich dark plum color; Doris Burt (Unwin), a sunproof scarlet; Doris Usher (Usher), said to be very lovely; Eric Harvey (Unwin), white ground, back of standard heavily flushed with scarlet pink; Florence Wright, offered by Stark, as a wide open Etta Dyke; Glitters (Lumley), a waved Evelyn Byatt; Hereward (Stark), pale cerise Spencer; Lady Emily Dyke (Johnson), pinkish blue waved; Lizette Lumley (Lumley), a Spencer Jessie Cuthbertson; Mrs. Watson (Bolton), a very pretty coral pink Spencer; Mercia (Stark), spoken well of as a Spencer salmon.

W. T. HUTCHINS.

John Charlton, Rochester, N. Y.

John Charlton, founder of the well known firm of John Charlton & Sons, Rochester, N. Y., is a good specimen of the well trained gardener who has made a success in business. Mr. Charlton is an Englishman, a native of Wiltshire, a county famous for fine private estates with their noble gardens and fine game preserves. Early in life he showed a fondness for plants, flowers and fruits and at the age of 17 was apprenticed to the head gardener at Longleat, the country seat of the Marquis of Bath, then as now one of the show places of England and famous for its fruit, especially fine grapes. As is usual in English gardens (or rather as was usual) Mr. Charlton spent his first year among the hardy fruits and in the kitchen garden, the second in the flower garden and dressed grounds and the third



The Late James Vick.

Founder of the Vick Business, Rochester, N. Y.

under glass. He did not go the regular round of journeyman's and foreman's plans but at once took charge of a place in Guernsey. When he arrived at his majority he sailed for Canada, but on a Canadian winter was enough for him and he came to Rochester in the spring of 1857.

After a short stay with the late Geo. J. Whitney as gardener he took charge of the gardens of Joseph Hall, an agricultural implement maker and famous horseman, with whom he stayed six years or until the death of Mr. Hall. Then he resolved to go into business for himself, securing two acres of land upon which he built a greenhouse and dwelling house. This was the nucleus of his business which now extends to about 130 acres, all under cultivation. He is associated with his two sons under the firm name given above. Mr. Charlton introduced to this country the famous Boston ivy (*Ampelopsis Veitchii* or *Vitis incon-*

stans) and also raised Carnation Peter Henderson which he sold to Nanz & Neuner of Louisville, Ky., for \$650. Mr. Charlton has always been foremost in fruit growing, being the introducer of Pocklington grape and Golden Prolific gooseberry. Probably owing to his old experience in the west of England, always famous for its fuchsia growers, Mr. Charlton has always taken a great interest in this plant for which he has taken many prizes. He is 74 years of age but carries it well and is vigorous and active.

J. B. Keller, Rochester, N. Y.

J. B. Keller, of Rochester, N. Y., although getting well on in years, still takes a great interest in all horticultural matters. He is one of the best known men in Rochester and for years has been looked upon as an authority on hardy herbaceous plants. Mr. Keller was born at Mayence, in Germany, 72 years ago and served his apprenticeship with the then well known but now extinct firm of Mardner Bros., of azalea fame in that city. After a few years' travel in various European countries he came to America in 1860 and was employed in various places in New York, Brooklyn and Long Island. In 1870 he came with his family to Rochester and accepted a position at the Ellwanger & Barry nurseries where he remained for five years before starting in business for himself. He purchased several acres of land within the city limits, the same land whereon the greenhouses and grounds of the firm of J. B. Keller's Sons are still situated. From this small beginning sprang the fine business now operated by his three sons, F. J. Keller, J. M. Keller and William Keller. Mr. Keller, Sr., is not now actively engaged in the business, having retired some years ago, but he still takes a live interest in the great business which he founded and which he has watched grow from the small beginning to one of the largest in this city of nurseries. May he be spared for many more years and see its still further expansion under the capable management of his sons.

International Floral Service.

ED. AMERICAN FLORIST:—

I was rather astounded to see the article in your issue of July 30, page 3, under the heading of "International Delivery Concern." and I am only sorry that this communication will not reach you in time to refute the article written by one of your representatives without giving the matter proper investigation. The writer is the one who is mentioned in your article, and I can give you many references as to my integrity, as well as my financial standing, to disabuse the mind of the writer of this article that any harm was meant.

The sum and substance of the whole affair is that Mr. Nehring, who has secured his foreign connections for the floral service and who issued a circular some time ago, came to me with a request that I finance the American part of the organization. However, before doing so, I wished to thoroughly try out the plan myself, as well as to get the consensus of opinion of some of the leading men in the line. You, no doubt, will appreciate that the only real way to do this was to go out and secure the contracts, as I felt that if I would simply ask the florist his impressions and advice that he might say "that it would be good," but when it came to the time to pay for the service he might feel differently. Therefore, I felt that it was best to secure their membership then and there and let them pay at that time, as an experiment. In other words, I felt that if the florists thought enough of the plan to put their money into it, that it would be a success, as Mr. Nehring had stated to me it would be.

In accordance with the plans laid out, I did, as stated in your columns, go to Mr. Eyres, and while the conversation as stated in your issue is not entirely correct, the substance of the conversation was the same, as I tried to secure him in the regular salesmanship way. I then called on The Rosery and secured their check and then went to Schenectady and also secured a check there, and then returned to New York. I investigated further the next

day, then came to my office, as per this letter, and returned the checks to the parties. I did not wish to state to these florists that we were simply trying this out, I thought that unnecessary, and therefore stated that we herewith return the checks as we were not ready to start the service. The reason that your representative did not find us at 1328 Broadway was because the address given was the United Silver Co. But I understand that your representative did call upon Mr. Nehring, who advised him to call upon me personally, care of the above firm.

While I cannot censure any one directly for the article as written, at the same time I feel there has been a blunder made, which would, upon further investigation without undue haste, have been found to be unnecessary. I expect to put considerable money into the development of the American Service, and I believe that you will appreciate that it would not be proper business judgment to start off in the manner indicated in the article. Therefore, I wish to assure you that everything will be done in a most honorable, upright and straightforward business way. I have written personally to both Mr. Eyres and The Rosery in Albany explaining that I was only trying out the plan when I called upon them and that there is no cause for alarm.

I can refer you to one of the large banking institutions here as to my financial standing, the Commercial Trust Co., of this city, and if you will have your representative call, I will give him business references as to my integrity so he can call personally on my references. MORRIS H. ELVIDGE.

Aster Diseases.

Each year there are many inquiries for the best methods of combating aster diseases. To tell the truth we have no remedies in mind that are effective. The diseases most common are stem rot and yellows. The former attacks the plant much the same as soft stem rot on carnations. The first indication of its presene is given by the wilt-

ing of the plants, which never revive, but finally wither and turn brown. Upon examination it is found the stem or bark at the surface of the ground is affected with a dry rot, which encircles the stem and destroys the tissues of the bark, to such an extent, that the sap cannot be transferred to the leaves and consequently they wilt and die. It is our opinion that this is a fungus disease and its prevalence is largely due to conditions, either of the soil or climate.

This year we have yet to find the first plant that shows a trace of stem rot and as we have heretofore lost more or less plants from this cause we feel the health of our present crop sustains our belief that conditions are quite or wholly responsible for this malady or scourge which it becomes in some instances. One field has been planted to asters for three successive years and the other two seasons, which explodes the theory that stem rot is due to continuous croppings. We must admit the real cause is still obscure to us.

Yellows affect the plants at flowering time, the buds turning yellow and the petals failing to reach their normal length. This disease, like stem rot, is very hard to combat for the reason it is not apparent until too late to apply remedies. The tarnished plant bug (*Lygus pratensis*) is the worst enemy we have to contend with and we feel certain many growers attribute their depredations to disease. This little insect punctures the soft growing stems and extracts the sap, causing them to wilt and thus growth stops. The plant sends up lateral growths which, if unmolested, will give excellent returns, but should the attacks be continued the latter are ruined, resulting in a crop failure.

This little insect is so active that hand picking is of no avail and we have yet to learn of an application that will check its devastations. We now have one of the experiment stations interested in the work of securing a parasite fungus that will spread from one to another by contact and thus destroy them, the same as the chinch bug is being controlled in the western states.



AT THE INDIANAPOLIS FLORISTS' CLUB PICNIC, AUGUST 4.—See Page 150.



ASTER PLANTS.

The First Plant to the Left Shows an Aster in Normal Condition. The Second one, Which Was Stung Some Days Ago by the Tarnished Plant Bug is Now Producing Laterals. The Third Has Been Recently Stung Showing Center Growth Has Stopped.

What the results will be we are unable to predict, but it is to be hoped that success may crown these efforts. The first plant to the left in the accompanying illustration shows an aster in normal condition. The second one, which was stung some days ago by the tarnished plant bug, is now pushing laterals. The third has been recently stung, showing center growth has stopped.

ELMER D. SMITH.

Japanese Gardening.

The recent visit of the president and council of the Royal Horticultural Society to the Japan-British exhibition, and the awards of silver cups they have made to the makers of the two Japanese gardens, and the Japanese exhibitors of various horticultural products, have created some additional interest in Japanese gardening. The present time is therefore opportune for making a more detailed reference to the two gardens that so admirably represent Japanese taste and skill in garden design and construction, and contribute so largely to the manifold attractions at the white city. Lest there be any misapprehension upon the point we would mention that we have not been waiting for something to occur that would arouse additional interest in these gardens before giving a short description of them. What we have waited for has been a sufficient development of the growth of the trees, shrubs, and plants to enable us to have photographs taken that would give our readers an adequate idea of their distinctive character and great beauty, and do justice to the achieve-

ment of those by whom they have been designed and constructed. We have now the pleasure of giving two illustrations, one of each garden, which portrays aspects of great beauty. Both gardens have been designed by Keijiro Ozawa, of Tokyo, who may be heartily congratulated on the taste he has evinced, and they have both been constructed by Hanosuke Izawa, also of Tokyo, who, in carrying out the designs, has given ample proof of skill of a high order.

The two gardens differ considerably in style, and also in the appeal they make to the artistic perceptions, and, if one is regarded as possessing a greater charm than the other, the additional beauty is due more to environment than to a superiority of design. There are, as we have already stated, two distinct gardens, one known as "The Garden of Peace," and the other as "The Garden of Floating Islands." The first-mentioned of these is on the southern side of the court of honor, and is enclosed on the north side by the walls of stately buildings and tall, finely-branched elms, and on the south side and at the western end are skilfully devised scenic mountains, which, for the most part, have their sides or tops clothed with round-headed pines and other trees indigenous to Japan. These, with the walls of the buildings and the elms, completely shut out the garden from the outer world; and thus the visitor is able to enjoy its manifold charms without being constantly reminded of the strenuous endeavor and rush, with the attendant anxieties, of everyday life. The title that has been given this

garden, although most appropriate, is evidently liable to be misunderstood. "This," said a lady to her companion, when passing us while we were looking round, "is not a cemetery as I thought it was." "A cemetery!" replied the companion, "what gave you that idea?" The answer was quickly forthcoming. "It is called 'The Garden of Peace,' and where do we find peace except it be in a cemetery?" So much for the difference in the views held with regard to this point. But it may be that the lady had not had the opportunity that we, in common with our readers, have had of fully realizing the refreshment of mind and body that is to be obtained by those who love flowers from a pleasantly-situated and well-kept garden.

Along the south side and at the foot of the scenic mountains, low hills of varying height raise their heads, and, running the whole length of the garden, is a walk some five or six feet in width, flanked on the southern or mountainous side by small groups of birch and other elegant trees, and on the north side there are two broad walks which are separated by the line of elm trees, and a breadth of lawn with various trees and shrubs arranged thereon. The greater area of the walks on the north side is due to the fact that, owing to the proximity of some of the more important buildings, practically all the visitors pass along that side, whereas those only who make the circuit of the garden take the south walk.

The area between the north and south walks is, for the most part, occupied by a long winding lake, vary-

ing from about 20 to 40 feet in width, and, as a matter of course, is more or less irregular in outline, and embellished with islets, tea-houses, lanterns, and the various form of aborescent and other vegetation that find favor in Japanese gardens. The margin is formed with blocks of a crystalline rock of moderate size, and it is a point of some practical importance to mention that the rock is carried down below the water level and the blocks set in a bed of cement. Consequently, no soil is exposed at the sides above the water level, and the difficulty that is frequently experienced in keeping the lake watertight when puddled clay is used is wholly avoided. As pointed out in these pages by contributors experienced in the making of lakes and ponds, when the sides are formed with clay they are liable to crack during dry weather, and when this happens, much loss of water results. The rock, as might be expected, is naturally arranged; here it forms a belt just sufficient to keep the banks in place, yonder it rises and forms low mounds, and now and again may be seen comparatively large blocks cropping up among the shrubs that form so admirable a setting to the glistening water.

About midway the lake narrows, and a small islet has been formed, and this is connected with the mainland on either side by stepping-stones that are of large size and well above the water. Conspicuous on this islet among a few shrubs is a specimen of a cypress that is one of the finest examples of the dwarfing process that finds favor with Japanese cultivators. The tree, which is between six and seven feet in height, has been less severely restricted in growth than many of the dwarfed trees that have come under our notice, but the characteristic form has been fully maintained. The lake has been described as being surrounded by a border planted with trees and shrubs; and to those who take a superficial glance at the water and its surroundings, the area planted may appear to be a continuous border. But this is not the case, and neither Japanese nor British planters experienced in such work would make the mistake of surrounding an ornamental sheet of water with a continuous border. The trees and shrubs occupy a series of spaces that vary much in shape and size, and are separated by turf that extends to the waterside. A short distance westward the lake is again crossed, and this time by a substantial wooden bridge of characteristic design, and not far distant therefrom is a teahouse of handsome elevation, both contributing their full share to the general effect.

At the more prominent points on the margin of the lake are well-developed specimens of such coniferous trees as *Sciadopitys verticillata*, *Retinospora obtusa aurea*, and green cypresses in variety. The first-named, which is one of the most distinct of the coniferous trees introduced from Japan, is represented in surprising numbers. The procumbent form of what is commonly known as the Chinese juniper (*Juniperus Chinensis*), is freely used for trailing over the rocks on the margin of the water and elsewhere, with good effect. The presence of this juniper in a garden representative of

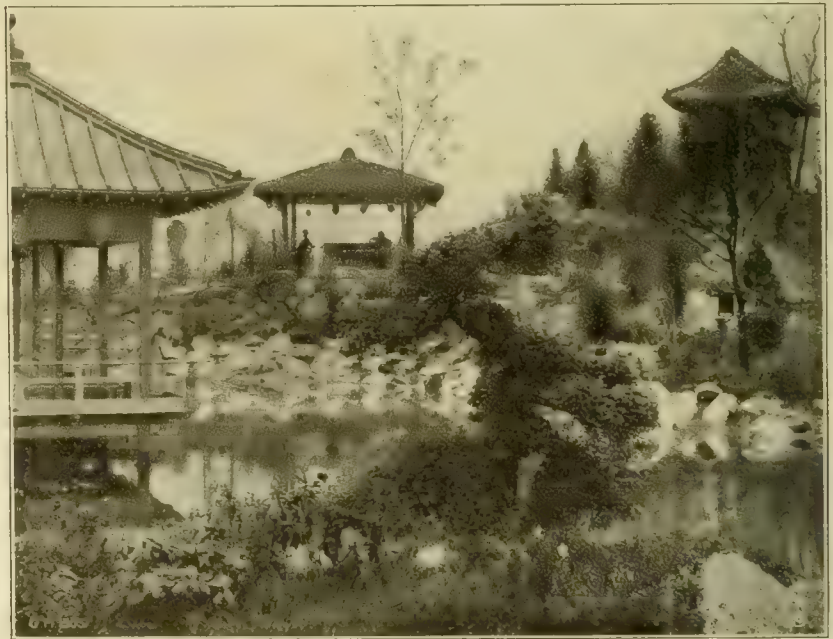
Japanese ideas is fully justified, for the specific form grows naturally, not in China, as its name suggests, but on the mountains of central Japan, and it has been cultivated by the Japanese for several centuries. Prominent among the shrubs that fringe the lake are such well-known subjects as *mollis* and other azaleas, the holly-leaved osmanthus, green and variegated aucubus, and rhododendrons. A touch of color is given here and there by the more brightly-colored red forms of the Japanese maples, and the charms of the garden are further enhanced by various weeping trees, which, it need hardly be said, are planted in positions specially suited to the display of their graceful outlines. At the western end of the lake is the rushing waterfall, which adds immensely to the charm of the scene, as will be seen from the illustration given herewith. Immediately beyond the waterfall is a pergola, over which the beautiful *Wistaria multijuga* is trained and making good growth.

The second of the two gardens is situated some distance from "The Garden of Peace," and occupies a prominent position in the western part of the exhibition grounds. The prominence of the site of "The Garden of the Floating Islands" is a disadvantage, for the environment is not what could be described as restful, and buildings of various kinds meet the

evergreen shrubs tastefully disposed. At intervals among the trees and shrubs are placed tea-houses, that serve the purpose of adding to the attractions of the garden and afford rest and shelter to visitors. The island, with its rocky promontory, is reached by means of a stone bridge of a design that is essentially Japanese, and on the island are bold masses of rock and grassy slopes. Arranged on the grass are specimens of *Sciadopitys verticillata*, weeping trees, and other choice subjects, and planted freely among the rocks is the dwarf-growing azalea, bearing salmon-red flowers, that is so freely used in both gardens. On the south side one of the Japanese maples, with crimson leafage, has been freely planted, and remarkably bright is the effect produced. There are also on this island tea and summer-houses and stone lanterns of varied designs, these and other accessories adding materially, as so admirably shown in the accompanying illustration, to the interest and attractiveness of the garden.—Gardeners' Magazine.

Canadian Horticultural Association.

The thirteenth annual convention of the Canadian Horticultural Association opened at St. Catharines, Ont., August 10, under very favorable conditions. The exhibits and session are being held in the Carnegie Library building and the delegates were given a very hearty



JAPANESE GARDENING.

Garden of the Floating Islands at the Japan-British Exhibition (After the Gardeners' Magazine).

eye when making a survey. The design of this garden comprises a broad lake with irregular margin, and having an island that is large in size and of bold character. The margin of the lake, as in the case of the garden previously described, is formed with rock embedded in cement, and is fringed with trees and shrubs such as have been already mentioned. Beyond this fringe are broad walks and breadths of turf on which cypresses and other coniferous trees are in association with deciduous trees and

reception by Mayor J. M. McBride, responded to by E. I. Mepstead. Secretary Hall and Treasurer Simmers both had favorable reports. The trade exhibition is a prominent feature and quite extensive. The Dale Estate of Brampton; H. L. Janzen, Berlin; the Cannon Floral Co., Hamilton; Thomas Manton, Toronto; R. H. Ellis, Leamington, and Campbell Bros., Simcoe, are all showing excellent stock, etc. Among the visitors are: E. I. Mepstead, Miss Flora Scrim, Ottawa; W. C. Hall, Geo. Robinson, Jas. McKenna, C. A. Flint, Mr. and Mrs. Hopton, Montreal; D. Cooper, E. A. Dale, H. Mul-

lins, Brampton; C. H. Janzen, Berlin; W. Hunt, Guelph; H. E. Philpott, Winnipeg; Thomas Manton, J. P. Iggott, A. Annandale, H. Simmers, W. E. Mackay, R. Guthrie, H. G. Dillenmuth, Toronto.

PRESIDENT PHILPOTT'S ADDRESS.

As president of the Canadian Horticultural Association, I extend a welcome and greet you to our convention and thirteenth annual session here in St. Catharines. We sincerely trust that every session may prove interesting enough to have you all present at each. The first thing, let us get acquainted with each other; the fault of these meetings to a great extent is that we do not extend to the strangers assembled with us the cordial greeting or friendly hand-clasp that would warrant them to feel at home like the rest of us who are better known to each other. Do not let any of us go home from these meetings without having become acquainted with each other, not only the members of our association, but our brothers who have become interested enough to visit and join us during this time; let us feel that they have not left us total strangers.

It would be a good idea to appoint a committee to take charge of this most essential feature, to introduce to each other the members and friends who are gathered with us. It may be that among us are one or more total strangers who having become interested in our aims and ambitions to progress in horticulture, and have taken this opportunity to meet us as a body in discussing and bettering the interests along this line; they may, just by the friendly clasp extended to them, be induced to become one of us. The object of this society is to lift and carry forward all and everything that tends to advance and perfect our work along all lines and in all branches of our profession, and to impart such knowledge as may be known to each, to all its members, so they can also share in the benefits of same.

While we are as yet practically a young organization, much is expected of us and the efforts of this society, and we want to do our best to instruct our members and educate the masses in all lines pertaining to horticulture. We want to widen and deepen the interest in our profession by increasing our membership to such an extent that we will embrace all the leading men of Canada who are interested in any lines in the calling of horticulture.

We want to make our meetings so interesting and of such value to members that they will look forward to each time of meeting. To do this we must all work together and those of us who are experienced in the work must be willing to impart their knowledge to the others to discuss the best methods of growing and treating the various plants and flowers that each is individually interested in, to show and explain to each other what we have found to be the most profitable methods of erecting and constructing greenhouses, the best way to heat, ventilate, and all points that will help to give us the best results in turning out and realizing to the greatest extent the products of same; the best kind of treatment, foods and nourishment, that we find most beneficial from our experiments along this line, the means that we have found best in getting rid of disease and insects that attack the different plants, and so try to help each other to our uttermost in making work less arduous and more profitable. By the practical experience of our brothers we can be enabled to prevent waste of time, waste of energy, waste of money, and a waste of hours that would be more beneficial to us if spent in recreation and amusement. It is only by our untiring efforts and working together along these lines that we

can hope to add to our list of members, and show them we are organized to further perfect and help along the interests of the florists in all lines and branches.

And while we know that our exhibitions and meetings will admit of many improvements to the public, we can but do our best to make them educative and instruct them on the lines we are working in, as nearly right as we

Canada, or will it be advisable to have it abolished on plants, or supplies, or insecticides only? I trust that during the sessions of our meetings our deliberations may be earnest, honest and decisive and that each one will express his own individual opinion either by speaking or voting on any subject that may be presented. Hoping for a continuance of the advancement and prosperity of this society, that we may ad-



JAPANESE GARDENING.

Waterfall in the Garden of Peace at the Japan-British Exhibition (After the Gardeners' Magazine).

know how. I feel that I can safely state that there is a grand future for us in this country, as the extensive building and erecting of greenhouses, and the nurseries starting up during the past year, convinces me that times are prosperous and if we work diligently together we should be able to add greatly to our list of members before we hold our next convention.

There is no reason why, as all are interested in the same pursuits and know that we really need at this advanced age a society like ours, where we can meet each year and come in personal contact with each other, for the comparing and discussions along the advancement and progression of everything in our line of business, we can not become one great body and embrace nearly all in the same calling throughout our country.

One principal subject, at this convention, that I wish to present to you and which will be brought up for discussion, is regarding the duty on plants, flowers, insecticides and supplies. Shall we petition to abolish the duty on plants and flowers coming into

vance along all lines regarding the interests and pursuits of horticulture. In closing I wish to state that I hope all members present will embrace the invitation extended by the city of St. Catharines to become their guests on Friday. Also that as many as possible will attend the convention of the S. A. F. that is being held in Rochester, N. Y., next week.

OBITUARY.

Luther R. Fuller.

Luther R. Fuller of Shelburne Falls, Mass., died at his home on Green street on August 1. Mr. Fuller had been in poor health for two years. He leaves his widow, one daughter and two sons. For the past 12 years he had run a greenhouse establishment on Green street. He married Mrs. Fuller, who was formerly Miss Mary Chapin, 41 years ago.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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Rochester Florists' Association.

Sixty-five members were in attendance at the regular monthly meeting of this association and all showed keen interest in the preparations being made for the twenty-sixth annual convention of the S. A. F. Members of the local club will be given each two buttons and will be entitled to two tickets for the outing; if they wish extra tickets they can be purchased for \$1. Application for tickets and badges of the R. F. A. must be made to H. B. Stringer, secretary's office, convention hall. The rules of the national society governing the giving out of tickets will be strictly adhered to. A reception committee was appointed and parties will be stationed at all depots to welcome our guests, and to assist them in every way possible.

H. B. STRINGER, Sec'y.

Correction.

In the Joseph Heacock Co.'s palm advertisement on page 81 in our last issue 2½-inch Cocos Weddelliana was priced at \$10 each. This should have read \$10 per 100, while, at the end of the advertisement, the last size of Phoenix Roebelenii should have been 7-inch, not 6-inch as there printed.

Ladies' Society of American Florists.

Members will find the secretary at exhibition hall all day Tuesday, August 16. Please come and get your badges and tickets for reception and dance Wednesday evening, August 17. Directors' meeting at 9:30 a. m. August 17. Annual meeting at 10:30 a. m. August 17, at parlors of Hotel Seneca. Don't forget your badge pin.

MRS. CHAS. H. MAYNARD, Sec'y.

National Sweet Pea Society.

There will be a meeting of the National Sweet Pea Society of America at Rochester at 9 a. m. (place announced later) on August 18. This is in response to a request from the secretary of the S. A. F. to such societies who wish to hold a meeting at the annual convention in Rochester and is in accordance with the resolution passed by the executive committee of the S. A. F. at its spring meeting.

HARRY A. BUNYARD, Sec'y.

American Gladiolus Society.

A long list of good prizes is offered by the American Gladiolus Society at its exhibition in connection with the Society of American Florists at Rochester, August 16-19. Special prizes are offered by Vaughan's Seed Store, Peter Henderson & Co., W. W. Rawson & Co., Weeber & Don, A. L. Miller, E. H. Cushman, A. T. Boddington, John Lewis Childs, I. S. Hendrickson, Geo. B. Hart, Stumpp & Walter Co., F. R. Pierson, L. Merton Gage, J. M. Thorburn & Co., and Montague Chamberlain for various classes and varieties, several silver medals and cups being among the prizes. The competition is divided, there being 14 open classes and eight classes for amateurs. Exhibits by express should be addressed to American Gladiolus Society, Convention Hall, Rochester, N. Y.

Society of American Florists.

DEPARTMENT OF REGISTRATION

As no objections have been filed, public notice is hereby given that the registration of the fern, "Nephrolepis Dreyerii," by Kessler Bros., 52 W. Twenty-eighth street, New York, and G. Dreyer, Woodside, L. I., becomes complete.

REGISTRATION OF CARNATION.

Public notice is hereby given that Henry Eichholz, of Waynesboro, Pa., offers for registration the carnation described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Carnation—Christmas Cheer.—Alvina X Victory; of dwarf growth, forming quickly a very large plant in the field; will produce from early struck cut-

tings, plants furnishing 100 and more blooms per season; adapted as a pot plant for Christmas sales; color of the true poinsetta scarlet.

H. B. DORNER, Sec'y.

August 4, 1910.

CONVENTION NOTES.

The secretary has received notice from the St. Louis Florists' Club that an invitation will be extended the society to hold its 1911 meeting in St. Louis.

Badges have been mailed to all members who have paid their dues. Do not forget to bring them to the convention as two badges will not be issued on one receipt.

From the reports and letters received the attendance at the coming convention promises to be the largest in the history of the society.

A. L. Miller, vice-president, from eastern New York, says that about 200 from New York city will attend the meeting.

The executive board recommends that the society hold a special meeting at the time of the National Flower Show in Boston.

ENTERTAINMENTS.

The executive committee of the Rochester Floral Association met on Friday evening and settled all details pertaining to the programme of entertainment for those in attendance at the convention of the S. A. F. as follows:

TUESDAY, AUGUST 16.

Presidents reception Seneca hotel. 7:30 p. m. Band concert Fifty-fourth regiment band, Convention Hall, 8 p. m.

WEDNESDAY, AUGUST 17.

Ladies auto ride through the parks and principal residential districts of Rochester. Refreshments at the Genesee Driving park refectory. Starting from Seneca hotel at 2 p. m. Ladies reception Seneca hotel 8 p. m. Band concert Fifty-fourth regiment band, Convention Hall 8 p. m.

THURSDAY, AUGUST 18.

Ladies bowling Elm alleys 10 a. m. Men's bowling Grand Central alley 1 p. m. Men's shooting, Riverside Gun club, Genesee Valley park 3 p. m. Band Concert at Highland park by the park band, 3 p. m. Offered through the kindness and courtesy of William Barry, vice-president park board and chairman of the Highland park committee. Band concert Fifty-fourth regiment band, Convention Hall 8 p. m.

FRIDAY, AUGUST 19.

Outing to Manitou beach. Cars will leave Convention Hall at 11 a. m.; returning leave Manitou 7 p. m. to Ontario beach park. Baseball game, S. A. F. vs. Rochester Florists' Association 1:30 p. m.

SPORTS.

Snail race, backward running race, pipe race, elephant race, time race, blind man's race, three legged race, fat man's 200 pounds and over race. Ladies 50-yard dash, girls 50-yard dash, boys 50-yard dash, shoe race open.

Suitable prizes will be offered and as guests of the Rochester Florists' Association, we want as many as possible to attend and with us make this a continuous round of pleasure.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Good florist wants position as florist or gardener in greenhouse; married man.
ADOLPH MRLBUR,
2532 S. Whipple St., Chicago.

Situation Wanted—Working gardener and viticulturist, capable of handling help and keep accounts, wishes position next fall; has good references.
STEVE SEFCIK,
608 Garnsey Ave., Joliet, Ill.

Situation Wanted—By a life-experienced, all-around florist; experienced grower of roses, carnations, violets, mums and bedding plants; section of roses preferred; middle-aged, single, sober; state wages. Address
Key 180, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address
Key 144, care American Florist.

Situation Wanted—A farm manager with lifetime experience, also thorough seedsman and expert in growing of seeds, is desirous to make a change; am acquainted with general farming and truck farming; first-class references as to business ability and character; besides salary a share of the net profit of the farm wanted.
Key 175, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board.
COLE BROS., Peoria, Ill.

Help Wanted—Good carnation grower; must be steady and reliable. Address
Key 176, care American Florist.

Help Wanted—For greenhouse work; three or four good potters. Apply to
BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—Grower of general stock, roses, carnations, chrysanthemums and miscellaneous plants for up-to-date commercial establishment.
Key 183, care American Florist.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties.
VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Two assistant florists for our greenhouses; must furnish first-class references; state wages expected. Apply to the
TEXAS SEED & FLORAL CO., Dallas, Texas.

Help Wanted—Competent man to take charge of 9000 square feet of glass and three acres of ground in Missouri town of 9000 population; must be steady and reliable.
Key 182, care American Florist.

Help Wanted—Experienced greenhouse man for private place who is a good grower of roses, carnations, chrysanthemums and potted plants; references required. Address
1918 East 40th St., Cleveland, Ohio.

For Sale—Dwight Greenhouses; doing a large and profitable business; no competition; ill health.
DWIGHT GREENHOUSES,
Dwight, Ill.

For Sale—Active man capable of managing a florist and winter vegetable business, who can invest \$2,000, can hear of a good opening.
Key 173, care American Florist.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.
SUPERIOR MACHINE & BOILER WORKS
840-850 W. Superior St., Chicago.

For Sale—Well established retail florist business, greenhouses, store, two dwellings, all in good condition; good reason for selling. For further particulars address
Key 171, care American Florist.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00 cash.
Key 174, care American Florist.

For Rent—Four greenhouses and lots; ½ block from car line; good location; northwest side.
R. VIRUS,
5324 Leland Ave., near Milwaukee Ave., Chicago.

Wanted to Rent or Lease—A truck farm. Send particulars to
FRANK MUNKKA, Oconomowoc, Wis.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

FOR SALE.

At a Bargain

Greenhouse and business; 6000 feet of glass in town of 7000. No other greenhouse within fifty miles. Good trade. Address

J. H. FREEMAN,
437 D Street, SALIDA, COLO.

Situation Wanted.

German florist wishes position in commercial or private place; 23 years' experience.

F. PASCH, 28 Geising Strasse,
Dresden-Schlesien, Germany.

Situation Wanted

By grower, aged 17, brought up amongst flowers, etc., by my father, a wholesale and retail florist; good worker; willing to do anything around a greenhouse; state wages, with board. Address

Key 179, care American Florist.

WANTED.

We want a florist for our cut flower department; must be a good decorator, designer and hustler, and not afraid of work; must furnish first-class references.

The Texas Seed & Floral Company, Dallas, Tex.

Retail Store Manager

Advertiser desires to engage a thoroughly competent manager for retail store, well located in a leading western city. This is a good opening for an up-to-date, progressive and reliable man. State age and full particulars of experience and former employment. Address

Key 181, care American Florist.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Grovers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Wanted at Once

An Experienced Young Lady Designer and Decorator.

Good salary will be paid to a first-class artist and saleslady, who must come well recommended. No others considered. Address

JOHN MANGEL,
Cor. of Wabash Ave. and Monroe St., CHICAGO.

FOR SALE

Two No. 2 Morehead steam traps in good working condition; price, \$45 each. One fire box hot water boiler, capable of heating 6000 feet of 4-inch pipe, used 4 years, new flues, complete with grates and smoke box; price, \$225. F. O. B. here.

GEORGE REINBERG,
51 Wabash Ave. CHICAGO.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

WANTED.

A married man to take charge of my retail store at Alton, Ill. Must be a good designer and present first-class references. Wages \$75.00 per month, including use of 6 room house with bath and furnace. A chance for the man who makes good to get an interest in the business. I can be seen at the convention.

J. F. AMMANN, Edwardsville, Ill.

THE ANNUAL MEETING of The Florists' Hail Association

Will be held at Conventional Hall,
Rochester, N. Y., on Thursday,
Aug. 18th, at 9 a. m.

JOHN G. ESLER, Sec'y.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 14, 1910.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Power's Hotel, Rochester, N. Y. Wednesday, Aug. 17, 1910, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

IF YOU ARE LOOKING

For Good Stock

We recommend sending us your orders regularly. You will find our stock equal to the best and better than many. Can furnish

**Beauties,
Maryland,
Killarney,**

**Jardine,
Richmond,
Field,**

**Kaiserin,
Bride,
Bridesmaid.**

Also Asters, Lilies, Valley, Gladioli, and all other stock in season.

**Green Goods of all kinds
Asparagus Sprengeri,
Plumosus, Smilax, Ferns**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Chicago.

KNIGHTS TEMPLAR WEEK.

"The town is yours" reads the inscription on some of the badges of the chamber of commerce and other people who are helping to entertain the "stranger within the gates" this week, and this almost explains the situation. Probably never in her history has the city been so full of visitors. They have crowded the stores, the parks, the street cars and trains and are everywhere intent upon a good time, while, to the credit of all concerned in their reception, they certainly look as though they were having it. Everybody, from high officials downwards, have unbent, and even the street car conductor and the crossing policeman have lost just a trifle of their dignity. The immense stands erected on Michigan avenue have been crowded with eager sightseers and, to put it mildly, the city has on her carnival dress, for many thousands of dollars have been spent on the decorations, welcome signs and other evidences of good feeling to the visitors. It was freely prophesied that it was going to be a very big week in the flower business but no one who gave any thought to the matter expected it. It is true there have been many entertainments given and these have caused the use of quite a number of American Beauty and other roses, but there has been nothing like a rush anywhere. The principal retailers have probably spent a great deal more money in decorating their stores than they are likely to get out of their week's business and they are happy to have been able to have aided in showing they are not behind in public spirit.

Practically the market is unchanged from our last notes. Beauties are scarcer and although other roses are not much more plentiful the cool August nights have already shown their effect in stiffening up the quality and improving the color. The plants all around will take a brace now and we have probably seen the worst of the stock for the season. A few field carnations are in but they cut no figure and carnations generally will be poor until the new crop from plants kept inside all summer appears. Orchids are decidedly scarce and growers who have an early batch of *Cattleya labiata* will probably make good money of them this year, as the demand cannot now be filled. Easter lilies, *Lilium auratum* and a few of

the speciosum varieties continue to arrive and there is plenty of valley and smaller stocks generally. The gladiolus is everywhere, a vast amount of poor stock being on the market, as well as some good flowers. Hardy flowers still arrive in quantity but the demand is limited. Ferns and green goods generally are in very fair de-

THE FLORISTS' CLUB.

The principal business at the Florists' Club meeting August 4, President Asmus in the chair, was the discussion of the report of the committee on inviting the Society of American Florists to hold its convention of 1911 in this city. The committee was composed of August Poehlmann, J. C. Vaughan, W. N. Rudd and C. L. Washburn and reported in favor of the proposition. August Poehlmann was appointed representative of the club in extending this invitation to the national society at Rochester. Mr. Poehlmann has the unanimous support of the Florists' Club in presenting this invitation endorsed by the Commercial club and the Horticultural Society. Inquiry shows that the delegation from this city will be sufficiently large to require a special train and a substantial sum was appropriated for the entertainment of the party enroute to the convention city. Reservation should be made without delay, addressing G. K. Thompson, 180 Clark street, corner Monroe (Telephone, Harrison 7600), or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

Chairman Yarnall of the bowling committee said the club would be represented at Rochester by a team of five selected from the following: Leonard H. Vaughan, George Asmus, Ed. F. Winterson, William Graff, John Huebner and T. C. Yarnall. An appropriation was made toward the expenses for the bowlers who will represent the club in the national tournament. The following were elected members of the club: Alex Garland, Des Plaines; H. Yepson, 606 Oakton street, Evanston, and Herman C. Wendland, Elmhurst. Geo. H. Bancroft, Cedar Falls, Ia., addressed the club telling of prosperous conditions in his territory and Robert Newcomb, of Bisbee, Ariz., told of business conditions in the mining regions.

Vaughan's Seed Store exhibited some very promising new gladioli, including among others Elizabeth Kurz, a fine, robust white from Germany, which shows no trace of the disease to which White Lady and others of that section

are subject, Early Amethyst, a seedling, the flowers of which are now bringing nearly as high a price as America on this market, and an unnamed Princeps seedling, very vigorous, with bold spikes of handsome dark red flowers.

Vice-President Philpott's duties in connection with the annual convention of the Canadian Horticultural Association, of which he is president, prevented his attendance on this occasion.

NOTES.

A function that is causing much interest annually is the flower show and anniversary meeting of the Luxemburger brotherhood, which is to be held on Labor day and the Sunday preceding it. The show is held at Ebert's & Karthausers groves at 6656 Ridge avenue, and as the admission is only 25 cents there should be a big attendance. Flowers, vegetables and fruits are all exhibited and \$1,500 is offered in prizes. Alderman Reinberg, N. J. and Henry Wieter and other prominent growers of the north side are all interested in this affair and a good time is assured all who attend.

The roses now arriving at the Poehlmann Bros. Co.'s store are in excellent shape, the cool nights having improved their quality considerably and from now on there will be no trouble in obtaining stock with substance enough to ship as far as is necessary. There are also fine stocks of lilies and valley, carnations of fair quality and orchids. At the greenhouses *Cattleya labiata* looks well and there will be good cuts on in time for the fall weddings.

C. W. McKellar and wife are still away in the east but will return immediately after the convention, shipping their car from New York instead of driving home, as they first intended. Meanwhile the store is in charge of Frank Ayres, who reports the demand of orchids just now as above the supply. He leaves August 21, the day Mr. McKellar is expected home, for a month's vacation in Canada.

At Winterson's Seed Store we noted large quantities of *Amaryllis Johnstoni* offered, a showy lily from the Cape. Vacations are in order here, John Degnan being in Michigan, A. E. Bemish going to Algonquin, while Miss Irene Love is spending her vacation at South Haven, Mich. Louis Winterson intends taking a trip the end of the month.

Summer Flowers

New Beauties, Kaiserin, Rhea Reid, Pink Killarney, Maryland, White Killarney

These are the Best Roses for hot weather. We devote a whole range of glass to their growth, and our plants are two to five years old, giving big, strong flowers.

Buy Direct of the Grower and Get Fresh Stock

—PRICE LIST—

AM. BEAUTIES,	Per doz.
24 to 30 in.....	\$2 00 to \$2 50
18 in	1 50
12 to 15 in.....	1 00
Shortstems.per 100,	3 00 to 6 00
ASTERS, according	
to size.....per 100,	\$1 00 to \$3 00
HARRIS LILIES	per doz., \$ 1 50
"	per 100, \$8 00 to 10 00

Maryland, Richmond, Killarney,	
White Killarney, Kaiserin.	
	Per 100
Good lengths.....	\$6 00
Good short lengths.....	2 00 to 3 00
Medium lengths.....	4 00
Extra select Kaiserin	8 00
ROSES, our selection....	2 00

Lily of the Valley	per 100, \$3 00
Asparagus	per string, 60
"	Sprays.per 100, \$3 00 to 4 00
Sprengeri	per 100, 2 00 to 3 00
Ferns	per 1000, 1 50
Smilax	per doz., 2 00
Adiantum	per 100, 1 00
Galax, green	per 1000, 1 00
"	bronze
"	per 1000, 1 00

PLEASE SEND YOUR ORDERS EARLY

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

Vaughan & Sperry keep busy all the time and are certainly moving a lot of stock. L. A. Vaughan has been suffering from a severe cold, but is sticking to business. Fred Sperry is still away on vacation. The asters now being handled here are remarkably fine and excellent gladioli, lilies and other flowers are seen here daily.

Zech & Mann are receiving fine stock from their greenhouses, where Matt Mann presides in person, John Zech taking charge of the store end. Besides their own stock they handle great quantities from other growers and just now are showing considerable hardy stock, such as phlox and other perennials.

Bassett & Washburn clean up their stock at the store every day, though the summer roses are coming in great quantities. They have not yet commenced to plant carnations from the field, the soil being too dry, but have the benches ready as soon as a rain comes.

Trade keeps up well at the Budlong store and the quality of the rose stock now arriving is very creditable to the growers. Phil Schupp is paying particular attention to the out-of-town shipping trade and the stock is fine for the purpose.

At E. H. Hunt's fine, well grown asters are leaders, the flowers being remarkably good for this dry season. Trade keeps up well here and the staff—lessened in number because of vacations—is kept pretty busy.

Good Beauties and other roses and carnations, far better than usually expected in August, may be seen at Peter Reinberg's. Shipping trade keeps up remarkably well here.

Michael & Bros., 7036 Cornell avenue, recently purchased a Fairbanks-Morse 3-h. p. gasoline engine, and will use same for watering in the greenhouses.

Geo. H. Bancroft, of Bancroft & Sons, Cedar Rapids, Ia., has been in town during the week, buying greenhouse material from the J. C. Moninger Co.

Vaughan's Seed Store is shipping Liliun formosum bulbs this week. Their French bulbs are enroute from New York and due here August 15.

The annual fall flower show will be held at the First Regiment Armory, Michigan avenue and Sixteenth street, November 7-12 inclusive.

Gustav Swenson of Elmhurst and E. T. Wanzer of Wheaton are installing the Skinner watering system.

A. E. Kunderd, of Goshen, Ind., was in town last week showing his new ruffled gladiolus to the trade.

Wendland & Keimel of Elmhurst have about completed their new \$900 brick chimney stack.

Paul Reith & Co., of Downers Grove, have started to rebuild their greenhouses.

Henry Seger of Washington Heights is extending his greenhouse plant.

Visitors: Thos. Chapman, Denver, Colo., on a vacation trip to Lake Superior; Geo. H. Bancroft, Cedar Rapids, Ia.; Robt. Newcomb, Bisbee, Ariz.; W. A. Bramley, of Bramley & Son, Cleveland, O., attending the Knights Templar conclave; O. J. Olson, St. Paul, Minn.; Mrs. Shoberg and L. Henderson and wife, Omaha, Neb.; N. Bommersbach, Decatur, attending the Knights Templar conclave; C. H. Hume, Memphis, Tenn.; W. W. Coles, Kokomo, Ind.; W. A. Reiman and wife, Vincennes, Ind.; J. Bland, Independence, Ia.; Chas. Brown, wife and son, Canton, O.; Grant Nash, Cobden; Harry Balsley, Detroit, Mich.; M. C. Kent, of Kent Bros., Newark, O.; Arthur Graves, Bloomington; L. P. Harley, Hartford, Mich.; G. R. Gause, Richmond, Ind.; F. H. Holton, Milwaukee, Wis.

Chicago to Rochester.

The Chicago Florists' Club has arranged with the Lake Shore & Michigan Southern railroad for transportation to the Rochester convention as follows:

A special train will be provided, same to be counterpart of the Twentieth Century Limited and to consist of combination baggage and buffet car, one of the famous Lake Shore diners, as many as 12 sections and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation end sleeping car. The train will leave Chicago at 5:30 p. m. Monday, August 15, arriving in Rochester at 9 a. m. Tuesday, August 16.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth, \$3; section, \$6; compartment, \$8.50; drawing room, \$11.

Delegates from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to this special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join the special train at Toledo. The St. Louis people could come via Chicago and join this special train if they so desired, as the same rate

would apply through Chicago as via the direct line.

G. K. Thompson, general agent passenger department, will accompany the party for the purpose of seeing that everything goes smoothly. For further information and reservation, address G. K. Thompson, 180 Clark street, corner Monroe (Telephone, Harrison 7600), or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

A cordial welcome is extended to any outside florists' clubs, who may wish to join the Chicago Florists' Club special train for the Rochester convention of the S. A. F. Those who wish to be requested to communicate with L. A. Winterson, secretary of the Chicago Florists' Club, 45 Wabash avenue, stating how many will join, in order that proper accommodation may be provided.

St. Louis.

STOCK IN GOOD DEMAND.

In August business is not expected to cut much figure. The first of the down-town theatres opened up August 7, and every week will see the others getting into line. Of course this will help some. Many of the craft will be away on vacations and quite a few will attend the S. A. F. convention at Rochester. Many are cleaning, painting and improving their stores so they will bear a bright and new appearance when trade starts in next month. Stock has been in demand and there has not at any time this week been an over supply. Asters are getting more plentiful and much improved in quality. There are not many American Beauty roses, though there is always a demand for this rose. At the wholesale houses there is that dullness which shows itself in the absence of those regular buyers who never fail to make their daily rounds when the season is on. Some extra fine long dagger ferns are in and sell well on account of their keeping qualities. The damp cool weather experienced in early spring accounts more or less for the lateness of tuberose. Some good Asparagus plumosus and A. Sprengeri are in and selling well.

NOTES.

For several months past the Retail Florists' Association has had under consideration the opening of a co-operative wholesale flower store. At present the outlook is for an early adoption of the plan. The object is to furnish the retailers with a regular supply of stock at lowest cost to retailer which end will be attained by their pooling their interests.

C. G. Westman, formerly with Grimm & Gorly, is now with F. H. Weber. F. H. is getting ready for fall trade. He is a hustler and has been very prominent and successful of late years at our flower shows capturing many important prizes. He is painting and fixing up all around. He finds pleasure in his touring car in the evenings.

The Retailers' Association met last Thursday evening at the Knights of Columbus hall and had a lengthy meeting. Crepe-pulling methods were discussed and the best way to put a stop to them caused a long debate. These and other matters were laid over to next meeting which will be held in September.

Alex. P. Geranios, manager of the Metropolitan Floral Co., will open his new store about August 15; fixtures are being put in. He will handle the best stock the market affords and run a first-class store. Miss Hattie Kubisch, formerly with the Koenig Floral Co., will be the saleslady.

Mrs. Daniel S. Brown, of Kirkwood, wife of Daniel S. Brown, vice-president of the Coopersage Co. and celebrated orchid specialist, accidentally



ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc. Send for Quotations.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

threw a valuable pearl necklace into a log fire together with a paper napkin while at a bridge party. The necklace, valued at \$2,000, was totally destroyed.

At the W. C. Smith Wholesale Floral Co. everything is in a state of confusion. Alterations have commenced and tearing down walls and other improvements will take at least two months to complete, but when finished they certainly will have the place.

Otto Bruenig has returned and will have full charge while H. G. Berning and wife attend the S. A. F. convention. This firm has had a fine stock of asters, American Beauty and other roses all week and when there is anything doing Henry has his share of it.

The Burke Floral Co., under the management of John Burke, will open its new store in a few days. It is a pretty little place in a good location opposite the Rock church and the Central high school. Johnny was busy getting ready for the opening.

John Steidle is now cutting and sending to F. C. Weber a fine crop of Longiflorum lilies. His purple, white and pink asters are as clean and well grown as any coming in to the market, also his rose crop is coming on nicely.

C. A. Kuehn is getting some of the best looking stock coming into the market. Some extra fine lily of the valley is seen. Fancy asters, lilies and a fine crop of summer roses were to be seen on the counters.

Andrew Hoffmann, foreman at Geo. Waldbart's, is on his vacation. He has built himself a fine family residence and is moving into it during his vacation. Andrew has been a steady and faithful worker.

At Geo. Angermueller's a fine crop of asters and gladioli are in. Roses are arriving slowly. Good White Killarney and Killarney are cleaned up. American Beauties have been in demand.

Bassett & Washburn, Chicago, are shipping some good color American Beauties here. The buds are well shaped and show great vitality.

John Connon and wife, Webster Grove, are expected back this week from Canada where they have been spending a most delightful time.

Throughout the Kirkwood district violets in some places are looking poor. They attribute this to the very wet weather through June and July.

Jim Arado, manager of the cut flower department at C. Young & Sons

Co., has been indisposed and confined to his room all last week.

Charlie Steidle, son of John Steidle of Olivette, who is employed by Bassett & Washburn of Chicago, is on his vacation visiting his parents.

Dominic Bova, of the Red Bud Floral Co., is all smiles. A 9-pound girl has arrived and he is now a very proud papa.

David Geddis, formerly foreman at C. A. Samuelson's, Chicago, is now with F. C. Weber as designer and salesman.

Geo. Waldbart always has an attractive window. In middle of summer he always has the latest and best in the market.

R. J. Windler is home again and has fixed up his store. He has a fine stock of everything.

The Woodbine Floral Co., Kirkwood, is cutting some fairly good carnations.

Frank Windler has returned from his vacation. W. F.

PITTSBURG, PA.—A. W. Smith is installing raised cement benches in his greenhouses, using his own molds, which give excellent results.

AUGUST F. RICHTER Co., 455 W. Huron street, Chicago, manufactures an especially nice line of fern boxes. Inquiries will receive prompt attention.

M. J. RUPP, of the J. C. Moninger Co., 902 Blackhawk street, Chicago, will have charge of the exhibits at the Rochester convention. Among the exhibits will be sample boilers, greenhouse material and new features of construction. Mr. Rupp will leave August 14 and will have everything in readiness for the opening day. He will also take with him some plans, blue prints, etc.

DESLAINES, ILL.—A few of the Geo. M. Garland Co.'s exhibits at the Rochester convention will be: a sample house, 12x18 feet, of its latest construction, a soil conveyor, a greenhouse handy truck and a concrete post mould. H. S. Garland and H. Blume leave August 13 and will make the journey by boat, and will have everything in readiness for the opening day. B. J. Maynard of Cleveland, O., the eastern representative, will also be at the convention. Mr. Garland said he would like to have accompanied the crowd to the convention but it was necessary to go ahead to superintend the exhibit. The company has enjoyed a very good season and the end is not yet.

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Chicago Notes.

C. Clemenson, 7801 Railroad avenue, is now occupying his new store and flat. Preparations for building were made last fall, but were not completed until spring. The fixtures, consisting of an icebox, counter and wall case were purchased from Paul J. Daemticke, 1336 Fullerton avenue. The fixtures are of solid oak and of a natural oak color. A fibre composition floor was laid by Demling & Wendt, 84 La Salle street. This floor is both fire and waterproof and is guaranteed for at least five years. These floors are used in nearly all the public buildings in Germany and have proved to be far superior to wood and other floors. Both electric and gas lights are used. A large workroom is in the rear of the store and a cold storage room in the basement. A Kewanee firebox steam boiler heats both the store and greenhouse. The greenhouse, 26x125 feet, is nearly completed, a few more benches will be put in. The house is of iron and concrete and was purchased from the J. C. Moninger Co. Cement walks are laid in the house and electric lights have been put in. Mr. Clemenson said his investment was about \$20,000. The location is an ideal one; five streets lead directly to the door. The greenhouses on Sherman avenue have been sold to Joe Michael, who will remove same to his place on Stony Island avenue. Without doubt, Mr. Clemenson has one of the most up-to-date places in the city, and we have to thank Mr. and Mrs. Clemenson for their kind hospitality on the occasion of our visit.

Luke Collins, 1441 E. Seventieth street, is making preparations for fall planting. Two greenhouses are devoted to ferns and one to carnations. The asters are in fine shape. Mr. Collins has charge of the flower beds and window boxes of the South Shore Country club and this keeps one man busy. William assists his father about the place and extra help is also needed. A large amount of funeral work is turned out and a good business done in the cut flower line.

Jas. Curran, 2909 Archer avenue, is having a cement walk laid in front of his store. Two designs, a 21-inch pillow, made of white and pink Killarney roses and asters, and a gates ajar of Killarney roses and lily of the valley were delivered at 3043 Lock street, July 29. Mr. Curran will take in the S. A. F. convention at Rochester.

Paul Paverlick, 3308 S. Hoyne avenue, will leave next week for Peoria

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED

WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Aug. 10.		
Roses, Beauty, extra select	3 00	
" " specials	2 50	
" " 36 in.	2 00	
" " 30 in.	1 50	
" " 18 in.	1 25	
" " 15 in.	1 00	
" " Short	50@	75
Per 100		
" Bride, Bridesmaid, select	3 00@	8 00
" " medium	2 00@	2 50
" Killarney, select	3 00@	10 00
" " medium and short	2 00@	2 50
" Kaiserin	3 00@	10 00
" Mrs. Jardine	3 00@	10 00
" Chatenay	2 00@	10 00
" My Maryland	2 00@	10 00
" Perle	3 00@	10 00
" Richmond	3 00@	10 00
" Uncle John	4 00@	10 00
" White Killarney, select	2 00@	3 00
" " medium	1 50@	3 00
Carnations, select fancy	2 00@	3 00
Asters	2 00@	2 50
Chrysanthemums, per doz.	4 00@	6 00
Cattleyas, per doz.	2 00	10 00@12 00
Lilium Harrisii, per doz.	2 00	10 00@12 00
Lily of the Valley	2 00@	4 00
Mexican Ivy	75@	1 00
Adiantum, per 100	75@	1 50
Asparagus Plum, strings, each	60@	75
" " sprays	3 00@	4 00
" Sprengerii	3 00@	4 00
Ferns, per 1000	2 00	
Smilax	1 50@	2 00

CINCINNATI, Aug. 10.		
Roses, Beauty	1 00@	3 00
" Bride, Bridesmaid	2 00@	6 00
" Golden Gate	2 00@	6 00
" Killarney	2 00@	6 00
" Richmond	2 00@	6 00
Carnations	1 00@	2 00
Callas	10	
Daisies	50	
Lilium Album and Rubrum, per doz.	50	
Lilium Auratum, per doz.	1 50	
Lilium Longiflorum	10 00@	12 50
Lily of the Valley	3 00@	4 00
Adiantum	1 00@	1 50
Asparagus Sprengerii, per bch.	25	
Smilax	12 50@	15 00
Gladiola	3 00@	4 00

MILWAUKEE, Aug. 10.		
Roses, Beauty, per doz.	50@	3 00
" Bride, Bridesmaid	3 00@	6 00
" Killarney	3 00@	8 00
" Richmond	3 00@	6 00
Carnations	2 00@	3 00
Asters	1 00@	2 00
Gladioli	3 00@	5 00
Lilium Giganteum, per doz.	1 50	10 00
Lily of the Valley	3 00@	4 00
Magnolia	35	
Snapdragon	2 00@	4 00
Sweet Peas	25@	50
Adiantum	1 50	
Asparagus, per string	50@	60
" Plumosus, per bunch	35@	50
" Sprengerii	35	
Ferns, Fancy, per 1000	1 50	
Galax, per 1000	1 50	20
Smilax, per doz.	1 50	

on a visit. Mr. Paverlick sold his residence on Hamilton and bought another on Hoyne avenue, opposite his manufacturing plant. Business has been very good the past season and the men are busy turning out wire floral designs.

Carl Bachler, 2209 W. Thirty-fifth street, bought the place he is now oc-

WIETOR BROS.

Wholesale **Cut Flowers**
Growers of

All telegraph and telephone orders gives
prompt attention.

51 Wabash Ave., **CHICAGO**



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue **CHICAGO**

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**

Telephone, Central 3284.

Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., **CHICAGO.**

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., **CHICAGO.**

Long Distance Phone, Randolph 3619.

BE YOUR OWN COMMISSION MAN

—AT THE—

Flower Growers' Market

60 Wabash Ave., **CHICAGO.**

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

cupying from J. E. Radke for \$1,000. The store will be remodeled and a new icebox put in. Mr. Bachler, for the past five years, was in the employ of C. H. Fisk, 1581 Ogden avenue. J. Jensen & Son, 7506 Euclid avenue, report having had a good reason. The chrysanthemums, ferns and carnations are in fine shape. A store has been opened up at Seventy-third street, Bryn Mawr.

Joe Michael, 7050 Stony Island avenue, bought two greenhouses from C. Clemenson, 7801 Railroad avenue, and will remove same to his property on Stony Island avenue.

C. B. Chase, 2205 Michigan avenue, returned last week from Fox lake where he had been on a fishing trip. Ed. Siegel had charge of the store during his absence.

WM. C. SMITH WHOLESALE FLORAL CO.

1316 Pine Street, ST. LOUIS, MO.

WATCH US GROW.

Both Long Distance Phones.

H. G. Berning, Wholesale Florist,

1402 Pine Street, ST. LOUIS, MO.

Both Long Distance Phones.

Reliable. Everything a Florist Needs.

C. A. KUEHN, Wholesale Florist,

1122 Pine Street, ST. LOUIS, MO.

Both Long Distance Phones.

SUPPLIES EVERYTHING IN SEASON.

Geo. H. Angermueller, Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO.

Prompt and Courteous Attention to All.

YOUR BUSINESS SOLICITED.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

LODI, CALIF.—The thirty-seventh annual convention of the California Fruit Growers' Association will be held in San Joaquin county either in this place or Stockton in December.

MOORESTOWN, N. J.—The State Horticultural Society held its midsummer meeting July 28 at the home of Horace Roberts. An exhibit of the new Pan-American strawberry was made, which will bear fruit from June until late. Barton Bros., the Burlington county peach kings, who cleaned up \$20,000 alone on this crop last year, were prominent among the crowd. Several hundred attended the meeting.

Wholesale Flower Markets

BOSTON, Aug. 10.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	15 00@20 00	
" " culls	5 00@10 00	
" " Bride, Bridesmaid	1 00@4 00	
" " Killarney and Richmond	1 00@6 00	
" " My Maryland	1 00@8 00	
" " Carnot	2 00@12 00	
Carnations, select	75@1 00	
" " fancy	1 00@2 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@4 00	
Smilax	12 00@16 00	

St. Louis, Aug. 10.		Per 100
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 30@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	2 00@5 00	
" " Killarney	3 00@5 00	
" " My Maryland	3 00@5 00	
" " Richmond	3 00@6 00	
Carnations	1 00@1 50	
" " fancy	1 50	
Asters	1 00@5 00	
Callas	8 00@10 00	
Easter Lilies	6 00@10 00	
Sweet Peas	20@1 50	
Adiantum	1 50	
Asparagus Sprengeri	2 00@3 00	
Smilax	12 50@15 00	

MORRISON, ILL.—The R. R. Davis Co. has incorporated with a capital of \$60,000. The incorporators are: J. W. Steiner, R. R. Davis and F. L. Davis.

—THE— J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768.

SAN ANTONIO, TEXAS.—State Nursery Inspector S. R. McKee was in this vicinity, making his official inspection of the nursery and greenhouses, as required by law regulating the sale and shipment of trees.

The Greatest Convention of Them All at Rochester, New York

— SO WILL —

The Florist Supply House of America

'Have the Greatest Display Ever Made at a Convention

It will be a treat to you to look it over. All attractive goods for florists to be interested in.

Latest Up-to-Date Novelties Will Be Shown

You will want them. A large corps of salesmen will be present to wait on every one.

H. BAYERSDORFER & COMPANY

1129 Arch Street,

PHILADELPHIA, PENNA.

BRONZE GALAX \$1.00 per 1000 \$7.50 per case

An important item every retail florist uses. You will always find OUR GALAX the best in quality. Be convinced of the good value we can give you in GALAX by placing YOUR NEXT ORDER WITH US.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m.
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Berger Bros., Wholesale Florists,

1305 Filbert Street, PHILADELPHIA, PA.

The Best of All Kinds of Flowers in their season.

Prompt Delivery.

Philadelphia.

BUSINESS CONTINUES DULL.

In the forenoons there is some show of activity about the stores but it usually drops back to a dead level of dullness in the afternoon. Good stock continues scarce. Quite a few tea roses are seen but generally they are short stemmed with small blooms. A few carnations are seen but they are scarcely a factor at present. The asters are now in quantity and the late rains have improved the quality. There is an abundant supply of very good lilies and lily of the valley. The retail stores are very quiet, funeral work being the main feature. At some stores advantage is being taken of the dullness to paint and redecorate.

NOTES.

M. J. Callahan is an enterprising young retailer with two stores on Market street, one at 3804, the other at 3924. In the latter store he is making extensive improvements and will erect a conservatory in the rear 19x85 feet. Mr. Callahan has only been in business for himself a little over three years and his success has been marked. Frank L. Polites has a very handsome display in the window of his Chestnut street store, a large aquarium with water lilies and gold fish as the attraction. His buyer, James Paul, has gone for a trip to Europe.

George Craig of 211 South Eleventh street is one of the retailers who takes the summer dullness philosophically. He has a nice store, with a

Wholesale Flower Markets

PHILADELPHIA, Aug. 10.		Per 100
Roses, Beauty, extra.	20 00@25 00	
first	10 00@15 00	
Brides and Maids	1 00@ 5 00	
Killarney	1 00@ 6 00	
White Killarney	1 00@ 5 00	
Carnations	1 00@ 2 00	
Asters	75@ 2 00	
Cattleyas	40 00@50 00	
Gladiolus	2 00@ 6 00	
Lilium Harrisii	6 00@ 8 00	
Lily of the Valley	2 00@ 3 00	
Snapdragons	4 00@12 00	
Sweet Peas	25@ 50	
Adiantum	75@ 1 00	
Asparagus	per bunch 50	
Smilax	15 00@20 00	

PITTSBURG, Aug. 10.		Per 100
Roses, Beauty, special.	12 00@15 00	
extra	8 00@12 00	
No. 1	4 00@ 6 00	
Bride, Bridesmaid	1 00@ 4 00	
Chatenay	1 00@ 4 00	
Killarney	1 00@ 4 00	
My Maryland	1 00@ 4 00	
Richmond	1 00@ 4 00	
Carnations	1 00@ 2 00	
Asters	1 00@ 2 00	
Gladioli	2 00@ 5 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	3 00@ 4 00	
Sweet Peas	25@ 50	
Adiantum	1 50	
Asparagus Sprengerii, per bunch,	50	
strings... per string,	50	
sprays... per bunch,	50	
Smilax	15 00	

conservatory attached, well adapted for the care of palms.

At Robert Kift's store there is always something doing. Hot weather

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURG, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave.,

PITTSBURG, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

does not dull the spirits of the genial proprietor and cheerfulness pervades the whole force.

(OTHER PHILADELPHIA NOTES ON PAGE 141.)

ASTERS

Situated in the great Aster Growing Section our facilities for obtaining and shipping High Grade Stock are unexcelled. : : :

GEORGE B. HART,

**Wholesale Dealer in Cut Flowers, Plants,
Bulbs and Florists' Supplies.**

24 Stone St., Rochester, N. Y.

We extend a cordial invitation to all visiting Florists to pay us a visit during the Convention of the S. A. F. and O. H.

New York.

August being generally considered the dullest month of the year market conditions are just about what we generally expect at this time. The long drought has at last been broken and, although there has been very little rain in the city, the surrounding country is getting its share, consequently all outdoor stock is arriving in better condition. Asters and gladioli, while much better, are not moving any faster and are not bringing any better prices. Roses are arriving in poor condition and very small and are hard to move. While American Beauties are not as plentiful as the previous week, owing to lack of demand there is no increase in price. Lillies are not as plentiful this week and they also are lacking purchasers. Cattleyas are getting scarcer, while lily of the valley is bringing \$2.50 per 100 for the best. A great many of the wholesalers are taking advantage of the dull period to send their employes on well earned vacations and are going away themselves to recuperate their strength and be in readiness for what everyone expects will be an unusually busy season to come.

NOTES.

Mr. Reed of Reed & Keller has just returned from an extended tour of Europe having visited every European country except the British isles. Mr. Reed visited the exposition in Brussels but was particularly impressed with an exhibit in Hamburg of garden and farm products and agricultural implements. In describing the latter Mr. Reed stated that in his opinion Germany was equally as far advanced in the manufacture of these wares as America and that the day of exporting agricultural implements from this country there was practically over. He also purchased numerous novelties while abroad and will exhibit these at the convention.

A visit to Woodlawn cemetery section found conditions to be unusually bad this summer, the long drought and intense heat having badly scorched the bedding plants and grass and the surrounding florists who have care of the plots are having a hard time as every drop of water has to be hauled from outside the cemetery. Millson has his usual artistic carpet bedding display of a railroad engine and train of cars; last year his display consisted of the ship, Half Moon, and the steamers Claremont and Hendrick Hudson,

and this was greatly admired by the passing throngs on the railroad.

J. Grulich & Son, Hoboken, N. J., were fortunate in securing a large funeral order on Thursday which is particularly acceptable at this time of year. Among the pieces was a casket cover made of lavender asters—Lilium auratum and lily of the valley while the interior of the casket was trimmed with cattleyas; also a large cross made entirely of cattleyas and asparagus.

Chas. D. J. Noelke, Seventh avenue, Harlem, has returned from a two weeks' stay at Brielle on the Jersey coast. Mr. Noelke is a member of the Twenty-first district school board. Mrs. Noelke will leave shortly for a month's stay at the same place.

John Foley, with Lecakes & Co., spent a day fishing last week and reports "never again" for him; we surmise that he must have been sea sick.

Mr. Hanflin of Russin & Hanflin has just returned from Europe where he has been gathering novelties for two months for the coming season.

Wm. Ford, of the former firm of Ford Bros., has leased the store at 45 West Twenty-eighth street from Russin & Hanflin and will occupy same as soon as alterations are completed expecting to be open for business September 1.

Mr. Henshaw is back from a two weeks' tour through the New England states and has the appearance of having spent a month in the tropics, his complexion being pretty well tanned.

Rumor has it that there is to be a combine of three large growers and former commission men who will open shortly on Twenty-eighth street.

Harry Bunyard has gone to the Adirondack mountains for a much needed rest, but expects to be on deck at the convention.

Chas. Miller with Walter Sheridan is back from his vacation which was spent in Sullivan county.

Chas. Matthews, with E. C. Horan, is spending a two weeks' vacation in Sullivan county.

(OTHER NEW YORK NOTES ON PAGE 141.)

California Flower Market**AND****Shipping Department****WITH****All Kinds of Cut Flowers****31-33 Lick Place,****San Francisco,****Calif.****WHOLESALE**

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

1 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Alexander J. Guttman, THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET,
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID.



Give us a Trial
We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Albany, N. Y.

Louis Menand, Sr., Cemetery avenue, has decided to go into the growing of orchids for the local market. During the past three years the demand for cattleyas for decorative purposes and for corsage bouquets has been growing, as has also the use of cypripediums for funeral pieces. Mr. Menand has imported from London a consignment of cattleyas and dendrobiums of good commercial varieties. He has also received many plants from the G. L. Freeman Co., Fall River, Mass. On the afternoon of July 30 a hailstorm swept across the houses owned by Mr. Menand. The glass in two of the oldest houses was thoroughly riddled by the stones, which had no effect, however, on the double thick panes used in later years.

The August meeting of the Florists' Club was held at the establishment of Secretary F. A. Danker. President Goldring, who is chairman of the flower show committee, reported that everything had been done up to the present that can be accomplished and that the premium list is ready for the printer. The club will hold its second annual show in the state armory in

Wholesale Flower Markets

NEW YORK, Aug. 10.

Roses, Beauty, special.....	8 00@20 00
" " extra and fancy....	3 00@ 8 00
" " No. 1 and No. 2....	50@ 2 00
" Bride, Bridesmaid, special.	3 00@ 4 00
" " extra and fancy.....	1 0@ 3 00
" Killarney, special.....	3 00@ 4 00
" " extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2.....	50@ 1 00
" Kaiserin, special.....	5 00@ 6 00
" " extra and fancy.....	2 0@ 4 00
" " No. 1 and No. 2.....	50@ 1 00
Carnations.....	1 50@ 2 00
Chrysanthemums, per doz..	1 00
Cattleyas.....	35 00@65 00
Gladiolus.....	25@ 2 00
Lilium Longiflorum.....	3 00@ 4 50
Lily of the Valley.....	1 00@ 2 50

Asters vary so much that they cannot be quoted.

BUFFALO, Aug. 10.

Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@ 4 00
" Bride, Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Pres. Carnot.....	4 00@ 7 00
Carnations.....	75@ 2 00
Asters.....	40@ 2 00
Daisies.....	50@ 1 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....per bunch, 3c@5c	
Adiantum Croweanum.....	1 25@ 1 50
Asparagus Str.....	50@ 60
Ferns.....per 1000, \$1 50	
Galax, green and bronze.....	1 50
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

November. The following were elected members: A. B. Reynolds, Ballston Spa; Walter Mott, Yues Gardens Co., Newburgh; Marvin Champlin, Schenectady; John Ralph, Saratoga Springs; and Thomas F. Kelliher, of this city. Proposed for membership: A. J. Binley, Glens Falls. It was decided to hold the annual clam bake at the grove of Henkes Bros., Newtonville, August 28. During the evening refreshments were served and an entertainment given by John A. Howe, Jr., an honorary member. R. D.

BRAMPTON, ONT.—When the new range of orchid houses being built for the Dale Estate is completed and filled with newly imported orchids, this establishment will have the largest and best collection of that flower in Canada. This concern expects to put glass on three 640-foot violet houses early in September.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
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Mention the American Florist when writing

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American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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450 Sixth Ave., NEW YORK
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited

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Successor to FORD BROS.

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Telephone 3870-3871 Madison Square

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P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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Telephone 1998 Madison Square.

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine Etc.
parts of United States and Canada127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

MOSSSES

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

Boston.

STOCK BETTER.

A general improvement in most of the stock being offered is very noticeable, the few rains that we have had showing their effect in the outside lines, with the exception of sweet peas, which, of course, the showers in many cases have almost spoiled, but a few days of pleasant weather will make them better than they have been for some time, for everything needed the rain badly. In fact, what moisture has fallen is only enough to tide over for a few days and we badly need two or three good rainy days for the benefit of all vegetation. The monthly rainfall for July is way below the average. Roses remain as they have been for the last few weeks; the quality of the cheap grades is far from good. The cut from the spring planted stock is being offered by some growers and is perhaps as good as can be expected, but they are yet small and lack body. There are some very good Kaiserins, Marylands and Carnots being offered and they are bringing fair summer prices. Beauties are far from good, while the stem is perhaps all that can be desired, the blooms are small and the color very light. Carnations are offered by some of the growers and show a decided improvement, but the majority of the stock is still very small. The quantity is now decreasing rapidly, as the replanting of the houses is now receiving the growers' attention. The prices remain about the same. Asters are much better and show the most improvement of any of the stock on the market, and the best are bringing good prices. Some beautiful gladioli are now to be procured and they are very effective in the window displays of the different stores. Lilies are still plentiful and good. The first chrysanthemums made their appearance this week, some Golden Glow, a little too early to be appreciated.

The retailers are busy and slack by turns, about as they expect during the summer months, but in some cases the busy days outnumber the poor ones. Galvin's Tremont street store the early part of the week had enough on hand to keep the help going overtime. While there is scarcely any effort to make great window displays and in the up-town stores the decorations consist of decorative plants, down-town some one flower is made the important feature and is displayed in a manner to catch the eyes of the passer-by. In Penn's window was a handsome row of cen-

Lilium Harrisii

Now Ready for Delivery.

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.

7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.

9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

F. R. PIERSON CO.

Tarrytown-On-Hudson,

NEW YORK.



FANCY.

\$1.00 per 1000

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000

Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER.

\$1.00 per 1000

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

taurea, backed by a bunch of tritoma. Galvin's window of nymphæas always has a large number of shoppers admiring them. Wax Bros.' row of sunflowers large enough to belong to the celebrated Kansas breed, causes many to stop and look in. In Zinn's window a row of chrysanthemums was the center attraction. Comley had some beautiful America gladiolus.

NOTES.

The National Association of Railway Gardeners will hold their annual convention in this city September 5-6. E. A. Richardson of Newtonville, gardener for the B. & A. division of the N. Y. C. & H. R. R. R., has charge of the arrangements and is on the continual jump making up the plans for the accommodation and entertainment of the members. The programme is not yet completed but in all probability the American house will be the headquarters and the convention meetings will be held in that hostelry. It had been

New Crop Ferns

FANCY and DAGGER ready May 1st.
Special price for large orders
Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,Evergreen, Alabama
Mention the American Florist when writing

hoped to procure the committee room at Horticultural Hall but proposed repairs at that time will probably prevent the use of that room. A trip through the metropolitan park system to the Arnold Arboretum, and a walk through these interesting grounds, thence a visit to the Larz Anderson estate and then to Prof. Sargent's, which will make a most enjoyable excursion for anyone and especially to those interested in arboriculture.

(OTHER BOSTON NOTES ON PAGE 146.)



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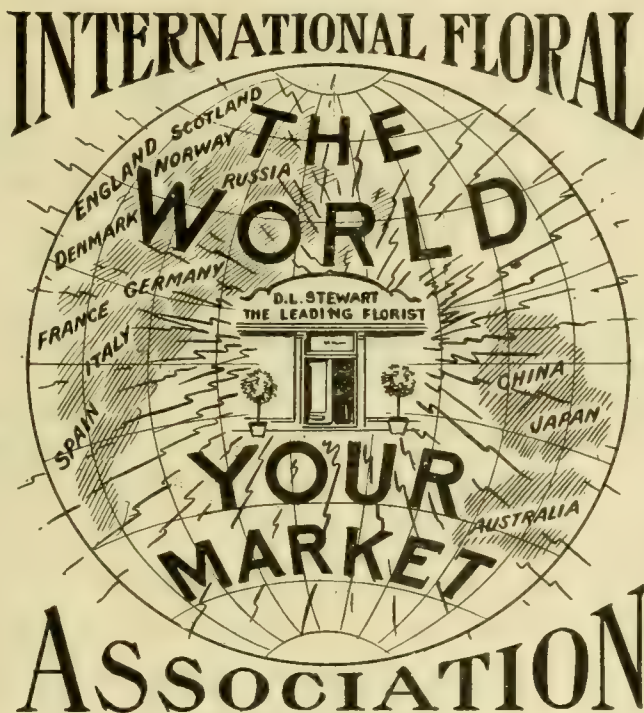
INTERNATIONAL FLORAL ASSOCIATION

We are now ready to contract for the American memberships to the International Floral Service for prompt delivery to any part of the globe.



DELIVERED ANYWHERE, FOREIGN OR DOMESTIC.

WE have contracted for our European connections and are in a position to deliver flowers promptly in Canada, England, Germany, Ireland, Scotland, Austria, Hungary, Belgium, Denmark, France, Italy, Luxemburg, Netherlands, Norway, Sweden and Switzerland, China and Japan, and other countries where there are florists.



WE will shortly inaugurate a publicity campaign advising the public that the service is ready and that they can have prompt deliveries through their local florists for weddings, funerals, parties and birthdays, or for any occasion where flowers are to be delivered to any part of this country or Europe.



AN Interstate service for America is now in process of organization.

The membership will be limited to a reputable florist in each locality; those desiring membership should write at once, to address below, with enclosures of five good references as to their *business integrity*, not financial standing. This is to insure promptness as well as to guarantee that *full value will be given for every dollar received*.

We will not consider an application for territory without the above references.

INTERNATIONAL FLORAL ASSOCIATION
1328 Broadway NEW YORK CITY

References as to Financial Standing on Application



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

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JULIUS BAER,

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Long Distance Phone.

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J. B. BOLAND

Successor to Sievers & Boland

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H. A. FISHER CO.

Wholesale and Retail Florists.
We Handle Everything in Season.

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C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

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S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Indianapolis, Ind.

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Also

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J. DAN BLACKSTONE

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either
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Phones Bell, Main 2306; Kinloch Central 4981

New York.

Established 1849

David Clarke's Sons

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2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Kansas City

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Alpha Floral Co.

1105 Walnut St., Kansas City, Mo.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

VERDUN, QUE.—Bode & Jensen have recently started their new plant on Rockland avenue. They are growing with a good deal of success English cucumbers, which are a paying crop. Just at this time of year, these grow rapidly, bear heavily, and command a ready market and good prices.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1583

Mention the American Florist when writing

Denver, Colo.

The Park
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J. A. VALENTINE, President.

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Washington, D. C.

Geo. C. Shaffer,

:: FLORIST ::

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

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Montreal.

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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

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Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

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Send flower orders for delivery in

Boston and all
New England PointsTo THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

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John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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Rochester Phone 506. Long Dis. Bell Phone 1111

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L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels. Denver"

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

MICHIGAN.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

Deliveries in

NEW YORK, LONG ISLAND and NEW JERSEY.

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

Aug. 16.

Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.
Geo. Washington, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Saxonia, Cunard, 6 p. m., Boston Pier.

Aug. 17.

Lusitania, Cunard, 9 a. m., Piers 54 and 56, North River.
Majestic, White Star, 3:30 p. m., Piers 60 and 61, North River.

Aug. 18.

La Provence, French, 10 a. m., Pier 42, North River.

Graf Waldersee, Ham.-Amer., 3 p. m., Hoboken Pier.

Germania, Fabre, 1 p. m., Amity Dock.
FROM QUEBEC, Lake Manitoba, Can.-Pacific, 3:30 p. m.

Aug. 19.

FROM MONTREAL, Victorian, Allan, 4 a. m.
FROM BOSTON, Numidian, Allan, 9 a. m.
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.

Aug. 20.

Columbia, Anchor, 9 a. m., Pier 64, North River.

St. Paul, American, 10 a. m., Pier 62, North River.

Carmania, Cunard, 10 a. m., Piers 54 and 56, North River.

Bordeaux, French, Pier 84, North River.

Kronland, Red Star, 11 a. m., Pier 59, North River.

Cedric, White Star, 10 a. m., Piers 60 and 61, North River.

Megantic, White Star-Dom., Daylight.

Cincinnati, Ham.-Amer., 10 a. m., Hoboken Pier.

Koenigin Luise, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Hesperian, Allan.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
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Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers of Quality
W. J. Palmer & Son,
304 Main St.

Mention the American Florist when writing

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

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St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

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FLORIST,

Telegraph Orders
A Specialty,

218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L.H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

SWEET CORN prospects are said to have improved.

THE Mississippi river at Burlington has touched the low water mark established in 1864.

CHICAGO onion sets will be of very fine quality in size and condition if rains do not interfere soon.

WINTER VETCH seed has advanced \$1 per 100 pounds; it is a great winter cover crop.

CARLOAD lots of *Lilium formosum* from Japan have arrived at Chicago in good order—the date is early.

THE general outlook for the tuberose crop may be said to be fairly good, although there has been too much rain the first part of the season.

NEW YORK.—H. Frank Darrow will return from Europe about August 20. —Geo. Stumpp, of Stumpp & Walter, is away on a short vacation.

VISITED CHICAGO.—J. A. Goodyear, Michigan state representative of Iron Age goods; Arthur B. Clark, Milford, Conn., returning to the east after a protracted stay in the pea and bean districts; W. B. Stubbs of Wood Stubbs & Co., Louisville, Ky.; M. C. Kent of Kent Bros., Newark, O.

CHICAGO.—Prices on the board of trade August 10 for grass seed were noted as follows: Timothy, \$5.50-\$6.50 per 100 pounds. White clover from 20 cents to 25 cents. Leonard H. Vaughan is on an eastern trip.—Winter or tree onions sets are arriving and in demand, price about three cents per pound to dealers in moderate lots.

The Advance In Peas.

The Jerome B. Rice Seed Co., of Cambridge, N. Y., has furnished the following table of comparative prices of the leading canners' varieties of peas, August, 1909, and August, 1910.

	Aug., 1909	Aug., 1910.
Advancer	\$4.00	\$5.00
Alaska	4.00	5.00
Extra Earlyies ..	3.75	5.00
Gradus.	6.00	8.00
Horsfords	4.00	5.00
Telephone	4.50	6.00

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Louisville Onion Sets.

Louisville, August 4.—We have not made any estimate that we would consider as thoroughly reliable regarding the damage done to onion sets in this district, but we find the acreage pretty large and the general size of the sets slightly above an average. This will have a tendency to make an increased yield over the district.

Some of the sets are being sold to jobbers at the present time on the basis of 50 to 55 cents per bushel of 32 pounds to the grower for Yellow Danvers and about 20 cents per bushel advance over this price for White. The market will scarcely be established, however, for at least 30 days, until the general qualities can be obtained as the harvest has been considerably delayed by rains. J. W. J.

Chinese Red Tuberoses.

PRODUCED BY ARTIFICIAL MEANS.

In regard to the allegation published in the United States some time since, that the Chinese florists of Tientsin grow tuberoses of a red color, and perhaps of other shades, Consul-General Samuel S. Knabenshue makes the following report:

Some time since, this consulate received a letter from a florist in the United States, inclosing a sum of money, with the request that he be furnished with its value in red tuberose bulbs. He stated that he had been informed by a gentleman who had traveled in China that he had seen red tuberoses grown by native florists in Tientsin.

Inquiry was made of a German florist here, a resident for many years, who stated that there is no natural red tuberose, but that the flowers are artificially colored. As the tuberose of the ordinary white variety is near flowering, the flower stalks are cut off close to the ground and are placed in water in which is dissolved a red earth, of whose composition he is ignorant. The coloring matter is drawn up into the flowers, tinting them red—the first that appear being very slightly tinged, but the color becoming more pronounced in those which open later. He also stated that the red color can be produced in this way by using aniline colors, not only red, but any other aniline color which may be desired. Native gardeners, however, insisted that natural red tuberoses were grown, but declined to sell bulbs of the alleged red variety with a guarantee that the bulbs would produce red flowers, the payment to be withheld until the bulbs were tested.

Finally a native gardener admitted that these are bulbs of the ordinary white tuberose, reared in ordinary flower-pots in this way: The opening in the bottom of the pot is closed with

a cork; the pot is filled with earth mixed to a mud with water in which the coloring matter has been dissolved; the bulbs are planted in this after a number of small incisions have been made in the lower half of the bulb above the roots; a thin covering of uncolored earth is placed over the earth in the pot to conceal the colored portion below; and the plant is supplied with water in which the coloring matter has been dissolved. The resulting flowers have the tint of the coloring matter used.

Imports.

During the week ending July 30, imports were received at New York as follows:

F. R. Pierson Co., 46 cases bulbs.
Schultz & Ruckgaber, 39 cases bulbs.
W. Hagemann & Co., 28 cases bulbs.
Amermann & Patterson, 18 cases bulbs.

Henry & Lee, one case bulbs.
J. Munroe & Co., 150 bags seed.
To others, 601 cases bulbs, 58 cases plants, 135 bags, 87 bls. seed, 10 bls. poppy seed.

During the week ending August 6, imports were received at New York as follows:

H. Nungesser & Co., 650 bls. clover seed.

J. M. Thorburn & Co., 15 bags seed.
H. F. Darrow, eight cases seed.

P. Henderson & Co., seven cases bulbs.

McHutchison & Co., two cases bulbs.
F. R. Pierson Co., two cases bulbs.

To others: 372 cases, three bbls. lily bulbs. 125 bags, 18 cases, 16 pkgs., seed. 200 lbs., 50 bags, clover seed. One case plants.

Bean Anthracnose.

The bean anthracnose is known to growers under a number of different names, depending largely upon the locality. Perhaps the most common one applied to this malady is "rust." As a matter of fact the disease is not rust at all, though the spots do have a reddish yellow color in their early stages. There is a true rust of beans which is rarely met with in ordinary bean fields. Pod-spot is a name which is frequently applied to the disease, as it appears in the pods. Blight is also commonly used, but incorrectly so, as we have a true bacterial blight of beans, which is not only very common, but frequently quite destructive. The general characters of these three most common diseases of beans are set forth in Bulletin 239 of the Michigan Experiment Station, and accompanied with figures which show clearly their respective characters. The disease is readily recognized by the appearance which it gives to the infected pods, and it is here that the trouble is usually first recognized. The disease may and usually does occur, however, on all parts of the plant except the roots. It is caused by a fungus known to botanists as *Colletotrichum Lindemuthianum*, which lives as a parasite in the tissues of the bean. This fungus is a plant, as much a plant as the bean on which it lives. It has a thread-like mycelium that grows into the tissue of the bean to obtain food for its growth and development and it produces spores that serve the purpose of seeds by which it spreads to healthy beans and so reproduces itself. In fighting the anthracnose fungus, we are fighting a parasitic weed, in its habitats not greatly unlike the dodder which often destroys alfalfa. In considering the methods of combatting this disease three or four possible means are presented. First, seed treatment; second, spraying; third, the planting of clean seed; fourth, selection and breeding of resistant or immune varieties.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA



GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trimardeau it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and marking; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red mahogany and numerous other light, medium or dark mixtures.

1910 Seed Now Ready.

2000 seeds 50c. 5000. \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield Mme. Perret, white darkeye, purple, black, masterpiece, red, brown bronze, dark-blue and light-blue shades. Trade packets 25c. any five for \$1.00. 12 packets one of each variety \$2.25

Rainbow is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Jerome B. Rice Seed Co.

CAMBRIDGE. N. Y.

CORRESPONDENCE INVITED.

Seed PANSY Seed

Brown's Improved Prize Pansy Seed.

Finest strain in the market.
In color and size they are incomparable.

Price of mixed seed.

3000 seeds, \$1.00; ¼-oz., \$1.50;
½-oz., \$2.50; 1-oz., \$5.00; ¼-lb.,
\$14.00; ½-lb., \$25.00; 1-lb., \$50.00;
in separate colors. Yellow with dark
eye, same price. Cash with order.

PETER BROWN, Pansy Seed
Grower,
LANCASTER, PA.

High-class Seeds, Bulbs, Plants, Shrubs and
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum Multiflorum, 7-9.....	Per 1000
" " Giganteum, 7-9.....	\$50 00
" " Formosum, 7-9.....	65 00
F. O. B. New York.	

— TO THE TRADE —

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most
beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

ASTER SEED

While at the Convention

Look over our display of CUT ASTERS. Our attendant will give any
information desired. Visit our Aster Farm and see our crop growing.

VICK & HILL CO.

P. O. Box 613,

ROCHESTER, N. Y.

Francis Brill

— Grower and Dealer —

Hempstead, L. I.
NEW YORK.

CHOICE SEEDS

For Gardeners, Truckers and Plant Growers

Long Island Cabbage Seed, Cauli-
flower, Egg, Pepper, Tomato, Etc.

Price Lists Free. Quality Finest.
Wholesale and Retail.

PHILADELPHIA'S LEADING SEED HOUSE

Will have a Large Exhibit at the Rochester Convention.

See Our Display of Bulbs, Seeds and
Florists' Supplies.

HENRY F. MICHELL CO.

PHILADELPHIA, PENNA.

VOLUME
1
NUMBER
6

Boddington's Store News

SATURDAY AUGUST 13, 1910.

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS.

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 4 cts., ½ lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; but very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac. marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. William Sim. Salmon-pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 2 cts., ¼ lb. 6 cts., ½ lb. \$01.000, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Order Now from Our Surplus Stock

**FREESIAS, 1-2 to 3-4 inch
LILIUM FORMOSUM, all sizes**

Samples upon request. Write for prices.

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., New York

ALLENTOWN, PA.—Ernest Ashley is building new greenhouses, the beginning of a new range which will be increased. Mr. Ashley came here about eight years ago and rented the greenhouses at Fourth and Tilghman street, which he expects to occupy for two more years. During the last few years business has increased so rapidly that it was found necessary to commence building operations. The two new greenhouses that are in course of erection are located a short distance east of the site on which the old East Allentown tollgate stood for many years. The greenhouses are modern in every respect and will be equipped with all conveniences. Each of the houses will be 21x125 feet and at the west end is built the office.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

LOWVILLE, N. Y.—Max Reipen has let the contract to the Lord & Burnham Co. of Irvington for the erection of a large steel and concrete greenhouse, combined in two sections. The contract price is about \$4,000. Mr. Reipen is a first-class grower and purposes to have one of the most modern greenhouses in this section. He will give special attention to roses and carnations.

RELIABLE SEEDS.

	Oz.	Tr.
Bellis, double Daisies, Longfellow, pink	\$3 00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed.....	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf.. Bush mxd..	4.00	50c

For other varieties ask for my catalogue.
O. V. ZANGEN, Seedsman, Hoboken, N. J.
Mention the American Florist when writing

NEWARK, N. J.—Joseph Zellers, who has for the last 12 years been growing berries and flowers here for the market, died July 26 after an illness of several months.

Vaughan's Giant Pansies

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.



VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/2 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

VAUGHAN'S "GIANT PANSY MIXTURE,"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; 1/2 oz., 60c; oz., \$4.00; 1/2 lb., \$14.00.

	Trade pkt.	1/2 oz.	oz.
Aurora, pure white without blotches.....	.10	.20	1.30
Auricula Colors, metallic shades.....	.10	.20	1.25
Black, large true black.....	.10	.20	1.20
Beaconsfield, upper petals light lavender, lower ones deep rich purple .....	.10	.20	1.20
Boulogne Giant. This is a special selection of a French Pansy grower .....	.50	2.00	
Bugnot. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures...	.25	.45	3.00
Cassier, 3 and 5 spotted, an A1 strain.....	.25	.45	3.00
Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal....	.25	2.00	
Emperor William, dark navy blue.....	.10	.20	1.25
"Fiery Faces," very rich scarlet, with a gold edge and yellow center .....	.15	.35	2.00
Masterpiece—New Giant Curled .....	.25	.60	4.00
Pink, lovely shades of pink, same as Hydrangea.....	.10	.25	2.00
Purple, very large, rich deep purple.....	.10	.20	1.00
White, very large, with violet eye.....	.10	.20	1.00
Yellow, immense flowers with dark eye.....	.10	.20	1.00

Cyclamen Seed

Best Types and Colors.

Pure White (Mont Blanc) Per 1,000 seeds, \$5.00;
 Dark Crimson Per 100 seeds,
 Rosa von Marienthal (Daybreak) 75c; 250 seeds
 Dark Rose of a color at the
 White with Carmine Eye 1,000 rate.
 Giant-Flowered Cyclamen, extra choice mixed. Per 100 seeds, 50c; 250 seeds, \$1.15; 1,000 seeds, \$4.50; 5,000 seeds, \$20.00. This mixture is made up of the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine with very large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink... Each, per 100 seeds, \$1.00;
 White with Carmine Eye and Lilac Colored..... 1,000 seeds, \$9.00
 Giant Orchid-Flowered Cyclamen, in choicest mixture, 25 seeds, 25c; 100 seeds, 85c; 1,000 seeds, \$8.00.

New Salmon (Glory of Wandsbek). This is, to our knowledge, the best strain in this color, which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1,000 seeds, \$10.50.

SMILAX SEED

Trade Pkt., 10c; Oz., 25c; 1/4 Lb., 90c.

MIGNONETTE New York Market.

New Seed Now Ready.

This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. The plants grow from two to three feet high and produce flower spikes up to twenty inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants, grown from three to five shoots to a plant, and was all saved from the spikes measuring from ten to eighteen inches long. Trade pkt. (about 1,000 seeds), 50c; per oz., \$7.00; 1/4 oz., \$1.00.

ASPARAGUS SPRENGERI.

100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, \$3.25.

VAUGHAN'S ENGLISH CYCLAMEN. Unrivalled.

Rosy Morn. Giganteum variety, delicate rose color. Claret base.
 Picturatum. Giganteum variety. Light rose tinted with claret base.
 Grandiflorum Album. The largest giant white grown.
 Excelsior. Giganteum variety. White with red base. Extra large flowers.
 Princess May. Pale pink.
 Princess of Wales. Giganteum variety. Pink.
 Mauve Queen. Giganteum variety. Mauve.
 Duke of Connaught. Giganteum variety. Purplish crimson.
 Duke of Fife. Giganteum variety. Dark rose.
 Salmon Queen. New.

PRICES: Trade, 100 seeds, \$1.00; 1,000 seeds, \$9.00 net.



Vaughan's Winter Flowering Sweet Peas

New Seed Ready in August.

White Seeded Sweet Peas. Put seed in water over night, then put in box or flat and in a temperature of 60 degrees. Seed will germinate in two days and then can be sown.

	Oz.	Lb.		Oz.	Lb.
Angelino, self pink.....	.20	\$1.50	Mrs. Alexander Wallace, lavender.....	.15	\$1.00
Christmas Pink, pink and white .....	.10	1.00	Mrs. W. W. Smalley, a pleasing satin pink .....	.20	1.50
Christmas White.....	.10	1.00	Mrs. Geo. Lewis, pure white....	.25	2.50
Earliest of All, pink and white .....	.10	.85	Mrs. William Sim, salmon pink .....	.20	1.50
Mont Blanc, white.....	.10	.60			

If sweet peas are wanted for Christmas, sow the seed in well-ventilated houses, not before August 15, nor after August 25. This sowing will bloom from November 1 until April. For the main crop in January or February, sow about September 15. If the best sweet pea flowers are wanted for Easter (April 16 in 1911), sow the first part of November.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses: Western Springs, Ill.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

Notes on Seed Growing.

There is a growing demand for better seeds. With improvements along all lines, the average grade of seeds sold does not fill the bill. Not that the seeds obtained do not grow, or are not what they are represented to be, the trouble lies deeper—they are not bred up to a standard of perfection. The remedy is a matter of price. Growers are rapidly realizing the great value of fine strains and are willing to pay for such. Their demand will be supplied in time. At present much seed is sold far below a fair remuneration for skilful growing. For instance, in our locality a great deal of tomato seed is produced. The average market price of tomatoes rarely drops below 50 cents per bushel, while the seed contractors pay only about two cents. The result is unavoidable—the good fruit goes to market and the poor to the seed mill, much to the detriment of the seed industry. We have experimented with seed corn in recent years. We could not find a satisfactory early sweet corn at any cost; some had quality, but would not germinate readily in our cold soil in early spring. Other kinds had hardness and lacked quality. Still others lacked size. Several good kinds failed in dry weather. So we set about producing our own seed and have the satisfaction of having the best early sweet corn against all competition. We selected the earliest corn of fine quality to produce the seed, and planted with this a little later corn of great resistance and good size. These were timed to come in together and the early kind was de-tasseled. So the later variety produced all the pollen, hence influenced the entire product. The seed of the early kind only was saved.

With the coldest spring and the most severe draught on record, we may well feel satisfied to have before us the finest corn one could wish for, a perfect stand, early, fine quality, great productiveness and large size. The selling of such corn is reduced to simplicity—it is merely a question how much can you deliver each day at almost your own price. So much for seed-breeding. Now we do not expect this corn to come true another year. We expect it to break up into its two ancestor-types, hence shall depend on the original cross for one crop. We have some late crosses like this—made to adapt to our purpose. Such seed is the foundation of successful garden-

MARKETMAN.

Spraying With Bordeaux Mixture.

After three seasons' observation in large bean fields where the most up-to-date machinery was used, machinery particularly adapted to the bean crop, conclusions seemed to be that spraying with Bordeaux mixture is both unprofitable and entirely ineffective in controlling the anthracnose.



EGYPTIAN TREE

—OR—

Winter Onion Sets

We are headquarters for quantities.

—Sow Winter Vetch Now—

Write for Prices.

Vaughan's Seed Store

New York Chicago.

Order Now

Lily of the Valley

Order Now

The best grade for early
The best grade for late

FORCING

Prices on application.

SACKMAN, P. O. Box 21, Secaucus, N. J.

Pithiness in Celery.

Some experiments recently reported by the Maryland Experiment Station would seem to indicate that one of the causes of pithiness in celery is insufficient attention to the selection of seed. The station reports that in 1900 40 per cent of the plants grown in an experimental plot at the station from American-grown seed was pithy, while not a single stalk grown from French-grown seed in another similar plot was pithy. The variety used in both cases was Golden Self-Blanching. The experiment was continued in 1901 and 1902 with seed obtained from several different American seed firms. The results obtained are shown in the following table:

Kind of Seed.	Pithy stalks.	
	1901.	1902.
	Per cent.	Per cent.
A's French-grown seed.....	1	0
A's American-grown seed.....	43	46
B's French-grown seed.....	38	26
B's American-grown seed.....	40	43
C's French-grown seed.....	0	38
C's American-grown seed.....	41	..
D's American-grown seed.....	..	10
E's selected stock.....	20	..

In the case of A's and C's seed the table clearly shows a great superiority as regards pithiness for the French-grown seed. B's French-grown seed appeared to be in no way different from his American-grown seed and was probably a mixed lot of seed, since in both seasons the stalks of the celery grown from this seed were neither uniform in color nor size. D's select stock of seed was American grown and had been carefully selected and cared for, thus indicating clearly that by care and selection the quality of American-grown celery seed can be greatly improved. The station's conclusions relative to this work are in part as follows:

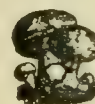
Taking the various points into consideration, the experiments plainly show the superiority of French-grown seed over the American-grown. That the difference is not due to the character of the soil or to climatic conditions is apparent from the fact that the celery stalks from the French seed were entirely different, though they were grown under the same conditions of soil and climate and were given the same kind of care. The difference must have come from the seed. We

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.....	\$0 20	\$1 00
10,000 and over.....	85c per 1000	
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market.....	20	1 00
10,000 and over.....	85c per 1000	

—Cash with order.—

R. VINCENT, Jr & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

New Crop Mushroom Spawn

Just arrived from England
\$8.00 per 100 lbs.

WEEBER & DON,

Seed Merchants and Growers. 114 Chambers St., New York.

can not accept as an established fact that the highest quality of celery seed can not be grown in America. But we can believe that the seed is not carefully selected and grown. Pithy stalks should never be used for seed, and seed plantations should be carefully watched and rogued whenever a strange plant appears. That much of the European-grown seed is superior to American-grown seed can not be disputed. The superiority is due altogether to their careful selection of seed stock and the subsequent attention paid to the plant to keep it up to the set standard. There can be no doubt that if the American celery-seed growers were as careful in their work as the French growers are their seed would in all probability be as good. Cheap seed is dear at any price. This is especially true when the profit of a whole season's work is dependent upon it.

Philadelphia Notes.

H. BAYERSDORFER & CO.

The florist supply business has of late years grown so much that to enumerate one-half of what such a house as H. Bayersdorfer & Co. have to offer would nearly fill one issue of this journal. Their place of business has a great capacity for storage, but nothing seems to remain stored very long; it goes out as fast as it comes in. However, their present stock will last long enough to give them an opportunity to make a grand display at the Rochester convention. Mr. Bayersdorfer has just returned from his annual European trip. Incidentally it may be stated that he never looked better and he must feel good, for he has again plunged into business with his shirt-sleeves rolled up. Of course, there are excuses for this. He is an energetic man; he brought back with him a great stock of novelties in supplies, and arrangements are being perfected for a great display at the convention. Another remarkable feature of this firm's business is that, though in all other lines there is complaint of "summer dullness," they are always rushed with filling orders. They are so busy, in fact, that even Paul Berkowitz, who is a real human dynamo, sometimes get tired. Well we started in to tell you about their stock. The best that we can do along that line at present, is to ask our readers to think of everything in the line of florists' supplies that they have ever seen, and then go to Rochester and look at the Bayersdorfer exhibit. Those who cannot go to Rochester should come to Philadelphia and look over the store before all the best things are sold, for they go fast.

August 8—There is practically no change in the condition of the cut flower market over that of last week. Tea roses are rather shy and American Beauty is again showing its superiority as a summer rose. There are many asters.

The Robert Craig Co. has sold to a syndicate a part of its holdings at Forty-ninth and Market streets. The plot sold has a frontage on Market street of 500 feet, with a depth of 214 feet. They have one year in which to vacate. They still retain property to the extent of 214x250 feet, which, for a time at least, will be used for growing purposes. Robert Craig, Sr., who has been sick, is much improved and expects to be at Rochester.

Paul Berkowitz, of H. Bayersdorfer & Co., has gone on his vacation. Sidney Bayersdorfer has just returned from a month's vacation. Accompanied by an able staff from the store he will go to Rochester to look after the firm's interests at the exhibition.

Samuel F. Lilly has removed his wholesale business from 1514 Sanson street to 5 South Mole street, near Market street. This brings him nearer to the heart of the wholesale district and his facilities are greatly improved.

Jos. G. Neidinger, the supply man of 1513 Germantown avenue, has taken space at Rochester and will exhibit some of the latest novelties, noteworthy being a fine line of fancy baskets.

Mark Mills, the genial foreman at the W. K. Harris range, has been somewhat indisposed, but it is hoped, by his many friends, that he will soon be restored to his usual good health.

Wm. S. Rich, who conducts the Novelty Flower Shop at 4820 Baltimore avenue, has been suffering severely from the effects of heat, but keeps around attending to business.

A noteworthy feature of the Habermehl store and greenhouses at Twenty-second and Diamond streets is the splendid collection of cibotiums of large size.

While candidates for president of the S. A. F. are being mentioned it is in order to state that there are a number of good men right here in this city.

Wm. J. Baker, the wholesaler, is resting at home during the hot weather. In the meantime the store is being well taken care of by his son and daughter.

A decided change in the weather set in August 8. Heavy rain fell throughout a great part of the day and there is a decided drop in the temperature.

John Burton is not worrying about dull times, but expects to have plenty of roses as soon as they are needed and will bring a price.

Edward Reid and David Anderson of Garrettsford, Delaware Co. took a party of friends to Atlantic City in their autos July 28 and made fast time.

Frank Johnson, of the A. L. Randall Co., Chicago, was in the city July 30 and calling on the Pennock-Meehan Co.

The stock in the large new house which Myers & Samtman erected this summer is coming on in fine condition.

While definite figures cannot be given this city is assured of a good delegation to the Rochester convention.

Charles Henry Fox is at Ocean City recuperating from the effects of a recent attack of typhoid fever.

Wm. K. Harris has been spending some time at Ocean City, but makes frequent trips home.

Alfred M. Campbell is handling a good line of Killarney and White Killarney roses.

W. E. McKissick is showing good lilies and a good assortment of general stock.

John Westcott is entertaining his friend, John N. May, of Summit, N. J. Wm. J. Colflesh is busy making improvements in his range.

Walter Yates has gone to Europe for about two months.

The bowling team has finished its practice and it is believed will give a good account of itself at Rochester. The following is a summary of the practice score:

	Games	Average.
Robertson	39	171
Graham	34	168
Bateheler	38	164
Dodds	36	162
Conner	37	159
Adelberger	35	156
Team average, 163.		

New York Notes.

While V. Aldana, bookkeeper for Carrillo & Baldwin, orchid growers of Mamaroneck, was passing through a lonely spot on his way to the bank with the firm's money he was attacked by a foot-pad. After a fierce struggle Mr. Aldana managed to draw his revolver and shoot the foot-pad dead, who was later identified as a notorious character in the locality. Mr. Aldana was exonerated by the coroner's jury and highly commended by the coroner himself. Mr. Baldwin who was in the court room described feelingly the affecting scene as the young man left the court room, everyone in the room shaking hands and commending him for his pluck. While Mr. Baldwin was saying good-bye to Mr. Aldana at the train his horse bolted and he was compelled to foot the seven miles from the station to his home, there to find his horse peacefully grazing at the gate, neither horse or buggy being injured or damaged.

A. J. Guttman says that he will have samples of his oils and paints at the Rochester convention, and states that the Best Oil Co. of which he is president and general manager with paint mills at Ellenville, New York, is now fully prepared to fill any sized contract, and claims that he will prove at the convention that this is the best and most economic paint known. The com-

pany is opening offices in the Hudson Terminal building.

The Long Island Florists' Club, of the borough of Queens, has been incorporated with the secretary of state, with the following as directors for the first year: John Donaldson and John Meisen, Elmhurst; Philip Kessler, Woodside; William H. Siebrecht, Philip Eismann, Henry B. Siebrecht and William H. Siebrecht, Long Island City.

Myers the Florist, Fifty-seventh street and Lexington avenue, reports a good sized funeral order last week. Among the pieces were a casket cover of purple asters, a 6-foot standing wreath of sweet peas and orchids and a large pillow of lily of the valley and orchids.

John Lewis Childs' gladioli are now in full bloom and open to inspection at Flowerfield, L. I., August 13. Take L. I. R. R. train from Long Island City or Flatbush avenue at 9:12 a. m. This train will stop at Flowerfield, which is 50 miles from this city.

Foreman Kraats of Bobbink & Atkins reports that he has over 20,000 Kaiserin roses and will start shipping about November 1; he expects to cut about 600 daily.

Mr. Schenck has returned from his stay in the Catskill mountains, having fully recovered his health and he certainly looks the part.

Long Island Florists' Club Bowling Score.

	Average.
Donaldson	180 182 153 185 175
Smith	147 198 224 120 172
Eismann	166 168 180 138 163
Siebrecht	174 140 167 144 155
Kessler	145 144 135 153 144

NORTH WALES, PA.—Jas. J. Curran, formerly of Chicago, Elmira, N. Y., and later of Salem, Va., has taken the position of superintendent of the Florex Gardens at this place.

BRAMPTON, ONT.—Wm. Fendley has this year his usual carnations and violets, together with several thousand chrysanthemums, which are a credit to his capacity as grower.

VERDUN, QUE.—S. S. Bain is active making preparations for filling his greenhouses with new stock for the fall; his carnations are not in yet, but will be shortly. He has a few chrysanthemums planted which promise well.

BIDDEFORD, ME.—The Strout Co., organized here for the purpose of conducting a general florist, market garden and nursery business, with a capital stock of \$40,000, of which \$300 is paid in, has filed its certificate of organization at the office of the secretary of state at Augusta. The officers of the company are Chas. S. Strout, president, and Harry W. Libby, treasurer.

BUTTE, MONT.—The flower festival held at the Columbia gardens last week was a success. Visitors to the number of 6,000 were present July 24. Manager Forsythe presented 5,000 bouquets to the visitors and the city, which used to be called the barren burg, looked like a California flower fiesta after the throng reached town. The event of the evening came when Miss Jeannette Forsythe, in an automobile driven by Harold Howell, circled the spacious floor, throwing countless flowers at the dense throng.

BALTIMORE.—Hewitt & Co., one of the best known and successful commission firms, have incorporated with a capital of \$15,000, all paid in. The incorporators are Frank Hewitt, J. Frank Robinson and Addison E. Robinson. Mr. Robinson will continue to act as manager.—The season is practically ended, and it is expected that shipments will cease next week. The season has been one of the most unprofitable in the history of the trade, both for growers and commission men who handled the shipments.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

VISITED CHICAGO.—A. J. Cultra, of Onarga Nurseries, Onarga, Ill.

THE Southwestern Nursery Co., of Troy, O., has increased its capital stock from \$10,000 to \$25,000.

ST. ALBANS, VT.—Henry Bryant's business at Congress street has been turned over to Geo. Cooke.

The Wittbold Nursery, Edgebrook, Ill.

On a recent visit to the Geo. Wittbold Co.'s nursery at Edgebrook, Ill., we were surprised to see how fine and varied a lot of nursery stock had been got together in the few years since this nursery was started, as well as the extent of the nursery grounds. From the smallest beginning some six or seven years ago Messrs. Wittbold have now 32 acres of their own property and some 50 acres of leased land, almost all of it under cultivation. Entering the nursery from the depot the road lays through a deep natural wood of considerable beauty and on emerging from this large plantings of cannas are seen, these just beginning to show their fine characteristics and making a blaze of color. A little further along is a choice collection of named phloxes at their best at the time of our visit. Peonies are largely grown and the plants are making a good growth, though the flowering was injured by the frost this spring as in most other places.

Coming to the tree and shrub portion of the nursery large blocks of *Hydrangea paniculata grandiflora* were making a grand display, the plants being grown in various bush and tree forms and all flowering freely. On the opposite side of the walk, *Rosa rugosa* was making a fine show and, besides this hardy and excellent species, there are large numbers of the principal varieties of ramblers and climbing roses. The golden elders make a pretty block of color, these proving quite hardy here. One of the cut leaved elders, *Sambucus nigra* (cut leaved variety), is also quite hardy, but *S. laciniata* freezes back to the ground line every winter. There are good stocks of all these and other varieties to be seen.

The well known bush honeysuckles are grown here in considerable variety and the stock is fine, large bushes that have been frequently transplanted and are therefore perfectly safe to move. Then there are fine stocks of Carolina poplars in large, young and thrifty trees; good, characteristic weeping mulberries and weeping willows, also the Kilmarnock variety and the distinct and beautiful Camperdown elm. Lines of box-elder are under planted with Japanese irises in variety and the semi-shade thrown by the acer seems to suit *I. Kämpferi* well. Catalpas, oaks and other forest trees are well done and there are thriving lines of apples, pears and other fruits, both standard

and espaliers. The conifer plantations are not extensive, yet there are numbers of fine healthy trees, Koster's blue spruce and arbor vitae being grown. While we cannot pretend to do justice to the place in a short note of this description, we may say there is a very complete line of herbaceous perennials, many of which were in flower. Callirhoe involucrata seems to like the hot weather as it was growing freely and the crimson flowers are very showy. Several platycodons and delphiniums were also fine. We must mention the labeling system here which Otto Wittbold has installed. It is by far the best thing we have yet seen. At the end of the nursery row or wherever the label is needed a piece of steam pipe is driven into the ground deeply enough to remain perfectly firm. A cap of the same sized pipe has a small hole drilled in the top and a square (four-sided) wooden label is nailed on. The label is written and placed in the steam pipe out of the way, protected from the weather and absolutely safe from being struck by cultivators or hoes. It can be picked up or replaced in a second and there is no stooping needed to read it. This strikes us as one of those simple, but effective things that are highly useful in such places.

Condition of Nursery Stock.

The Andorra Nurseries, Chestnut Hill, Philadelphia, Pa., write: "Our spring opened up with a great excess of heat, forcing all plant growth four weeks earlier than normal. Directly after this, exceedingly cool and unseasonable weather checked the growth of many varieties. June and the early part of July, however, were very favorable for the growth of trees and shrubs, and our stocks have made growth fully up to the average. The last couple of weeks have been exceedingly dry, and stock throughout this section is much in need of a good rain. The material, however, promises to ripen early and should be in good condition for fall shipment—evergreens after the middle of August, and deciduous material as early as October 1.

Bobbink & Atkins, Rutherford, N. J., say that the planting season was one of the most remarkable they have had in the history of their business. Constant rains fell and the ground was always in a splendid condition for planting, and everything was in a growing condition up to the moment of the dry spell we are now experiencing. Evergreens, deciduous trees, shrubs and other stock never looked better than at this time.

Storrs & Harrison Co., Painesville, O., writes: "We think we had about the same spring as other sections of the country. A warm March and a cold and backward April and May. Stock was behind June 1, but since then we have had fine growing weather with seasonable showers, and think stock at present is up to the average growth for this season of the year."

Carl Cropp, of Vaughan's Nurseries, Western Springs, Ill., reports that nursery stock in general has made fairly good growth this season notwithstanding the drought. Young stock planted out this season has suffered considerably.

American Ass'n. of Park Superintendents.

ANNUAL MEETING AND CONVENTION.

The annual meeting and convention of the American Association of Park Superintendents opened at Harrisburg, Pa., August 9, with a fine attendance, those present showing great interest in the proceedings. Wm. E. Bailey, park commissioner of Harrisburg, read an address of welcome to the city which was well responded to by James B. Shea of Boston. President Manning then delivered his address. In the course of his remarks he referred to the betterment of cities brought about by the establishment of parks and open breathing spaces for the people and also noted the wonderful growth of the park movement and the increased interest taken in it throughout the country. One city in particular he cited, Spokane, Wash., where \$1,000,000 has been spent on the park system. Mr. Manning gave it as his opinion that park superintendency and landscape architecture should go together. He complimented the authorities at Harrisburg on the great progress made in the development of the park system. His address was very well received and vigorously applauded.

In the course of Mr. Bailey's remarks he said he would be glad to get suggestions from those present on the park movement. He said also that a great deal more was going to be done in Harrisburg but, just at present, the great drawback was a lack of the necessary funds. J. Horace McFarland was unanimously elected an honorary member of the association and presented to the meeting. Several changes in the constitution and bylaws were adopted. In the afternoon the delegates were taken on an automobile trip to places of interest in the neighborhood. At the evening session W. H. Dunn read his paper on "Road Surfaces," which was of extreme interest and well discussed by members. J. Horace McFarland was also well received and his remarks on "The Reason for Parks" were listened to with keenest interest.

On Wednesday the delegates visited the state capitol and the Mount Pleasant Press. The following new members were added to the association: Wm. Saltorff, East Orange, N. J.; Oglesby Paul, Philadelphia; George D. Vinnedge, Fort Worth, Texas; Ralph P. Wainwright, New Britain, Conn.; A. J. Robinson, Puyallup, Wash.; Frank Farrence, Decatur, Ill.; Wm. H. Anson, Columbus, O.; Thos. H. Reid, Kansas City, Mo.; J. M. Paige, Pomona, Calif.; Thomas E. Davis, Ottawa, Canada; W. W. Howell, Poughkeepsie, N. Y.; James Underwood, Columbus, O.; Edward A. Swigget, Utica, N. Y.; Alexander Stuart, Ottawa, Canada; Geo. Walker, Waterbury, Conn.; Charles R. Jones, Baltimore, Md.; Cornelius A. Vrohl.

The following are the officers elect: Wm. J. Zartman, Brooklyn, N. Y., president; W. H. Dunn, Kansas City, Mo.; Chas. E. Keith, Bridgeport, Conn.; James B. Shea, Boston, Mass.; Dr. Frank Baker, Washington, D. C.; W. R. Adams, Omaha, Neb., and J. W. Thompson, Seattle, Wash., vice-presidents; F. L. Mulford, Harrisburg, Pa., secretary-treasurer. Secretary Mulford's report shows the association to be in a most flourishing condition.

Chase Bros. Company, Rochester, N. Y.

A Large and Complete Stock of Herbaceous Perennials
Field Grown One and Two Year Large Clumps

Also a General Line of Nursery Stock==Shrubs, Ornamental Trees, Roses.
NEW ENGLAND NURSERIES.

Peonies Wanted.

Peonies in large quantities, 3-5 eyes.

Festiva Maxima, Delicatissima.
 Couronne d'Or, Modele de Perfection,
 Duchesse de Nemours, Alexander Dumas,
 Mme. de Verneville, Felix Crousse,
 Sulphurea, Richardson's Gr. Rubra,
 Canari, Lee's Gr. Rubra,
 Officialis Alba and Rubra.
 Only guaranteed true varieties wanted.
 75 per cent cash; rest after first flower.

F. F. SCHEEL, Nursery, Shermerville, Ill.

Kansas City, Mo., has been chosen as the next place of meeting.

Those present were: Chas. G. Carpenter, Milwaukee, Wis.; C. A. Bossen, Minneapolis, Minn.; M. A. Stuart, wife and daughter, Ottawa, Canada; Chas. Haible and son, Newburgh, N. Y.; Wm. S. Manning and wife, Baltimore, Md.; Jas. B. Shea, Boston, Mass.; M. J. Zartman, Brooklyn, N. Y.; E. C. Rossa, Newburgh, N. Y.; J. H. Griffith, Chicago; Frank Baker, Washington, D. C.; P. M. Wood, Williamsport, Pa.; Wm. R. Adams, Omaha, Neb.; John Henderson, Montreal, Canada; W. M. Shepardson, Middlebury, Conn.; Geo. A. Burke, Pittsburg, Pa.; Frederick C. Green, Providence, R. I.; Wm. W. Howell, Poughkeepsie, N. Y.; W. Stophes, Poughkeepsie, N. Y.; Gustav X. Amberger, New Haven, Conn.; E. H. Hechler, Roslyn, N. Y.; R. B. Wainwright, New Britain, Conn.; J. Horace McFarland, Harrisburg; Eugene Goebel, Grand Rapids, Mich.; Gustav Ashurt, West Bend, Wis.; John Algotti, Chicago; E. F. A. Reinisch, Topeka, Kans.; Roland T. Satterthwaite and wife and Chas. Satterthwaite, West Grove, Pa.; Alfred Satterthwaite, Middletown, Pa.; P. T. Barnes, Harrisburg, Pa.; A. E. Hamilton, Harrisburg, Pa.; Chas. M. Laring, Minneapolis, Minn.; W. H. Dunn, Kansas City, Mo.; Frank Brubeck, Terre Haute, Ind.; W. G. Wallenbeck, Ithaca, N. Y.; Chas. E. Keith, Bridgeport, Conn.; A. F. Faulkner, AMERICAN FLORIST, Philadelphia, Pa.; J. W. Thompson, wife and daughter, Seattle, Wash.; Arthur Hay, Springfield, Ill.

NEW YORK.—Prof. Erich von Tschermak of the Agricultural high school at Vienna, who in 1900 rediscovered Mendel's law of heredity simultaneously with Prof. De Vries of Holland and Prof. Correns of Germany, arrived July 18 at the Hotel Manhattan from Ames, Ia., where he has been lecturing before the biennial graduate agricultural school at that place and holding conferences on plant breeding.

PEONIES

Place your orders now for
 September and October planting.

We have an exceptionally large stock, all of our own growing, all trued up. Our list comprises all of the very best sorts, such as:

Duchess de Nemours (Calot)	Madame de Verneville,
Jeanne d'Arc,	Delachi,
Marie Lemoine,	Festiva, true,
Delicatissima,	Festiva Maxima,
General Cavnagac,	Lee's Grandiflora Rubra,
Edulis Superba,	Floral Treasure,
Officialis Rubra Superba,	Richardson's Rubra Superba
Dorchester,	

Also many other sorts.

SEND FOR COMPLETE LIST WITH PRICES.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO
 25 Barclay St., NEW YORK
 Greenhouses and Nurseries, Western Springs, Ill.

Peonies

Guaranteed true to name. In four sizes, strong divisions, three to five eyes, and one, two and three year plants.

We also offer a superb line of IRIS, PHLOX and other PERENNIALS. Catalog free.

S. G. HARRIS,

Tarrytown, N. Y.

American Ass'n. of Railroad Gardeners.

The fourth annual meeting of the American Association of Railroad Gardeners will be called at Crawford hotel, Boston, September 5, at 10 a. m. An interesting three days' programme has been arranged, and while our membership is limited to those connected with the gardening department of American railroads, our meetings are open, and our programme is so broadside as to be of interest to all the gardening fraternity. One feature of our work is to place competent men in vacancies and on new work, and it will be of advantage to any who desire to take up this class of gardening to get in touch with us.

Our association is young, having been organized only four or five years, but our membership now represents nearly all American railroads that have an organized gardening department. It is

PEONIES

Best Cut Flower varieties grown.

First Prize White	.....\$15.00 per 100
" " Pink	.....9.00 per 100
" " Red	.....10.00 per 100

Wagner Park Conservatories, Sidney, Ohio.

Eugene Pitou, Jr. CIVIL ENGINEER and
 Landscape Architect

Phone Barclay 6084—229 Broadway, New York
 Designs, Estimates, Construction of Grounds.

our desire this year to enlist the rest, and offer as an inducement a pleased constituency and all the advantages one might expect from such an organization. Programmes, by-laws, rates and other information will be furnished by the secretary-treasurer, J. S. Butterfield, No. Pacific System, Lees Summit, Mo. GEO. B. MOULDER, Pres.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veltchil**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraeas, Valleys.

Price List Free on Demand.

Restocking National Forests.

Washington, D. C.—The Department of Agriculture is using this year on the national forests over 10 tons of tree seed. Most of this seed has already been planted or sown. The rest will be utilized later in the season, as favorable conditions are presented. It takes a great many tree seeds to make 10 tons. Jack pine, the most important tree for planting in the Nebraska sand hills by the forest service, will average something like 125,000 to the pound. Of western yellow pine, the tree most extensively planted throughout the national forests as a whole, 10,000 seeds will make a pound. Altogether the 10 tons of seed to be used this year represent perhaps 300,000,000 single seeds.

If every seed could be depended on to produce a young tree suitable for planting, the result would be a supply of nursery stock sufficient to plant 300,000 acres of land, but no such result can be looked for because many seeds do not germinate. Most of the seed will be sown, either broadcast or in seed spots, or planted with a corn-planter, directly in the place where the trees are to stand. Even when nursery stock is raised a liberal allowance must be made for loss. In the first place a considerable percentage of the seeds will be found to be infertile. Of those which germinate, many will die before they leave the nursery beds, and many more will be lost in transplanting. If from a pound of western yellow pine seed that contains 10,000 individual seeds, 4,000 three-year-old transplants are available for field planting, the Department of Agriculture has obtained satisfactory results.

There are now 24 national forest nurseries with an annual productive capacity of over 8,000,000 seedlings. But there are many millions of old burns on the national forests which are waiting to be restocked, and some quicker and cheaper method than the actual planting of nursery-grown trees is urgently needed. Therefore the foresters are making experiments on a large scale with different methods of direct sowing and planting, and most of the seed gathered last year was obtained for this use.

Broadcasting has already been found to give good results in some regions. It was first tried in the Black hills of South Dakota, with an encouraging outcome. To broadcast an acre of land with yellow pine seed about eight pounds of seed is used. One of the most formidable drawbacks to this method is the extent to which the seed may be consumed by birds and rodents. If the season happens to be one in which food for these animals is scarce, the loss is very heavy. The problem of control of animal pests, such as field mice, ground squirrels and gophers, which eat the tree seeds, and also the further problem of preventing the depredations of rabbits, which are altogether too fond of the little trees themselves, whether nursery transplants or field-grown seedlings, is re-

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

ceiving the attention of the biological survey experts of the department.

In some localities the department has had to purchase seed, but most of that used is gathered by forest service men themselves. The cost of gathering has varied for the different regions from 35 cents to \$1 a pound. As a rule the seed is collected in the fall months, when most conifers ripen their seed. Parties of three or four men ordinarily work together. Where lumbering is in progress the collectors follow the sawyers and take the cones directly from the felled trees. In standing timber, the task is much more arduous. The men must often climb tall pine trees and pull the cones from the branches as best they can. Where these are on the extremities and beyond the reach of the hand, pruning shears are used. The cones are dropped to the ground and then gathered into buckets and transferred to sacks, in which they are carried to a central point for further treatment.

The extraction of the seeds is tedious rather than difficult. In some cases the cones are spread out upon sheets in the sun, when, after a time, they open and the seeds drop out; in other cases it is necessary to resort to artificial heat. This is applied by placing the cones upon trays with screen bottoms and raising the temperature of the room to the proper degree. The cones open, the winged seeds fall out, and the seed is separated finally from wings and dirt by a fanning mill. A good many seeds have been removed from the cone by hand, but this is a sore trial to the fingers of the pickers and an exceedingly slow process.

The National Nut Growers' Association.

THE 1910 CONVENTION

The ninth annual convention of the National Nut Growers' Association will be held in Monticello, Fla., November 1-5, 1910. As a nut growing center there are few places more interesting than Monticello. There are more and larger nut nurseries at that place than at any other in the world. In and around the city there are at least 2,000 acres of orchards, most of them being budded and grafted trees. Some of the oldest seedling pecan trees east of the Mississippi river are growing about the homes of the city. To those, therefore, who are interested in nut growing in any of its phases, there can be no more attractive place than Monticello, and certainly no better time to visit it than the above, when the nut crop of the year will be ripening; and

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD,

Sarcoxie, Mo.

nut growers from almost every nut growing state will be present.

The eighth annual convention, held last year, was the best up to that time, and during the last year the association has greatly increased its membership, and its financial condition is now the best in its history. Time, place, and circumstances, therefore, indicate that the approaching convention will be a pre-eminent success.

While more particular attention will be paid to pecans, yet the range of discussions will include all nuts that are commercially profitable. Expert nut growers from all parts of the country will be present, and a programme is being prepared that will cover practically all phases of the subject. Particular interest will attach to the report of the committee on varietal adaptation. This committee was appointed at the last annual convention and is diligently at work making investigations as to the best varieties of nuts suited to each section. To meet and talk with the oldest and most progressive nut growers of the country will be well worth the trip to Monticello. Opportunity will be afforded all visitors to see the nurseries and orchards in and around the city. The local committee of arrangements is also planning to make the social features of the convention memorable.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

GLENWOOD NURSERY

44th Year.

Complete stock of Nut, Fruit and Ornamental Trees, Shrubs, Roses, Evergreens, Conifers etc.
American and Foreign Sales Agents for the Celebrated Sober Paragon Chestnut Trees.

Catalogue free upon request.

GLEN BROTHERS, Rochester, N. Y.
Glenwood Nursery, Established 1866.

NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates.

Berrydale Experiment Gardens, Holland, Mich.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

The Apple Crop.

After a lengthened trip west, John Hall, secretary of the Western New York Horticultural Society, says that conditions vary so much that "almost any opinion would be open to unfavorable criticism." In New York he considers the crops will average up quite as good as last year but the estimates as far west as Denver, Colo., are quite varied. When asked if the Empire state growers had anything to fear in western competition, Mr. Hall said:

"New York has nothing to worry over from the west if its fruit growers will open up their trees to God's sunlight and give the fruit a chance to color, and do some thinning of fruit in order that the harvested product shall be of good size. We do not have to take any back seat as regards flavor, and, after all, the consumer would rather have a richly-flavored apple of medium size and color than a great, rosy-cheeked apple of poorer quality.

"I might point out that the commissioner of agriculture in this state proposes to look after the packing end of the apple traffic this year, and those who have a 'weakness' toward uneven packing will do well to remember that the law of this state imposes a fine of \$50 on the man who packs with 'intent to deceive.'"



BOBBINK & ATKINS

World's Choicest Nursery and Greenhouse Products

We are making an exhibit at the Florists' Convention and invite all Florists and Nurserymen attending the Convention to inspect the sample products which we exhibit. We will have our Mr. Victor Morgan and Mr. William DeBree in attendance, who will reply to all questions and give visitors their attention.

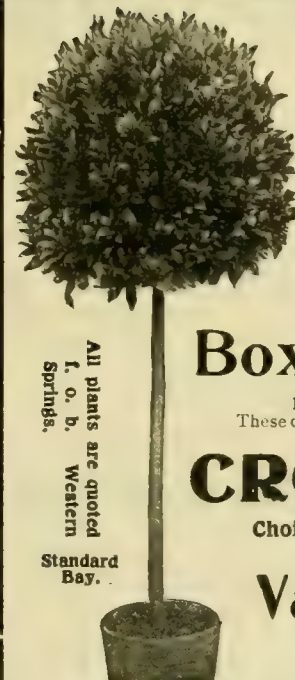
Evergreens, Conifers and Pines,
Rhododendrons, hardy and forcing varieties,
Azaleas, Easter and hardy kinds,
Boxwood in all shapes,
Flowering Shrubs, Bush and Standards,
Shade, Standard and Weeping Trees,
Hedge Plants in large variety,
Trailing Plants, Vines and Climbers,
Bulbs—Dutch, French and Japanese kinds,
Palms and other Decorative Plants,
Bay Trees in all shapes and sizes,
Pot-grown Forcing Plants.
Fruit Trees and all kinds of Small Fruits,
Field-grown Roses, Hardy Herbaceous Plants,
Herbs and Roots.

TUBS—We manufacture in all shapes and sizes.

Rutherford Park Lawn Grass Seed.

ASK FOR WHOLESALE CATALOGUE.

Nurserymen and Florists, Rutherford, N. J.



BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped

These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.....	\$0.30	\$3.00	\$20.00
12 to 15 in.....	.35	3.50	25.00
15 to 18 in. light ...	.45	4.50	30.00
15 to 18 in heavy....	.45	4.50	35.00
20 to 24 in.....	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch.....	\$0.20	\$2.00
4-inch.....	.35	3.50
5-inch.....	.60	6.00
6-inch.....	1.00	10.00
7-inch.....	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

If you need ROSES, grafted (low)

ROSA CANINA, FRUIT WILDINGS, FOREST AND HEDGE PLANTS

Write to Rudolf Schmidt, Rellingen

in Holstein, (Germany), for special rates. I furnish only first-class goods at lowest possible cost. In stock: 5,000,000 Canina; 3,000,000 Fruit Wildings, etc.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

Boston Notes.

The hard work which has been put in by Vice-President Pierce of the S. A. F. is certainly bearing fruit, for every day new names are added to the list of those who are to attend the convention at Rochester, and it now looks as if this city would be well represented. All the members have received the following circular letter from the Boston and Albany railroad:

"Meeting of the Society of American Florists and Ornamental Horticulturists, Rochester, N. Y., August 16-19, inclusive.

"First class fares to Rochester are as follows: Boston to Rochester, \$8.38; Worcester to Rochester, \$7.73; Palmer to Rochester, \$6.93; Springfield to Rochester, \$6.63; Pittsfield to Rochester, \$5.58. Reduced fares have been authorized on the certificate plan. Going tickets to be purchased August 12 to 17, inclusive. Ask ticket agent for certificate account of the meeting. Certificate when properly endorsed and vised at meeting will entitle original passenger to return ticket at three-fifths the fare until August 23." Anyone desiring to join the party should address E. Allen Pierce, Waltham, Mass., who will gladly furnish all details of the trip.

The absence of Thomas J. Bunnell, A. H. Hun & Co.'s genial salesman, from his weekly visit to the market has caused many inquiries as to his health, for he was suffering more or less with rheumatism during the spring. But a trip to North Cambridge found him enjoying excellent health, and busy as the proverbial bee overseeing the storing of the 5,000 tons of clay which will be moulded into pots the coming winter at this pottery. The clay has to be thoroughly dried and stored in that condition to prevent any possibility of frost getting into it before being handled at the pottery, and the unusual long spell of dry, hot weather has been very propitious, and kept him very close "on the job."

William Malloy of J. D. Budlong Sons & Co. and Edward Welch of Welch Bros., sailed Saturday on the Romanic for Genoa. They intend to be gone about six weeks, traveling on the continent, and returning from England. The Romanic carried about 100 of the Boston Knights of Columbus, and our friends can be assured of a most enjoyable trip. At Edward Welch's summer home at Old Orchard Beach, Me., the neighbors and friends gave him a rousing send-off before he left.

N. F. McCarthy left this week for the Maine woods, where he expects to get a much needed rest. He will probably be gone till the last of the month, returning by the way of the beaches.

N. M. Silverman and family are at Winthrop Beach for August.

E. J. Rogeau is back at the market from a month's stay in New Brunswick; he is looking quite well and fully recovered from the serious sickness which was reported early in July.

Miscellaneous Plants

	Doz.	100	Each	Doz.
2½-in. Boston, (Aug.).....	\$2 00	\$ 4 50		
4-in.	3 00	15 00	4-in. Araucaria Excelsa,	
5-in.	3 00	25 00	2-3 tiers.....	50 \$ 6 00
2½-in. Whitman,	2 00	5 00	6-in. Araucaria Glauca,	
4-in.	3 00	15 00	3-4 tiers.....	1 75
5-in.	3 00	25 00	6-in. Araucaria Compacta,	
2-in. Asparagus Plu. Nanus, ..	1 00	3 00	3-4 tiers.....	1 75
3-in.	1 50	7 00		Each
4-in.	1 50	7 00	Kentia Forsteriana, single	
2-in. Asparagus Sprenger, ..	2 50	2 50	plants, 7-in, 6 to 7 leaves, 34	
3-in.	1 00	6 00	to 36 in.....	\$ 3 50
4-in.	1 25	10 00	Same made-up, 3 plants to pot	
2-in. Asstd. Ferns, dishes (Aug)	3 00	3 00	32 to 34 in.....	3 00
2-in. Cyclamen,	3 50	3 50	Same made-up, 3 plants to pot	
3-in.	1 00	7 00	36 to 40-in.....	4 00
4-in.	2 00	15 00	Kentia Belmoreana	
2-in. Chinese Primrose,	3 00	3 00	7-in. pot, 6-7 leaves, 34-36 in....	4 00
3-in. Obconica Primrose,	7 00	7 00	7-in. pot, 6-7 leaves, 28-30 in....	3 00
2-in. Celestial Peppers,	3 00	3 00	6-in. pot, 5-6 leaves, 26-28 in....	1 75
2-in. Jerusalem Cherries,	3 00	3 00	4-in. pot.....per 100	\$35.00
2-in. Poinsettias, (1000 \$45.00)	5 00	5 00	2½-in. pot.....per 100	10.00
2-in. Smilax,	3 00	3 00		
2½-in. Cocos Weddellana	2 00	15 00		
3-in. Pandanus Veitchii,	3 50	3 50		

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

CHRYSANTHEMUMS

Bush Plants for Show Purposes

We have some fine plants of standard varieties, including single flowering sorts for immediate delivery.

6-inch.....80c each; \$6.00 per dozen 10-inch.....\$1 50 each
8-inch.....85c each; 9.00 per dozen

Write for Varieties.

VAUGHAN'S SEED STORE

All Plants F. O. B.
Western Springs, Ill.

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK

Greenhouses, Nurseries and Trial Grounds: Western Springs, Ill.

GRAFTED ROSE PLANTS

Young Stock. Very Choice, Strong Plants

400 Richmond, 3-inch, at.....	\$12.00 per 100
2000 Pink Killarney, 3½ and 4-inch, at.....	15.00 per 100
500 Pink Killarney, 3-inch, at.....	12.00 per 100
1000 White Killarney, 3½-inch, at.....	15.00 per 100

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN

Office and Store: 76 Wabash Ave., CHICAGO.

Greenhouses: HINSDALE, ILL.

Sprenger, Iris,

Sprenger, at \$15.00 per 1000; good stock.

German Iris, in mixed colors at \$2.00 per 100.

ALBERT M. HERR,

Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

Lancaster, Pa.

Frank Good of Good & Halliday, Buffalo, N. Y., a former Bostonian, is visiting old friends and relatives, and renewing old acquaintances, and incidentally pushing his novelties.

J. M. Cohen at the Co-operative Market has returned from a trip to Lake Champlain and northern Vermont. He reports having had a glorious time.

William Penn is back in the store from the Maine sea shore, giving his brother, Henry, a chance to recuperate along the Maine coast.

The ruddy glow of the cheeks and the sprightly step mark the return of the early vacationists.

W. H. Elliott returned this week from a short stay in the woods of Aros-took Co. in Maine. E. A. W.

Geranium Growers attending the Convention should inspect "Miller's Pride" (seedling). It will be there.

T. M. MILLER, Florist,
JANESVILLE, N. Y.

GARDNER, MASS.—Carl J. Erickson is having plans prepared for the reconstruction of the greenhouses which were destroyed by fire June 26, and has already laid the foundation walls for three new greenhouses. The new houses are to be 10x92, 32x50 and 16x50 feet.

FERNS

One of our specialties is growing up to 8-in. and 10-in. for vases, baskets, etc. Our varieties include

	2½-in.	3-in.	4-in.	5-in.
Bostons.....	\$5 00	\$10 00	\$15 00	\$25 00
Whitmani.....	7 50	15 00	25 00	50 00
Amerpohli.....	7 50	15 00	25 00	50 00
Scottii.....	7 50	15 00	25 00	50 00
Plumosus.....	3 50	8 00	15 00	25 00
Sprengeri.....	2 50	5 00	12 50	25 00
Maiden Hair.....	5 00	15 00	25 00	
Small Ferns.....	5 00			

	6-in.	7-in.	8-in.
Bostons.....	\$40 00	\$ 60 00	\$110 00
Whitmani.....	75 00	100 00	150 00
Amerpohli.....	75 00	100 00	150 00
Scottii.....	75 00	100 00	150 00
Plumosus.....	50 00	100 00	
Maiden Hair.....	Specimens 10-in. and up, \$2.50		

Primroses, Chinese Obconica and Forbesii, 2½-in. at \$5.00; 3-in. \$8.00 per 100.
Cyclamen, 2½ in. at \$5.00; 3-in. \$8.00 per 100.
Celestial Peppers, 2½-in. \$2.50; 3-in. \$7.50 per 100.
Jerusalem cherries, 2½ in. \$4.00; 3-in. \$8.00 per 100.

Poinsettias, 2½ in. at \$6.00 per 100.
Cinerarias, 2½ in. at \$5.00 per 100.
Hydrangeas, 2½-in. \$5.00; 3-in. \$8.00; 4-in. \$12.50

6-in. 50c. and 9 in. \$1.00.

Flowering Begonias, 3-in. at \$5.00 per 100.

Rex Begonias, 2½-in. at \$5.00; 3-in. \$10.00; 4-in. \$25.00 per 100.

Fancy Caladiums, 4-in. at 25c each.

Araucarias, fine plants at \$1.00 each. A special bargain.

Extra good values in all kinds of Ferns: Bostons, Whitmani, Amerpohli, Plumosus, Sprengeri and Maiden Hair.

Ask for our other lists in season.

**GEO. A. KUHLE, Wholesale Grower,
PEKIN, ILL.**

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISHKILL, New York.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Whitmani Ferns

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.

Fort Myers, Fla.

In south Florida everything is booming at present. There are many people making their winter homes here building houses and decorating their gardens with palms, which grow luxuriantly. Nearly all the varieties of cocos, phoenix, Caryota urens, Seaforthia elegans, Oreodoxia regalis and Lantania Borbonica are used, but they are scarce in large sizes. People will not wait till they grow, but pay big prices for them. Dracaena Massangeana and its variety, Lindenii, Pandanus Veitchii, P. utilis, crotons and acalyphas do well here and give plenty of color. The finest vines are Bignonia venusta and Bougainvillea glabra and both are very beautiful here.

The Everglade Nursery Co. is a young concern but reliable. They have thousands of eucalyptus seedlings which grow very rapidly.

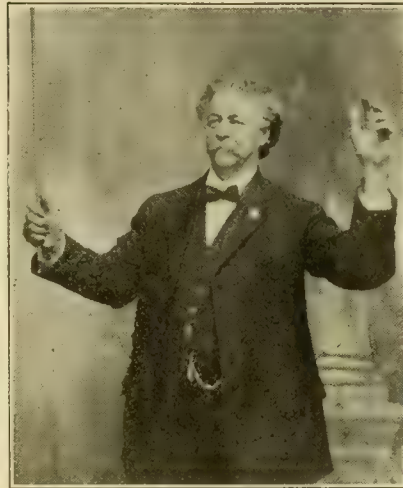
S.

LEADER
in our
Specialties:

The Araucarias

LEADER
in
Neph. Ferns

15,000 now ready,
in all sizes and
varieties.



GODFREY ASCHMANN'S SONG. Tune: "John Brown's Body."

In the early morning sunlight upon the sea I go
To search the lands of Europe for the finest plants that grow.
I only buy the very best; those only you must know
Are good enough for me.

In the towns of little Belgium there are Araucarias fair.
And Azaleas with their promise of enchanting beauty rare.
I mean to beat the world with my shipment over there.
Just good enough for me.

I leave at home in my house the loveliest Ferns on earth.
And mean to match them with tall Palms of quite transcendent worth.
My Cyclamen and Primroses I've tended from their birth.
All good enough for me.

When I come home I want you all to come and see my show:
The sight of my Lorraines will set your heart and eyes aglow:
The health and beauty, bloom and leaf, then only will you know
What's good enough for me.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants 5-5½-6-7 in. pots. 12-15 18-20-25-30 in. high. 3-4 5-6 tiers. 2-3-4-5 years old, 35c. 50c. 60c. 75c. \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6 in. pots. \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots. 30 35 40-45 in. high. 4-5-6 years old, 75c. \$1.00, \$1.25, \$1.50. \$2.00 to \$2.50 each; 4-in., 35c each, 25 in. high.

Kentia Belmoreana, 25 30-35-40 in. high. 5-5½-6-7 in. pots. 5-6-7 years old, 50c. 75c. \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Standard Bay Trees, 1-foot tubs. 7 ft. high from bottom up, 2 x 2 crown, \$8.00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c.
Nephrolepis (Ferns), Boston, Scottii, Whitmani, Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.
Begonia Lonsdale, pale pink, 4-in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots. 18c to 20c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine 15c
All plants in 4-in. pots.

Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

MINNEAPOLIS, MINN.—Fire starting from sparks from a furnace caught in the rubbish in the basement of Julius Rieck's greenhouse, Forty-seventh avenue N and Bryant avenue, July 18, causing damage estimated at \$300. About 500 square feet of glass was broken and many of the plants were damaged by smoke.

A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRAS,
463 Summit Ave., West Hoboken, N. J.

BROOKLYN, N. Y.—The Brooklyn Wholesale Cut Flower Market has filed a certificate of incorporation with the secretary of state. The capital stock is placed at \$5,000, consisting of shares of \$50 each, and the directors for the first year are Samuel Lewis, Lena Lewis and Abraham Hanig of this city.

Cyclamen

2-in. 4c; 3-in. 7c; 4-in. 15c. These cyclamen were grown from our own choice selected seed plants and there are no better to be had. These must be shifted or sold this coming week.

Cash or reference. Satisfaction guaranteed.

ADVANCE FLORAL CO.,

Dayton, Ohio.

Extra Fine Rose Stock

	Per 100	Per 1000
1000 3½-in. Cardinal.....	\$10 00	\$90 00
600 3½-in. Perle.....	7 50	70 00
2500 2½-in. Richmond.....	5 00	45 00
1000 2½-in. Kaiserin.....	3 00	25 00
Smilax, 3-in.	\$40 00	per 1000
Sprengerl, 2 in., ready for shift.....	25 00	per 1000

Poehlmann Bros. Co., Morton Grove, Ill.

Marechal Niel Roses...

Extra Choice, 2½-inch,
\$3.50 per 100; \$30.00 per 1000.

What do you need in rose plants, now or spring?

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Milwaukee Notes.

Summer business has been above the average at the E. Welke Co.'s store, 752 Third street. H. R. Marquardt, who is in charge made a trip to Chicago last week, buying stock for the firm. Several new greenhouses are being added and the work is being looked after by Mr. Welke. The material was purchased from A. Dietsch Co., 2642 Sheffield avenue, Chicago.

Eisner Bros. have bought the greenhouses, formerly owned by Henry Mackerey, 1153 Buffum street. Henry has charge of the store on Fond du Lac avenue and Chris. has charge of the greenhouses. The men are busy planting and at present are putting in carnations.

R. Lietz who bought the Johannes Bros. store, 1433 Fond du Lac avenue, reports business good. Mr. Lietz enjoys a good steady trade and also does a large funeral business. He hails from Detroit and was formerly in the employ of the L. Bemb Floral Co. of that city.

Robt. Zepnik, 147 Lincoln avenue, is remodeling his store and rebuilding five greenhouses. Fire damaged the store some time ago, temporary repairs were made but now the building is being put in first-class shape. A new ice box is also being installed.

Miss E. Vollnar of the Loveland Floral Co., 97 Wisconsin street, spent a few days of last week in Chicago on business. Miss Siegel had charge of the store during her absence.

F. Hesse and wife, 392 Grove street, returned from Conover July 30, where they had been spending their vacation. They leave in a few weeks on an auto trip from here to Phestigo.

Stewart Floral Co., 661 Third street, report that outside of the funeral and wedding work business is very quiet.

Nohos & Co., 211 Grand avenue, are enjoying a good transient trade. Business has been good this season.

Montreal.

Trade last week was somewhat quiet with some retailers, while others report a very good trade in funeral work and moderate priced bouquets. There is also a brisk demand for Boston ferns at about \$1. Flowers are plentiful; peas are a little spoiled by the heavy rains, but will be all right again in a couple of days. Asters are not as good as in former years and as yet scarce.

On Sunday, August 7, 15 members of the Gardeners' and Florists' Club spent an enjoyable day in the moun-

Orders booked now for the New Seedling Pink Carnation

"THE CONSTANT"

Grown by WM. BESTER, Hagerstown, Md. Cuttings ready in Feb., 1910.
Descriptive circulars and sample blooms mailed on request.

PRICE: \$8.00 per 100; \$75.00 per 1000.

Miniature Immortelle Emblems, Gold, Silver and Purple Felt, Block and Script Letters, Chenille and Worsted Purple and Lavender Script Lettering, Clock Dials, Japanese Air Plants, Partridge Berries, Novelties in Pearl, China and Birch Bark, Etc.

Write for Catalogue. Address

C. S. FORD, Florists' Supplies, Novelties, Etc. West Park, Phila., Pa.
Established 1881. Box 4515,

Tioga Branch conducted by A. M. FORD, Tioga, Phila., Pa.

Also representing A. HERRMANN,

Florists' Supplies and Metal Designs, 404-412 E. 34th St., New York, and others.

Do Not Miss Seeing

OUR EXHIBIT OF

Gladiolus Blooms

During the Convention of S. A. F and O. H.

JOHN LEWIS CHILDS, Floral Park, N. Y.

tains at St. Agathe. The twentieth annual picnic, held at King Edward park, was a very successful and enjoyable one, a good list of sporting events being brought off in fine style.

A number of gardeners and florists left with Secretary Hall for the convention of the Canadian Horticultural Association at St. Catherines, Ont.

LUCK.

STILLWATER MINN. Frank Rice has taken one of Frank Berry's places and started in the retail business here.

CALDWELL, O.—C. E. Reisling, for the past four and one-half years with G. L. Huscroft of Steubenville, is starting in the greenhouse business here with his brother, F. C. Reisling, who is identified with the Washington baseball team, under the title of Reisling Bros. Three houses are now in course of erection, 20x75 feet each, and carnations will be grown chiefly this season. More houses will be added for roses next year.

BROCKVILLE, ONT.—The planting of new stock, potting ferns, cyclamens and primulas is steadily going on, and the continued dry weather keeps the trade plying the hose during extra hours mornings and evenings. The little demand just now for cut flowers is mostly satisfied from outdoor cutting, for outdoor flowers are now more plentiful. Asters and gladioli are coming in. Roses and carnations are not very good, but lilies and valley are satisfactory.

GLADIOLI

You are invited to visit our exhibit at Rochester next week and get acquainted.

E. E. STEWART, Rives Junction, Mich.

WAVERLY, MASS.—Frank Nesbit has resigned his position with Edgar Bros.

INDIANAPOLIS, IND.—The W. J. & M. S. Vesey Co. of Fort Wayne was incorporated here as dealers in cut flowers with capital stock \$54,000. Wm. J., Margaret and Sally Vesey and Wm. J. Vesey, Jr., are incorporators.

BRAMPTON, ONT.—The Dale Estate has graduated two enterprising business men in Mark Henderson and Walter Calvert. These have recently launched into the trade on their own accounts. Mark Henderson starts out with two 50-foot houses. Walter Calvert was connected with the Dale concern in the capacity of foreman of the chrysanthemum department and other work. He also starts out with two 50-foot houses.

SAVANNA, ILL.—J. Y. Lambert & Son were awarded the first prize for decorated auto in the Fourth of July parade, turning out a handsomely decorated car. In the front Asparagus Sprenger and cream roses were used, pink and white carnations, roses and smilax being used for the body and canopy. Large bows and streamers of ribbon and plumes were also used and heightened the effect.

We will have a complete line of Samples of

Craig's Specialties at Rochester

Including Crotons, Ficus Pandurata, Begonia Lorraine, Cyclamen, Dracænas in variety, Arecas, Phoenix Roebelenii, Nephrolepis in variety, Pandanus Veitchii and Utilis, Etc.

Our exhibit will be in charge of our Mr. Wm. P. Craig and Mr. Duncan Macaw.
The stock offered this year is of exceptional quality and sure to please the most critical buyer. Look for Us. We will Look for You.

ROBERT CRAIG COMPANY, 4900 Market Street,
Philadelphia, Pa.

Branch, Norwood, Pa.

Fall List now ready, Send for one.

A CORDIAL INVITATION

Is extended to all local and visiting florists and their friends to
Come and See our fine collection of market plants of all kinds

Our Boston Ferns, Pandanus, Crotons and Palms

are in first rate condition and we have a lot of young stock of all kinds that will interest you.

THE FINEST STOCK IN THE WEST

Frank Oechslin 4911 Quincy Street
CHICAGO

Examine Our Exhibit at the Convention

JULIUS ROEHRS CO.

RUTHERFORD, NEW JERSEY.

ADVERTISERS, Send Copy Early for Best Service.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Passiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100;
Chrysanthemums, White Cloud Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

Salvia, onfire, 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Indianapolis.

FLORISTS' CLUB PICNIC.

All the stores were closed on Thursday afternoon in order that the dealers might take in the florists' picnic and most of them did. There were 165 florists there. Two special cars filled to overflowing with the gay crowd left the traction station for the scene of the festivities, Bertermann's Grove near Cumberland. Throughout the cars and in every nook and corner and in everyone's hand was a bouquet. The tables in the grove were also decorated with immense vases of hydrangea. Under the direction of the committee, Homer Wiegand, Sydney Smith and Fred Hukreide, races were run by the men, boys, little girls, young ladies and married women. Among the prize winners were John Zoylan, Robert Fohl, Norman Hukreide, Carl Elsner, Helen Rieman, Frieda Rieman, Clara Rodenbeck, Miss Louise Rieman, Miss Esther Strickland, Mrs. Degnan and Mrs. Albert Reinken. There was also a ball game in which the florists of the south side defeated those of the north side by a score of 11 to 1. During the entire afternoon an orchestra furnished music while 500 pints of beer and as many cheese and ham sandwiches, together with 10 gallons of ice cream made up the refreshments.

About three o'clock a scouting party was organized and the Bertermann swamps on the south side of the National road were explored. The visiting florists found many things of interest in these swamps. The new greenhouse which is being added to the Bertermann plant was also closely inspected and much favorable comment was expressed. Among those who took prominent part in the festivities were Harry Rieman, special conductor in charge; Ernest Rieman, master of ceremonies; John Hartje, official umpire of the ball game; Herman Young, race prize distributor; Irwin Bertermann, cigar distributor; Mrs. Herle, disher-out of the ice cream; and the following members of the picnic committee: Chas. Pahud, Billy Roepke, Homer Wiegand, Irwin Bertermann, A. J. Bauer, Fred Hukreide, and Sydney Smith. Many came out in automobiles and several prominent out-of-town florists took the opportunity to become better acquainted with the city brothers by joining in the good time. During the course of the afternoon A. Wiegand became somewhat indisposed and was taken into the city in an automobile by his son George and one of the employees in the store of A. Wiegand & Sons.

NOTES.

The asters at John and August Grande's places are not doing very much this year. John says he cannot account for the dwindling away of the plants. John Grande's chrysanthemum plants are certainly looking

California Reliable Bulb Company



LEEDHAM'S HOME-GROWN BULBS are better and cheaper than imported stock.

When you order our bulbs, you get just what you order of strong, vigorous and healthy bulbs.

NOTE THESE PRICES:

Per 1000	Per 1000
Stella.....\$ 2.00	Double Von Sion...\$10.00
Figaro..... 2.00	Sir Watkin..... 10.00
Cynosure..... 2.00	Emperor..... 12.00
Princeps..... 10.00	Paper White..... 8.00
Empress..... 10.00	Grand Monarque... 2.00

Order now or send for complete wholesale price list.

THE LEEDHAM BULB CO., Santa Cruz, California.

FIELD - GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

themum plants are certainly looking healthy and no doubt he will have some of the finest flowers on the market this year.

For the convenience of the many friends and patrons of the Hobbs nursery at Bridgeport, Ind., C. M. Hobbs & Sons have opened offices in the State Life building. These offices are in charge of O. A. Hobbs who has met with remarkable success since locating in this city.

John Rieman had a large gathering around his festive board at his Broad Ripple summer home last Thursday and found that his efforts to attend the florists' picnic were all in vain when he attempted to desert the gathering there.

B. F. Hensley, when present at the florists' picnic, expressed his intention of closing a deal for a new Richmond automobile for pleasure use.

Bertermann Bros. Co., is having its rapid delivery truck repainted, and is using wagons for delivery purposes.

Edward Bertermann is back from his extensive vacation trip and is looking well.

A. W. B.

Detroit.

The Florists' Club annual outing to Bois Blanc Island took place Friday, August 5, and was most successful in all respects. The weather was fine, and the hour and a half boat ride down the river was in itself a pleasurable feature, and upon landing at the island the ball game was immediately commenced and the teams were captained by Robert Rahaley and M. Bloy. The feature of the game was the batting and base running of Captain Rahaley, and was most exciting till Rahaley's team piled up a lead of six runs and the result from this time was never in doubt. The final score was 13 to 6. Victory for Rahaley's team. The other events followed in quick succession and awards made as follows:

Girl's race (12 years).—Mildred Mills, first; Margaret Carey, second.
Shoe string race (boys 12 years).—Howard Knope, first; Albert Reno, second.
Boy's race (16 years).—B. Pautke, first; Marvin Bloy, second.
Girl's race (16 years).—Mamie Carey, first; Catherine Mulso, second.

FIELD - GROWN

CARNATIONS

Clean, healthy plants. Only a limited number to offer.

	Per 100
WHITE PERFECTION.....	\$7.00
O. P. BASSETT.....	6.00
WINONA.....	6.00

J. A. BUDLONG

39 Randolph St., Chicago.

Married ladies' race.—Mrs. Mills, first; Mrs. Bloy, second.

Hundred yards dash for men.—Hugh Watson, first; Ernest Clessow, second.

Egg race, for ladies.—Ruth Knope, first; Catherine Mulso, second.

Pipe race (men).—Ernest Clessow, first; J. K. Stock, second.

Three-legged race.—Hugh Watson and Ernest Clessow, first; Tony Schmidt and H. Mass, second.

Running broad jump.—Hugh Watson, first; T. Miller, second.

Running hop, skip and jump.—Hugh Watson, first; T. Miller, second.

Game of quoits.—M. Bloy, first; J. F. Sullivan, second.

Tug of war.—J. K. Stock's team was victor.

The donors of the various prizes were: Kenneth Anderson, E. A. Scribner, Hugo Schroeter, Michigan Cut Flower Exchange, A. Pochelon, M. Bloy, Hammond Paint and Slug Shot Works, J. K. Stock. The stagnant condition of business the day of the outing easily permitted most of the florists to attend and make the annual club affair the splendid success it was.

Robert Rahaley, manager of the Michigan Cut Flower Exchange, is enjoying a vacation with his wife at Mackinac Island the whole of this week, but will return in time to join the delegation to Rochester, which leaves by boat Monday evening, August 15, at 5 o'clock. Many of this party will extend their trip to other eastern points after the convention adjourns. E. A. Feters and wife will visit New York, Philadelphia and Washington before returning home.

J. F. S.

ORCHIDS

We will have
ON EXHIBITION

at the
**Convention of the S. A. F. &
O. H., Aug. 16-19, in
Rochester, N. Y.,**

a number of Orchids as samples,
both imported and established, of
the most popular kinds, such as

**Cattleyas, Laelias, Dendrobiums,
Oncidiums, Vandas,
Cypripediums, Etc.**

Your inspection of same is
cordially invited.

**LAGER & HURRELL
SUMMIT, N. J.**

Primrose

Forbesi, 2-in. \$2.00 per 100; **Chinese Primroses**,
2-in. \$2.00 per 100; **Primula Obconica**, 2-in., **Alba**,
Rosea, **Lilac**, **Hybrida**, **Aubra**, \$2.00 per 100;
Gigantea, **Caroline**, **Kewensis**, \$3.00 per 100.

ROOTED CUTTINGS. Prepaid: **Stevia**, 75c per
100. \$6.00 per 1000.

Cash with order.

BYER BROS., Chambersburg, Pa.

See It at Rochester

NEW CARNATION

"CHRISTMAS CHEER"

Easy to grow. Easy to sell.
It will make a fortune for you.

HENRY EICHHOLZ, Waynesboro, Pa.

Baltimore.

There have been some showers but
very partially and those who were
neglected, think very inequitably dis-
tributed, which have mitigated some-
what the severe drought, but in dis-
tricts which were not reached by the
refreshing rains the crops are getting
into a condition which is almost hope-
less. Business keeps dull, and little but
funeral work is doing.

The meeting of the State Horticul-
tural Society held recently at O. Har-
rison's, Berlin, Md., was well attended,
the city being represented by about 40
visitors. Mr. Harrison proved a gener-
ous and agreeable host and all who at-
tended were charmed with his hospi-
table treatment. Many of those at-
tending the meeting, after the formal
sessions were ended, went over to
Ocean City to enjoy the sea breezes
and bathing.

Frederick Fischer, of Bengies, Bal-
timore county, general florist, died last
week. Mr. Fischer was a German who
had been in this country about 15
years, and had won the respect of his
neighbors and the trade. The business
will be continued by his son Paul.

Misses Matilda and Rose Held left
Saturday for a voyage abroad and will
visit many of the principal cities of
the European continent, their trip be-

VIOLETS

Lady Campbell.....\$4.00 per 100; \$35.00 per 1000

ASTER PLANTS

Simple's Branching, White, Pink, Lavender\$1.75 per 1000

Primulas, Chinese and Obconica, **Cineraria** (dwarf), **Double Alyssum**
and **Asp. Sprengeri**, 2½-in.\$2.00 per 100; 300 for \$5.00

Celery and Cabbage Plants, best varieties.....\$1.00 per 1000; \$7.50 for 10,000
Parsley, double curled.....\$1.50 per 1000

J. G. SCHMIDT,

Bristol, Pa.

SIMPLY BECAUSE WE MUST HAVE ROOM

We Are Closing Out Our Orchid Stock

ENTIRELY. WE CAN STILL SUPPLY

250 Cattleya Trianae and 100 Cattleya	Each	209 Cypripedium Leeannum , at.....	Each
Labiate , at.....	\$2.00	100	.50
Cattleya Schroederiae all sold.			1.00
150 Cattleya Percivaliana , at.....	\$1.00	Balance sold.	

They Are the Best Value in Orchid Stock You Ever Bought.
All established plants and warranted to flower.

CHARLES H. TOTTY, Madison, N. J.

Asparagus Primroses

	Per 1000	Per 100		Per 1000	Per 100
Plumosus , 2¼-in. pots.....		\$ 2 00	Kewensis , Yellow.....		\$2 00
Sprengeri , 2¼ in. pots.....		2 00	Chinese and Forbesi	\$18 00	2 00
Ready Sept. 15.			Obconica Alba and Rosea		2 00
Pansy Seed , new crop.....	Per oz.		Obconica Gigantea	25 00	3 00
Giant Flowering	\$ 4 00				

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

ORCHIDS...

Largest Importers, Exporters, Growers,
and Hybridists in the World.

SANDER, St. Albans, Eng.

**NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.**

ORCHIDS

Just Arrived in fine condition: **Oncidium**
Varicosum Rogersii, **O. Marshallianum**, **O.**
Forbesii, **Lælia Purpurata**, **L. Cinnabarina**,
Cattleya Citrina, **Odontoglossum Grande**.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids, Cattleyas

Dendrobiums, Laelias, Odontoglossums.

G. L. FREEMAN CO.

FALL RIVER, MASS.

ing expected to extend over about three
months.

Mrs. Zimmerman, of E. Monument, is
another of the local florists who are
spending the vacation season abroad.
She is visiting Germany and reports
having an enjoyable time.

Ernst W. and Albert G. Fiedler have
returned from their European trip, in
good health and spirits and pleased
with the experiences abroad. S. B.

A FEW GOOD THINGS YOU WANT.

G. raniams, Nutt. Perkins, Grant, La Favorite,
C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per
100; **Viaud**, Castellane, **Poitevine Jaulin**,
Ricard, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50;
3-in., \$5.00 per 100.
Whitmani Ferns, 4-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Roses, **Bride**, **Maids and Gates**, 3-in., \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments
at risk of purchasers, after being delivered to the
express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Ferns

Whitmani, 3-inch stock, 6c.; 4-in. \$1.50 per doz.
Superbissima, 4-inch, 15c. 6-inch 25c each.

W. W. COLES,

KOKOMO, INDIANA.

Mention the American Florist when writing

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

Mention the American Florist when writing

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"GREENHOUSE MATERIAL"

Standard Steam and Hot Water Heating Plants

WONDERFUL VALUES. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now

Send for our Special Heating Catalog, filled with valuable information; tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47.

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

BUILDING MATERIALS AND SUPPLIES

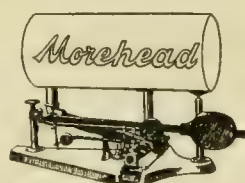
Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds. Boilers, Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago

We Want Every Florist—



to read our "Trap Book." It throws new light on an interesting and important subject.

MOREHEAD STEAM TRAPS

If you want to know more about the possibilities of making your steam lines more effective, save on fuel, water and labor—and grow better stock. Write for the Florist's "Trap Book" at once.

Don't delay. The information will cost you nothing and will pay you well.

MOREHEAD MFG. CO. Dept. N, DETROIT, MICH.

Are You Aware

THAT OUR 1910 DIRECTORY

OF FLORISTS
SEEDSMEN AND
NURSEYMEN

Contains Approximately

1,500 New Names in Its 570 Pages

Price \$3.00 Postpaid.

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

AMERICAN FLORIST CO.,

324 Dearborn St., Chicago

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Althernantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprenger, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus plumosus, 2½-in., \$3 per 100. Sprenger, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus Plumosus Nanus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000. Asparagus Sprenger, strong, \$2.50 per 100; \$22.50 per 1,000. Skidelsky & Irwin Co., 1215 etz Bldg., Philadelphia, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Sprenger, 2½-in., 2c; 4-in., 9c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprenger, 2½-in., \$2 per 100; Plumosus, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus nanus, 3-in., 6c. Sprenger, 3-in., 5c; fine for benching. Clara K. Wisner, Toledo, O.

Asparagus. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus Sprenger, 3-in., \$4 per 100. E. G. Hill Co., Richmond, Ind.

Asparagus Sprenger. Strong, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ARAUCARIAS.

Araucarias. For varieties and prices see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., \$6 per doz.; 5-in., \$9; 6-in., \$12. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

ASPIDISTRAS.

Aspidistra lurida, 15c per leaf. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

ASTERS.

Asters. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, extra fine strong plants, 2½-in., \$15 per 100; \$140 per 1,000; 3-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 4-in., 25c. Lonsdale, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 3-in., \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, Narcissus per 1,000; Stella, \$2; Figaro, \$2; Cynosure, \$2; Princeps, \$10; Empress, \$10; Dbl. Von Sion, \$10; Sir Watkin, \$10; Emperor, \$12; Paper White, \$8 Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Lillium Harrisii, 6-7, 350 to case, \$17.50 per case; \$6 per 100; 7-9, 200 to case, \$18 per case; \$10 per 100; 9-11, 100 to case, \$20 per case; \$25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, ½ to ¾ inch. Lillium Formosum, all sizes. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Lillium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, French hyacinths, narcissus, freesia, Soleillet, Horticulteur, Toulon, France.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, of all kinds. Henry F. Mitchell Co., Philadelphia.

Bulbs, of all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 7, Mesilla Park, N. M.

CANNAS.

Cannas, fall or winter delivery. R. Vincent, Jr., & Sons Co., White Marsh, Ind.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.
Ready about August 15.

	Per 100.	Per 1,000.
4,000 Beacon	\$7.00	\$60.00
4,000 White Enchantress	7.00	60.00
5,000 Enchantress	6.00	50.00
6,000 White Perfection	6.00	50.00
4,000 Rose Pink Enchantress	6.00	50.00
2,000 Victory	6.00	50.00
2,000 Lady Bountiful	6.00	50.00
2,000 Lawson-Enchantress	6.00	50.00

These plants are strong and healthy, and by the 10th or middle of August will be in EXCELLENT condition for benching. All orders will be filled strictly in rotation and will give satisfaction.

SKIDELSKY & IRWIN CO.,
1215 Betz Bldg., Philadelphia, Pa.

CARNATION PLANTS.

Clean, healthy, field-grown plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	Per 100.	Per 1,000.
Pink Enchantress	\$6.00	\$60.00
Rose Enchantress	.....	.....
White Enchantress	7.00	65.00
Perfection	6.00	60.00
Bountiful	6.00	60.00
Boston Market	5.00	50.00
White Lawson	.....	.....
Lawson	.....	.....
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	5.00	50.00
Winsor	6.00	60.00
Yellow Beauty	6.00	60.00
M. A. Patten	6.00	60.00

CASH WITH ORDER.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Carnations, field-grown, W. Perfection, L. Bountiful, W. Lawson, Victory, O. P. Bassett, Beacon, Enchantress, R. P. Enchantress, Lawson-Enchantress, Winsor, Winona, Viola, Sinclair, Afterglow, P. Lawson, \$6 per 100; \$55 per 1,000. Cash with order. Harry Heintz, West Toledo, O.

Carnations, field-grown, Enchantress, Winsor, Lawson-Enchantress, Lady Bountiful, White Perfection, Lawson. Write for prices. Alfred Hannah & Son, Grand Rapids, Mich.

Carnations, field-grown, strong, healthy plants. Enchantress, Rose Pink Enchantress, White Perfection, Lawson and Queen, \$6 per 100; \$55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Field-grown carnation plants, Victory, Boston Market, Red Lawson, \$4 per 100; \$35 per 1,000. Cash or C. O. D. Northwestern Floral Co., Wilmette, Ill.

Carnations, W. Perfection, R. P. Enchantress, Enchantress, Winona, Lawson-Enchantress, Winsor, \$3 per 100; \$50 per 1,000. W. Sabransky, Kenton, O.

Carnation Alvina, 10-20 shoots, \$10 per 100; 5-10 shoots, \$7.50; Henry Eichholz, Waynesboro, Pa.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnation Constant, \$8 per 100; \$75 per 1,000. C. S. Ford, West Park, Philadelphia, Pa.

Carnations. F. Dörner & Sons Co., Lafayette, Ind.

Carnation Christmas Cheer. Henry Eichholz, Waynesboro, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Tousey, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, bush plants, 6-in., 60c each; \$6 per doz.; 8-in., 85c each; \$9 per doz.; 10-in., \$1.50 each. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums. White Cloud, P. Supreme, G. Glow, Ivory, Bailey, Klondike, Lulu, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

LAST CALL FOR MUMS.

Here is a list of varieties we have for sale:

OUT OF SOIL.			
White.	Per 100	Yellow.	Per 100
Oct. Frost.....	\$2.00	R. Halliday	\$2.00
W. Ivory.....	2.00	Y. Bonnafton.....	2.00
W. Bonnafton.....	2.00	G. Beauty.....	2.00
Col. Appleton.....	2.00	Pink.	
Yellow.		Pink Ivory.....	2.00
Golden Glow	2.00	Red.	
Monrovia	2.00	Black Hawk.....	2.00

2-INCH STOCK.

Per 100			
Early Snow.....	\$2.50	Black Hawk	\$2.50
R. Halliday.....	2.50	Miss C. Frick.....	2.50
Souv. de Scand-		V. Poehlmann.....	2.50
lans	2.50	Golden Eagle.....	2.50

TOPPED PLANTS FOR POT CULTURE.

White.	Per 100	Yellow.	Per 100
Oct. Frost.....	\$2.00	Monrovia	\$2.00
White Ivory.....	2.00	R. Halliday	2.00
W. Bonnafton.....	2.00	Y. Bonnafton.....	2.00
Yanoma	2.00	Pink.	
V. Poehlmann	2.00	Pink Ivory.....	2.00
Yellow.		Red.	
Golden Glow.....	2.00	Black Hawk	2.00

2-INCH STOCK POMPONS.

Baby Margaret.....	\$2.50	K. Cowill.....	\$2.50
Baby	2.50	Mrs. E. Roberts.....	2.50
Klondike	2.50	Pilloria	2.50
Quinola	2.50	Earlwood Beauty.....	2.50
Lulu	2.50	Irene Cragg.....	2.50
Lady Smith	2.50	Diana	2.50
Rob Roy	2.50		

WIETOR BROS..

51 Wabash Ave., Chicago.

CLEMATIS.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 60c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Western Springs, Ill.

Crotons, Robt. Craig Co., 4900 Market St., Philadelphia.

CYCLAMENS.

Cyclamen persicum giganteum from 4-in. pots, stocky; plenty of leaves and well set to buds. Must be sold quick or shifted. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamen giganteum; separate colors, fine plants, 3 1/2-in. pots, \$6; 2 1/2-in., \$3.50 per 100. W. D. Oviatt, 520 Highland Ave., Rochester, N. Y.

Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, 3-in., \$7 per 100; 4-in., \$15. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Cyclamen, Robt. Craig Co., 4900 Market St., Philadelphia.

Cyclamen, 2-in., 4c; 3-in., 7c; 4-in., 15c. Advance Floral Co., Dayton, O.

Cyclamen grandl., 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CINERARIAS.

Cinerarias, Dreer's prize dwarf, 2-in., \$2 per 100. Wettlin Floral Co., Hornell, N. Y.

DAHLIAS,

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, field clumps, \$6 per 100; \$45 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena fragrans. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena Sanderiana, 3-in., \$2 per doz.; \$15 per 100. Chas. D. Ball, Holmesburg, Pa.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

Dracenas in variety. Robt. Craig Co., 4900 Market St., Philadelphia.

FERNES.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; 25c per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2 1/2-in., \$3.50 per 100; \$30 per 1,000. Assorted ferns for fern dishes, 2 1/2-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

10,000 Bench Ferns, strong, clean, healthy Scholzei for 4-5-in., 20c; 5-6-in., 25c; extra heavy, 30c. Scottii for 3-4-in., 8c; 4-5-in., 12c; 5-6-in., 15c. Boston for 4-5-in., 12c; 5-in., 15c; extra 6-in., 25c. Whitmani, 4-5-in., 12c; 6-7-in. specimens, 25c. Asparagus Sprengeri, heavy, 3-in., \$3 per 100. Cash. Satisfaction guaranteed. Wm. S. Herzog, Morris Plains, N. J.

Ferns, Boston, 2 1/2-in., \$4.50 per 100; 4-in., \$2 per doz.; 15c per 100; 5-in., \$3 per doz.; \$25 per 100. Whitmani, 2 1/2-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Elegantissima, improved, 6-in., 50c Specimen, 8-in. ferns, \$1 each; 2 1/2-in., \$10 per 100. Elegantissima Compacta, 4-in., 25c; 6-in., 50c; 2 1/2-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-in., pans, \$1. F. R. Pier-son Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Scottii, Whitmani, Scholzei, 4-in., 25c; 5, 5 1/2 and 6-in., 35c to 50c. Ferns for dishes, assorted, 2 1/2-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, Whitmani, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Neph. Giatrasi, 2 1/2-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatrasi, 463 Summit Ave., West Hoboken, N. J.

Ferns, Whitmani, 2 1/2-in., \$5 per 100; \$40 per 1,000. Neph. Magnifica, 2 1/2-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Whitmani, 4-in., 25c. Geo. M. Em-mans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns in variety. Robt. Craig Co., 4900 Market St., Philadelphia.

Ferns, Whitmani and Elegantissima, 2 1/2-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

FICUS.

Ficus. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus Pandurata. Robt. Craig Co., 4900 Market St., Philadelphia.

GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Claud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Le-cadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in., \$2; 3-in., \$4 per 100. Claud, Costelline, Poltevine Joulin, Ricard, Buchner, R. C. \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 3-in., \$3 per 100; \$25 per 1,000. For next season, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

SPECIAL OFFER. 15,000 Jean Claud, from 2 1/2-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Rose geraniums, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Ricard, Poltevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

HARDY PLANTS.

HARDY PLANTS. All of the most desirable kinds. Give list of wants and we will quote prices. Wagner Park Conservatories, Sidney, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

Perennials, iris, phlox. S. G. Harris, Tarrytown, N. Y.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

JERUSALEM CHERRIES.

Jerusalem cherries, 2 1/2-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley. Sackman, Secaucus, N. J.

From Storage.

Lily of the Valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, shrubs, ornamental trees, roses, etc. Chase Bros. Co., Rochester, N. Y.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsck & Ordonez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Chas. H. Totty, Madison, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

PALMS.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Fors., 7-in., 34-36 ins., \$3.50 each; made up, 32 to 34 ins., \$3 each; 36 to 40 ins., \$4. Kentia Bel., 7 in., 34-36 ins., \$4 each; 7-in., 28-30 ins., \$3; 6-in., 26-28 ins., \$1.75; 4-in., 25c each; \$35 per 100; 2½-in., \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Chas. D. Ball, Holmesburg, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices, see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms, Robt. Craig Co., 4900 Market St., Philadelphia.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus, Veitchii, 4-in., 50 each; \$6 per doz.; 7-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Pandanus Veitchii, 3-in., \$3.50 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Begonias. Robt. Craig Co., 4900 Market St., Philadelphia.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, Leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, S. G. Harris, Tarrytown, N. Y.

PEPPERS.

Peppers, 2½-in., \$2.50 per 100. Frank Oechsln, 4911 Quincy St., Chicago.

Celestial peppers, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

POINSETTIAS.

Poinsettias, 3-in., \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Poinsettias, 2-in., \$5 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Poinsettias, 3-in., \$6 per 100; 2½-in., \$4. E. G. Hill Co., Richmond, Ind.

POPPIES.**ORIENTAL POPPIES.**

About 1,500 strong three-year-old Oriental Poppies for sale at a bargain. Make offer for all or part.

W. N. RUDD, Morgan Park, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Roudort's and Lattman's unrivalled hybrids, 14 colors or mixed, 2c. Obconica Gigantea, 3 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primulas, Chinese, the very best strains, 2-in., \$2 per 100; 2½-in., \$3 per 100. Primula obconica grandiflora, Kewensis, Rosea, Alba in mixed or separate, 2-in., \$2 per 100; 2½-in., \$3 per 100. Wettlin Floral Co., Hornell, N. Y.

Primulas, obconica, 2-in., alba, rosea, hybrida, rubra, \$2 per 100. Gigantea, Carmine, Kewensis, \$3. Byer Bros., Chambersburg, Pa.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 2-in., \$3 per 100. Obconica, 3-in., \$7. D. U. Augspurger & Sons Co., Peoria, Ill.

Primrose, Chinese, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechsln, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 8, Mesilla Park, N. M.

ROSES.**SURPLUS ROSE PLANTS.**

Owing to changed plans we have a surplus of fine young rose stock and we offer it cheap to close it out: 1,500 Brides, 125 Maids, 400 Pink Killarney, 200 Richmonds and 50 Rhea Reid. All the foregoing are fine grafted stock in 2½-in. at 8c.

1,000 White Killarney, grafted, 2½-in. at 10c. 325 White Killarney, own roots, 2½-in. and 3-in., extra good, at 6c.

700 Beauties, 2½-in. at 5c.

300 Beauties, extra, 3-in. at 7c.

Cash with order unless you already have credit arrangements with us.

THE PARK FLORAL COMPANY,
1706 Broadway, Denver, Colo.

ROSE PLANTS, 2½-INCH POTTS.

Kaiserin	100	1,000
White Killarney	54	\$35
Mrs. Jardine	7	60
American Beauty	5	45
American Beauty, 3 inch	6	55

WIETOR BROS.,

51 Wabash Ave., Chicago.

Roses, Brides, 3-in., \$4 per 100; My Maryland, 3-in., \$5 per 100; P. Killarney, 3-in., \$5 per 100; W. Killarney, 3-in., \$7 per 100; K. A. Victoria, 3-in., \$7 per 100; Bon Silene, 3-in., \$4 per 100; 1-year-old P. Killarney from bench, \$8 per 100. Cash with order. Harry Heintz, West Toledo, O.

Extra fine rose stock: 1,000 3½-in., Cardinal, \$10 per 100; \$90 per 1,000; 600 3½-in. Perles, \$7.50 per 100; \$70 per 1,000; 2,500 2½-in. Richmond, \$5 per 100; \$45 per 1,000; 1,000 2½-in. Kaiserins, \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateaux, Killarney, Etolle de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 1,000 Maids, 500 Brides, 3-in., fine stock, \$5 per 100; \$50 the lot. Cash. Chas. Ederer, Omaha, Neb.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, American grown hardy. For varieties and prices see page advertisement elsewhere in this issue. Ellwanger & Barry, Rochester, N. Y.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Veilchenblau, \$6 per 100; \$50 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonfire, 3-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Winter onion sets. Vaughan's Seed Store, Chicago and New York.

Seeds. Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamens and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, sweet peas, mignonette, pansy, cyclamen, asparagus and smilax. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seed, pansy, 3,000 seeds, \$1; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5; ¼ lb., \$14; ½ lb., \$25; lb., \$50. Peter Brown, Lancaster, Pa.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Asters. Elmer D. Smith & Co., Adrian, Mich.

Seed, Asters. Vick & Hill Co., Rochester, N. Y.

Seeds, Jerome B. Rice Seed Co., Cambridge, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. Henry F. Michell Co., Philadelphia.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Robbert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax, strong, 2½-in., \$1.75 per 100; \$15 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Smilax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$3 per 1,000. D. U. Augspurger & Sons Co., Peoria, Ill.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

Smilax from 2-in. pots, \$1.75 per 100; \$15 per 1,000. J. L. Schiller, Toledo, O.

Smilax, 2-in., \$2 per 100. E. G. Hill Co., Richmond, Ind.

Smilax. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SPIREAS.

Spireas, J. Smits, Ltd., Naarden, Holland.

STEVIA.

Stevia, R. C., 75c per 100; \$6 per 1,000.
Byer Bros., Chambersburg, Pa.

STOVE PLANTS.

Stove plants and crotons. Finest collection.
Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Late Cabbage Plants. All standard sorts, such as Premium Late, Flat Dutch, Autumn King or World Bester, Sure Head and Danish Ball Head. I want you for one of my regular customers. Fifty per cent of my shipments this month have already brought second orders. In order to show you the quality I send out, look at my reduced introduction prices: 1,000 for 75c; 5,000 for \$3; 10,000 for \$5.50; 100,000 for \$50. Lettuce, Grand Rapids and Big Boston, per 1,000, \$1. Parsley, Double Curled, per 100, 25c; per 1,000, \$1.25. Every one a plant. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

WHOLESALE CUT FLOWERS.**Commission Dealers.**

Amling, E. C., 32-36 Randolph St., Chicago.
Angermueller, Geo. H., 1324 Pine St., St. Louis, Mo.
Berger Bros., 1305 Filbert St., Philadelphia.
Berning, H. G., 1402 Pine St., St. Louis.
Deamud Co., J. B., 51 Wabash Ave., Chicago.
Flower Growers' Market, 60 Wabash Ave., Chicago.
Ford, M. C., 121 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex. J., 34 W. 28th St., New York.
Hart, Geo. B., 24 Stone St., Rochester, N. Y.
Hoerber Bros., 51 Wabash Ave., Chicago.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kasting Co., W. F., Buffalo, N. Y.
Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
Kessler Bros., 450 6th Ave., New York.
Kruchten, John, 51 Wabash Ave., Chicago.
Kuehn, C. A., 1122 Pine St., St. Louis.
Kyle & Foerster, 51 Wabash Ave., Chicago.
Langjahr, A. H., 55 W. 28th St., New York.
McCallum Co., Inc., Pittsburg, Pa.
McCullough's Sons Co., 316 Walnut St., Cincinnati.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
Millanz, Aug., 41 W. 28th St., New York.
Moore, Hentz & Nash, 55 W. 26th St., New York.
Munk Floral Co., Columbus, O.
Murphy, Wm., 311 Main St., Cincinnati, O.
N. Y. Cut Flower Exchange, Coogan Bldg., New York.
Niessen Co., The Leo, 1209 Arch St., Philadelphia.
Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
Randall, A. L. Co., 19-21 Randolph St., Chicago.
Rice Bros., 115 N. 6th St., Minneapolis, Minn.
Robinson & Co., H. M., 15 Province St., Boston.
Sheridan, Walter F., 131 W. 28th St., New York.
Smith, P. J., 49 W. 28th St., New York.
Smith, Wm. C., 1316 Pine St., St. Louis.
Traendley & Schenck, 131 W. 28th St., New York.
Vaughan & Sperry, 52 Wabash Ave., Chicago.
Weiland & Risch, 59 Wabash Ave., Chicago.
Welch Bros., 226 Devonshire St., Boston.
Young & Nugent, 42 W. 28th St., New York.
Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Dillon, J. L., Bloomsburg, Pa.
Elliott, W. H., Brighton, Mass.
Hill, E. G., Co., Richmond, Ind.
Reinberg, Geo., 51 Wabash Ave., Chicago.
Reinberg, Peter, 35 Randolph St., Chicago.
Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
Wieter Bros., 51 Wabash Ave., Chicago.
Wittbold, Geo., 739 Buckingham Pl., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Byres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg Flower and Plant Co.
Kansas City—Alpha Floral Co., 1105 Walnut St.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
New York—David Clark's Sons, 2139 Broadway.
New York—Davids, 44th and Madison Ave.
New York—Alex. McConnell, 571 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. E. Keller Sons, 25 Clinton Ave. N.
St. Louis—F. H. Weber, Boyle and Maryland Aves.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L. St.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Gem City Return Tubular Firebox boilers.
The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; 1st doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plantville, La.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

Coal, Brazil Indiana Block, \$2.65 per ton. Genuine Pocahontas, mine run, \$3.05 per ton. Golsen-Doan Coal Co., Old Colony Bldg., Chicago.

Coal, Pocahontas, Brazil Block, W. Va. Excelsior Splint, Youghiogheny, Eureka, Plymouth. Northern States Coal and Mining Co., 406 Fisher Bldg., 277 Dearborn St., Chicago.

Coal, Pocahontas, New River, Splint, Lower Vein Brazil Block, Illinois and Indiana lump and egg. Geo. R. Hinners Co., Elston Ave. and Blackhawk St., Chicago.

Coal, Berwind Smokeless, from Pocahontas and New River mines. Berwind-White Coal and Mining Co., 1805 People's Gas Bldg., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit. Ideal coal for florists. Eldridge Coal Company. Telephone Harrison 5788.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

Coal, Black Gem Block. Black Gem Block Coal & Coke Co., Old Colony Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{5}{8}$ and $\frac{7}{8}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Tilmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity, placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Gasser's Patent Zinc Joints, for butting glass. See advertisement elsewhere in this issue for prices. E. Konigslow Stamping and Tool Works, 184 Champlain St., Cleveland, O.

Window boxes, plant tubs and anything decorative in wood. Foster, Mansfield Mfg. Co., 145 W. 28th St., New York.

Foreign freight forwarded and custom house brokers. International Forwarding Co., 315 Dearborn St., Chicago.

New Imported Florists' Baskets. The Rudelein Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, bay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Ideal Hot Water Circulator. A. E. Crowhurst, Humber Bay, Ont.

Tags for flowers. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Davis Combination Check and Globe Valve. W. B. Davis, Aurora, Ill.

Revere Garden hose. Revere Rubber Co., Boston, Mass.

Diamond glass cutters. John E. Stephan, 70 La Salle St., Chicago.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron ben a fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots. Standard, all sizes. A. F. Kober, 2934-38 N. Leavitt St., Chicago.

The Red Pot. J. C. Pollworth Co. All roads connect with Milwaukee.

RAFFIA.

Raffia, bale lots. Vaughan's Seed Store, P. O. Drawer, V., Chicago.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 50c for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead, Return Steam Traps. Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

WINDOW GARDENING.—(Dorner.) An excellent treatise on this interesting subject telling in plain language the best methods of cultivating plants in rooms and windows. The author is a well known and practical grower. Well bound in green cloth, 153 pages and 43 illustrations, \$1.25.

THE GOLDFISH (Mulerdt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

BEAN CULTURE (Sevey).—An excellent practical treatise on this important crop containing instructions on all phases of culture from seed sowing to harvesting and marketing. Profusely illustrated, 144 pages. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

YARD AND GARDEN (Baker). An excellent book treating on the method of making home gardens attractive. The author covers a wide range of subjects in quite an able manner and the book is full of interest for the amateur gardener; 140 illustrations, 420 pages, \$2.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

THE GARDEN MONTH BY MONTH (Sedgwick).—A well classified list of hardy herbaceous and other plants arranged for each month in the year. Water plants, vines, ferns, foliage plants and others all have separate chapters devoted to them and a color chart is an unusual and extremely useful addition to a most carefully compiled and excellent book. Finely illustrated. \$4.30.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

American Florist Co. 324 Dearborn St. CHICAGO.

"WE DELIVER THE GOODS"

International Forwarding Co.

FOREIGN FREIGHT FORWARDERS

—AND—

CUSTOM HOUSE BROKERS.

Manhattan Building
315 Dearborn Street,

CHICAGO

Cable Address "Forwarders."

Liebers Code and A. B. C. 5th Edition.

Eldridge Coal Company



SOLE AGENTS FOR
GENUINE OLYMPIA POCAHONTAS,
ANTHRA-BIT THE IDEAL SMOKELESS COALS FOR FLORISTS' USE.

Special Prices for Immediate Delivery.

Prices Will Advance September 1st.

Our Yards Cover the City. All 'Phones Harrison 5788.

WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

THE ALLIED TRADES

THE MANAGEMENT of the Superior Machine & Boiler Works, 840-850 Superior street, Chicago, reports the sale of two boilers—one to Peter Mertens, 6104 North Winchester avenue, Chicago; the other to Ira Clark & Co., Broadway and McKee street, Greensburg, Ind.

Steam Coal Notes.

Chicago.—While internal dissensions in official relations between J. H. Walker, president of the United Mine Workers' Union of Illinois, and T. L. Lewis, president of the United Mine Workers of America, the national organization, are still rending agreements between the Illinois Coal Operators' Association and the miners in this state, with no prospect of a settlement anyway soon, the season is slowly but surely approaching when all users of steam coal—such as electric light plants, water works, elevators, large manufacturing plants, railroads, etc., will be forced to use strenuous methods to protect their season's supply of fuel. In this summary must be included domestic yards in Chicago, and at other large points.

While considerable tonnage from the West Virginia smokeless coal fields is at this time being shipped to the lower lake ports, there being loaded to water carriers destined for ports on the upper lakes, which will continue to be the case until the freeze-up at the locks some time this coming winter, nevertheless the mines in West Virginia, Indiana, and other eastern states, are helping out the situation in this city by increased shipments just at this season this year to this terminal. The prices obtained, while somewhat higher than figures obtained in previous years, are not out of proportion when the quality of the coal is considered and the further fact that the railroads are charging more per ton for hauling; also that the miners are receiving a proportionate increase in wage scale.

Several of the larger greenhouse men, seedsmen and nurserymen have bought heavily of these coals, especially of West Virginia and Indiana mines, not desiring to risk the issue. However, the present outlook is such that a great many florists and nurserymen will be literally frozen up during this coming winter, if the apathy shown in covering their wants in the steam coal line at this time is a criterion. Coal is as essential to the florist and nurseryman as the glass he owns, for without coal to produce the heat his glass is useless.

Northern States Coal & Mining Co.

406 Fisher Bldg., 277 Dearborn St., CHICAGO
 Phone Harrison 6753.

Our Florist Business has increased up to present time

THIS YEAR 50 PER CENT.

Let us have your inquiries NOW for the following grades of FLORISTS' COALS:

**W. Va. Excelsior Splint,
 Brazil Block,
 Pocahontas,**

**Youghiogeny,
 Eureka,
 Plymouth, } Indiana.**

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

**INDIANA AND ILLINOIS
 COALS**

Preparation and Quality as They Should Be.

We Make a Specialty of Supplying the Florist Trade

Miners and shippers of the following grade of coal:

**Sunshine,
 Indiana Brazil Block,
 Pocahontas,**

**West Virginia Splint,
 Youghiogeny and
 Southern Illinois.**

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co.,

**355 Dearborn Street,
 CHICAGO.**

Back From Extended Outing.

Adam Schillo, of the Adam Schillo Lumber Co., Hawthorne and Wood streets, Chicago, in company with Peter Reinberg and several others, returned recently from an extended trip to the Pacific coast. Yellowstone Park, Portland, Ore., Spokane, Seattle, and Tacoma, Wash., were taken in enroute. The Puget Sound waters proved very enjoyable to the party. The return trip was made via Victoria and Vancouver, B. C., and Winnipeg and other points

of interest in the Canadian country were also noted in the itinerary.

On his return to Chicago Mr. Schillo found business in good shape, which was the case practically the whole of the past season. The pecky cypress, with which Mr. Schillo's business comes in direct connection with the greenhouse trade, is moving along very satisfactorily. At the present time, however, stocks of this lumber are down to minimum, and Mr. Schillo strongly advises intending purchasers to cover promptly their requirements along that line, as shipments from the south may be delayed in transit.

SAVE LABOR AND EXPENSE BY THE USE OF

Berwind Smokeless

COAL

From Pocahontas and New River Mines of
Berwind - White Coal Mining Co.

Offices: 1805 Peoples Gas Building, CHICAGO.

Telephone Randolph 3901

GEORGE R. HINNERS CO.

Phone Monroe 386

Elston Ave. and Blackhawk St.

CHICAGO

Wholesale Dealers and Shippers of all Grades of BITUMINOUS COAL For Greenhouse Purposes

WE HANDLE AND
RECOMMEND THE
BEST GRADES OF

Pocahontas,
New River,

Splint,

Illinois and Indiana Lump and Egg.

Lower Vein Brazil Block,

LET US
QUOTE
YOU.

WE would like to call the attention of readers to the excellent "Standard" mailing tubes, scored wrappers and other specialties made and sent out by the Standard Manufacturing Co. of Coatesville, Pa. Valuable prints and other mail matter are often rendered useless by careless packing, but these tubes insure safe arrival under any circumstances with the minimum of trouble and expense and they should be in all offices, large or small.

Heating a Greenhouse.

ED. AMERICAN FLORIST:—

How would you advise heating a greenhouse 15x20 feet, two feet in the ground always dry? On the north end is a shed eight feet wide, open 6½ feet high where it joins the greenhouse and 5½ feet at back, eight feet from greenhouse. This storage shed might be closed from the greenhouse if advisable. The chief end now sought is to heat the greenhouse as cheaply as is consistent with good results. If we enlarge the greenhouse next season, would it have to be hot water heat? We are short of funds now, but would like some good advice before we do anything.

J. F. T.

While not very satisfactory, a house of the size mentioned can be heated by a wood-burning box stove from which a pipe is carried around under the side bench. Especially if the house is to be added to another season, it will be far more satisfactory if a hot

water heater is put in now, which will be sufficiently large for the house to be built next year, as well. The proposed house can be readily heated by running a 2-inch pipe on each plate and connecting them with coils containing four 2-inch pipes each, if a temperature of 60° is desired, or three pipes in each coil if 50° will answer.

L. R. T.

Yonkers, N. Y.

The regular monthly meeting of the Horticultural Society was held in Wiggins' hall August 5, with President Bennett and a large number of the members present. The committee on the June show reported it had the business of the show about completed and reported a substantial balance in hand over all expenses. The schedule for the fall show was read and adopted and it is hoped to have the same printed soon; there are 67 classes in all. The committee reported receiving

a good number of prizes from different persons, but is still ready to receive more. Those donated consist of gold medals, silver cups and cash prizes.

Hamilton Scott was elected secretary to fill the vacancy caused by W. H. Waite resigning. As Mr. Waite has been in poor health for some time he has gone on a trip to Scotland and we hope to see him greatly improved in health on his return. John Goff read a very able essay on "Carnations," telling how he grew them so very successfully. The next meeting will be held the first Friday in September.

L. W.

Fiber Board Boxes in Demand.

R. E. Ferguson of the advertising department of the Sefton Mfg. Co., 1301-1341 Thirty-fifth street, Chicago, reports an unusually brisk demand for corrugated fiber board boxes used by florists for shipping cut flowers and designs. Indications are that this year's business will eclipse former high marks for total business; inquiries are on the increase.

GOLSEN-DOAN COAL CO.

Florists' Coal a Specialty

—We make this special offer to florists—

Brazil Indiana Block,	- - -	\$2.65 per ton
Genuine Pocahontas Mine Run,	running at least fifty per cent lump.	3.05 per ton
F. O. B. Chicago.	Good things do not go begging long.	

Old Colony Building, - - - CHICAGO.

Mr. Grower:

HAVE YOU USED

Standard Mail Tubes

—AND—

Standard

Scored Wrappers

BOTH THE BEST OF THEIR CLASS.

Perfect protection in shipments
by mail or express.

Very light for their strength and
resistance.

Easy and quick to use.

LOW COST

You cannot afford not to use them.

Samples mailed on request.

Standard Mfg. Co.
COATESVILLE, PA.

Pittsburg.

BUSINESS QUIET.

Trade is a little quiet here at present writing; quite a number of the trade, taking advantage of the dull spell, are away on their vacations. Forces at the wholesale and retail stores are thus running short handed, and to an outsider the impression would be a very busy time. The rose crop that is on more than equals the demand in My Maryland and Killarney, while Kaiserin is just the contrary. Asters continue plentiful, many of them very poor quality, there being hardly enough fancy ones to go around. Gladioli are coming in more heavily and some very fine America are seen. This variety moves out well; the longer stocks seem to find better sale than the short ones, yet have equal quality blooms. Beauties are moving out clean, but cheap. Good smilax is very scarce. Other greens are very plentiful.

NOTES.

The Pittsburg & Allegheny Florists' Club, at their last meeting decided not to have a picnic this year.

Harry Elicker, Homestead, is going to Chicago to try his hand at the florist business.

Breitenstein Co. is showing a very pretty window, in the way of a lily pond.

B. Huscroft of Steubenville, O., has returned from his trip through California.

Karl Klinke and wife are spending several weeks in Canada.

Zeiger Co. has had quite a run on funeral work.

Geo. Stanger, North Side, is moving his store.

Mrs. J. B. Smith, McKeesport, is very ill.

J.

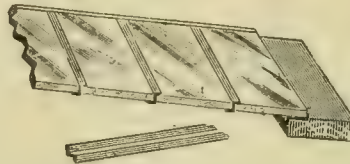
J. M. GASSER'S Patent Zinc Joints For Butting Without Laps.

The Improved Glazing for Greenhouses, Sky Lights, Etc.

Air and water tight. Saves fuel. Glass is not broken by frost or medium sized hail.

IMPROVED GLAZING.

We call particular attention to the J. M. Gasser Patent Zinc Joints, illustrated below, for which we are now the exclusive manufacturers, under special arrangement with the patentee.



These Joints make glass roofs air and water tight, prevent breakage from frost, and where heat is required, as in greenhouses, save fuel and insure a uniform temperature. They have been in use for over twenty years and the uniform experience of users has been most satisfactory.

Directions for Use.

Bed the bars in putty in the same way you have been doing. Use very soft putty. Take a board and spread with putty. Take a zinc

and scrape some putty on one side from off the board. Take a glass and scrape some putty on the end that you connect. Lay on board ready for use.

Put in the first glass in the same manner you have been doing, nail it so it cannot slide. Then take a zinc and connect with the glass, putty down; take a glass and connect it with a zinc, putty down; in this way you can connect as many as you reach, then nail it. Have a boy to help you; he can put the putty on the zincs and glass, while you nail, and then he can hand you the zincs and glass while you put them in. In that way you can put in from 600 to 800 feet of glass a day.

PRICES.

Per 1000	Per 1000	Per 1000
18 inches, \$9.10	14 inches, \$7.10	10 inches, \$4.00
17 inches, 7.50	13 inches, 4.75	9 inches, 3.50
16 inches, 6.00	12 inches, 4.50	8 inches, 3.00
15 inches, 5.50	11 inches, 4.25	

Any size smaller, the same.

You can almost save the price of zincs on glass and putty.

In ordering, mention the size of glass between bars.

It takes one joint for every pane of glass.

10 per cent. discount for cash with order, or will be sent C. O. D. to unknown parties. State if wanted shipped by express or freight.

Sole Manufacturers. Cleveland, Ohio
184-188 Champlain St.,

E. Konigsloew Stamping and Tool Works,

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

CYPRESS

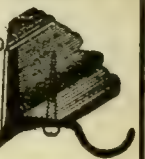
Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.



IMPROVED VAPORIZING PANS

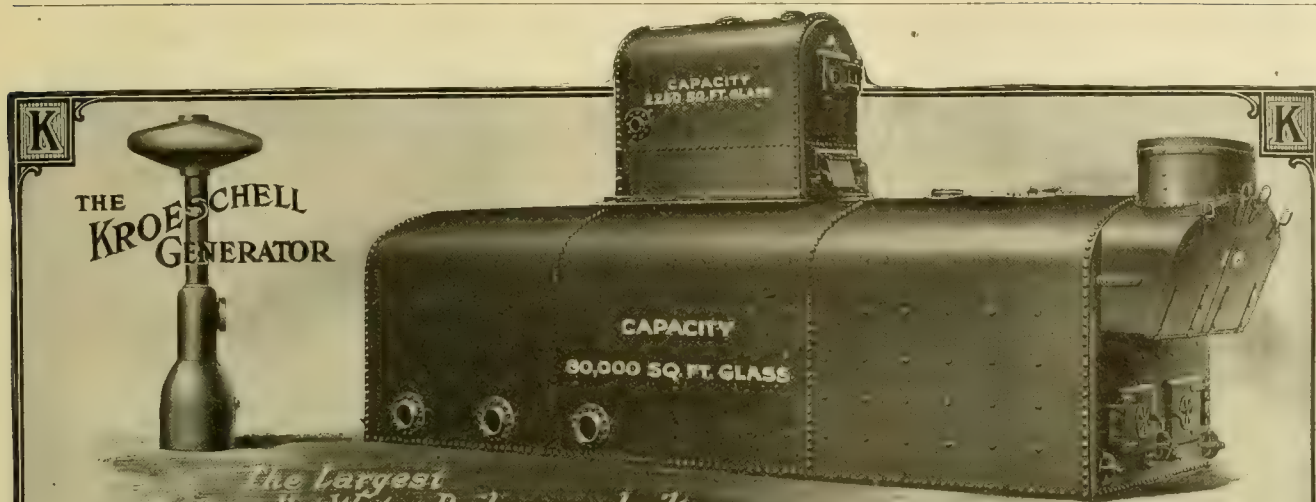
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING
APPARATUS**



*The Largest
Hot Water Boiler ever built*

IF YOU SHOULD VISIT the Works of Kroeschell Bros. Co., the manufacturers of the well-known "Kroeschell Boiler," you would be very much impressed with the large number of boilers finished on orders and ready for shipment. Recently there were sixty odd of these boilers finished awaiting shipment, with as many more under construction.

One of their latest models, the No. 16, was being shipped. This is claimed to be the largest hot water boiler ever built, having a capacity of 80,000 square feet of glass for carnations at zero.

The economy of a large single unit as compared with several smaller size boilers has proven to be very great, not alone in fuel consumption and the original cost of the boiler, but also in the way of labor in attending to the firing. Many concerns are installing one large Kroeschell Boiler to do the work of two or more smaller boilers, and the large sizes have become very popular, the Eastern demand being extremely heavy. Recently a number of these large sizes were shipped into the Northwestern territory, Vancouver, B. C. and neighborhood. They have a very large trade in these boilers in the cold northwest territory, where they are also used in heating Office Buildings, Hotels, Stores, etc.

The demand for smaller boilers than the No. 1 Kroeschell Boiler for small ranges, as well as for residences, has induced them to add to their list four smaller sizes, "A," "B," "C" and "D," ranging in capacity from 2,250 square feet of glass to 4,500 square feet of glass. They now build twenty-two sizes of their Hot Water Boiler, ranging in capacity from 2,250 to 80,000 square feet of glass, enabling them to furnish boilers for ranges of any conceivable size.

It is very interesting to note the great care that is taken by this firm in the selection of the material, the construction of the boilers, and the excellent workmanship put on all their work.

The demand for Kroeschell Boilers has been very heavy, and during the past four years, the Kroeschell Hot Water Greenhouse Boiler has been installed to heat over **9,000,000 SQUARE FEET OF GLASS**. This does not include the Kroeschell Steam Boilers, of which they also sold many, to be used in greenhouses.

Their records show sales very much in excess of last year at this time, and at the present rate their business will show an increase of fully fifty per cent over last year's sales.

"WHAT THE USERS SAY"

Your boiler is making summer heat up here, although we had 24° below zero. Am well satisfied with it also boiler tube riping system: it made a fine job.

The No. 4 Kroeschell boiler we purchased of you in 1909 is giving the very best of satisfaction, would wish no better. Your boiler replaced return tubular boiler which used one half more coal than the Kroeschell. Your boiler is so easy to regulate that in a few minutes I can run up the temperature by opening the drafts. The flues and returns are connected with Kroeschell generator and work the very best. We cannot give your boiler enough praise.

The No. 4 Kroeschell 1910 Model is heating 10,000 sq. ft. of glass—it would take care of 13,000 sq. ft. of glass easy. Have no trouble to keep temperature of 50° and 60° in coldest weather. Your boiler has given perfect satisfaction. We had two cast iron boilers, these boilers never did the work at their best even when the greenhouses were new. According to our experience with the Kroeschell it will save 20% to 25% of fuel.

HILD BROS., Lake Forest, Ill.

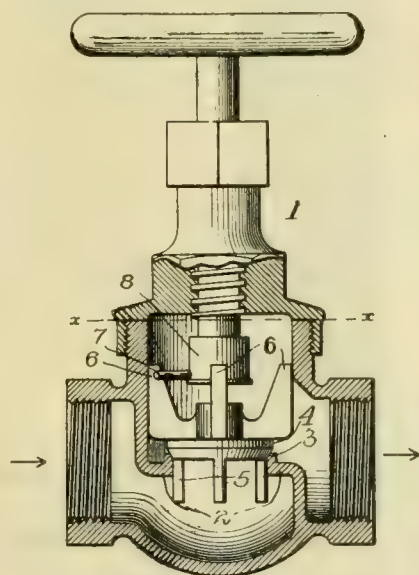
TAKE OUR ADVICE ON BOILERS. SEND FOR CATALOGUE.

KROESCHELL BROS. CO., 452 West Erie Street, Chicago, Ill.

Oyster Bay, N. Y.

The annual outing of the Nassau Co. Horticultural Society was held at the Inside Inn, August 4. It was a regular family affair, as nearly all the boys had their wives and children with them. All had a good time, and many went home carrying trophies won at the different sports. The dinner was excellent, plenty of everything and the bar being handy, nothing was missing. The principal winners were as follows: Ladies race, over 40, Mrs. Wilson and Mrs. Matz; under 40, Miss Highton and Mrs. Edward. Children's, over 10, Henrietta and Marie Addor. Under 10, Emily Everett. Boys over 10, G. and W. Wright; under 10, R. Wright and R. Johnson. Men over 40, J. Gilliar and Al. McKenzie under 40, E. Westlake and M. Schwarz. High jump, T. Heron and F. Finlawson. Stone throwing, A. McKenzie and H. McDonald. Broad jump, F. Gale and A. McKenzie. H. B. Jump, F. Gale and J. Ingram. Ladies' ball throwing, Mrs. Wilson. Hammer throwing, J. Ingram, Heron and McKenzie. Fat men's race, G. Wilson and G. Maynard. Ladies' race, Mrs. Elmslee. Tug of war, Oyster Bay (Glen Cove was too tired!) Kibs, Brown & Marshall.

O. E. A.



Save Money by Using

DAVIS' COMBINATION Check and Globe Valve

ON STEAM HEATING SYSTEMS

For use on pipes leading to boilers also from heating pipes to return pipe. Send for our price list and circular explaining how these valves are better than any check valve ever put on the market; also better than two valves, a check and a globe valve used together.

**A Great Improvement over the
Old Method.**

W. B. DAVIS, Aurora, Ill.

ST. PAUL, MINN.—Holm & Olson have about completed their range of eight new houses, seven of them 22x98 feet

and one corridor house 12x126 feet. Moninger material and Garland gutters.

THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Providence.

TRADE DULL.

There was a large amount of funeral design work at the different stores the first part of the week, but the business is back to its former condition again which is dull. Counter trade is no better than it was a month ago and it will be another month before we look for any change in this trade. If anything should turn up unexpectedly to cause a more brisk demand for cut flowers the market would be found decidedly short of first-class stock. It is almost impossible to get good carnations as those in the houses are exhausted or thrown out to make room for the young plants which are being housed now. There are no field carnations grown to cut from about here. The supply of asters is gradually increasing and some are coming in of a good quality and are the popular flower now. Sweet peas are poor but there are some good ones coming in from Massachusetts growers. Gladioli are quite abundant and a great many of the light colors are used up in funeral work. Roses are abundant enough to supply all demands. Some very good Kaiserins and Carnots are seen. Killarney, My Maryland and Richmond are only fair in quality. Orchids are not so plentiful but enough to satisfy all demands. The supply of lilies is very light. There is little demand for green goods. Hydrangeas, tritomas and larkspurs are used extensively in window decorations of the stores.

The employees of T. J. Johnston & Co., presented recently to Mr. and Mrs. Edward Brook, the managing owner of this firm, a very beautiful desk and typewriter with all equipment in honor of their recent wedding. Mrs. Brook was formerly Miss Edith Sims, the bookkeeper for this firm for the past year and is a very popular young lady. All connected with business extend to them their best wishes.

J. A. Budlong & Son, Auburn, gave 10,000 roses to the Society of the Rhode Island Branch of International Order of King's Daughters and Sons to be sold on the streets of this city for the benefit of the poor, sick and indigent children and tired mothers of the city's poorer quarters to enjoy a two weeks' rest to the Emily S. Chace Memorial Home at Oakland Beach.

The Citizens Saving Bank has discharged a \$5,000 mortgage against Thomas Curley and wife on their greenhouse property on Harkness and Slocum streets. This does not go to show business is limited with this firm as they do an immense business at landscape and floral work.

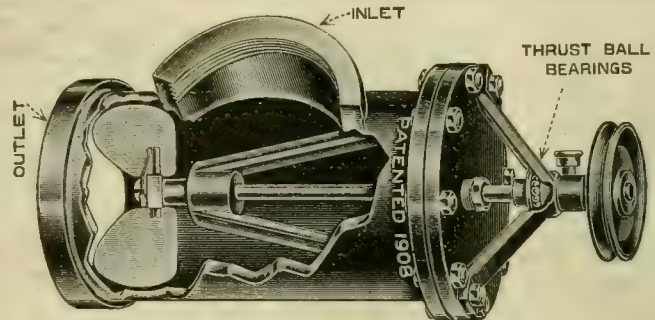
Frank O'Reilly, who has been in the florist business 40 years in Pawtucket, is now employed as a forester in that city.

Fred Luther has just purchased a 12-h. p. Maxwell runabout automobile.

Edward Murray, manager of Wm. Hay's wholesale cut flower market at 20 Clemence street, reports business very satisfactory for this season of

The "Ideal" Hot Water Circulator

THE "IDEAL" is the simplest and most efficient circulator on the market; requiring less power to operate than any other.



Sectional Cut of Improved Circulator No. 6.

Some Advantages of the "Ideal" Circulator.

- (1) Improves to perfection the circulation in hot water plants that are defective.
- (2) Enables present hot water systems to be extended to a very large extent without increasing the size of the pipes or the height of the circulating head.
- (3) Owing to the reduced size of the main piping required, it considerably reduces the first cost of installation.
- (4) Gives an even temperature in the pipes throughout the system.
- (5) Reduces the amount of radiating pipes required.
- (6) Enables smaller piping to be used.
- (7) Piping may be placed below boiler level as well as above.
- (8) Effects a large economy in cost of fuel.
- (9) Requires a very small amount of power to operate (1-10 of one horse power is sufficient, for 5,000 sq. ft. of heating surface).
- (10) Can be used as an auxiliary to gravity system, and does not impede the flow of same at times when forced circulation is not required.

For prices and further information, write to

A. E. CROWHURST,

Humber Bay P. O., Ontario, Can.

Pay and Buy

Coming in on the train this morning, as we whizzed by a bill board I just caught these words. "You can pay more, but you can't buy more."

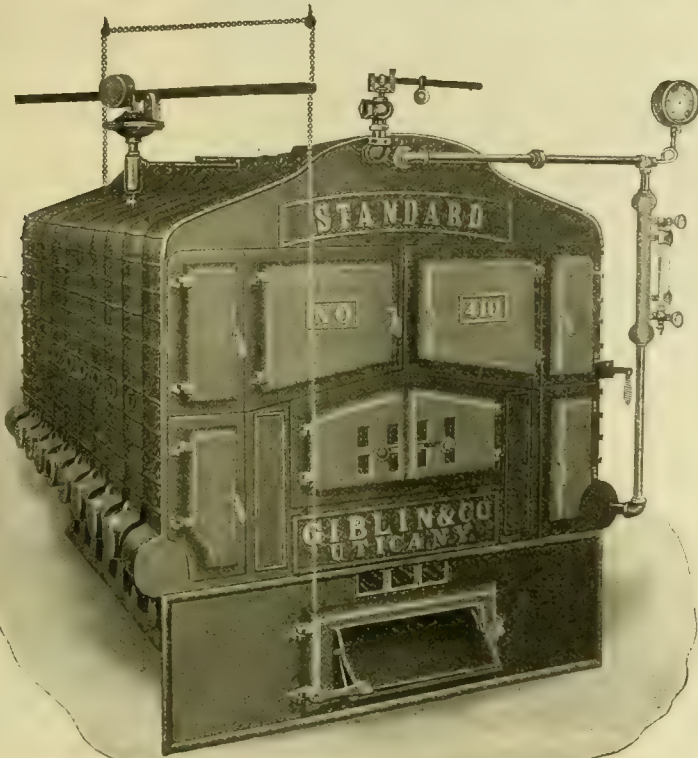
Don't know whether it referred to chewing gum or automobiles, but it at once flashed into my mind, what a perfect description that is of our Iron Frame house. Thought over detail after detail of its construction, and followed in my mind's eye how carefully each part is made at that big up-to-date factory of ours; then I began comparing the various houses, making the "just as good" claims; after this did a little mental arithmetic and found out how long our houses have been standing the racket, and I said, to myself, Yes, those nine words tell the "You story—can pay more but you can't buy more."

Drive a nail in that thought and clinch it so it can't get away; some day it will save you money.

Hitchings and Co., ELIZABETH, N. J.
NEW YORK, N. Y.

the year. Mr. Hay's market is the first legitimate wholesale store started here and undoubtedly will be a success.

SLEEP ALL NIGHT



and you need not fear about your plants or flowers spoiling

When the Giblin Standard Greenhouse Boiler is Used

It Runs From 8 to 12 Hours WITHOUT ATTENTION.

Does not this feature alone compel you to get interested?

Mr. Willis Greene, Little Falls, N. Y. writes recently and says: "I fire the boiler at 10 p. m. and it requires no further care until 6 a. m., even in the coldest weather." He uses a No. 406 steam boiler.

To introduce our boilers where not known, we will donate 25% of the net price as a premium on the first order. This will save from \$25.00 to \$200.00 according to the size.

We can name net price delivered, at any place in the United States.

Write us now for details of proposition and catalog.

Giblin & Co.,

UTICA, N. Y.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

J. B. Canning and wife are making an extended trip through Canada. They were in Montreal and Quebec for the past 10 days. Mr. Canning's son, John E., is in charge of the business.

M. Macnair & Sons are showing some very fine sweet peas, coming from Taunton, Mass., grown by M. Nolan. This firm has bought the entire crop for the season.

Edward O'Brien of T. J. Johnston & Co., with his wife, are spending their vacation at Bloomingdale, N. Y., with Mrs. O'Brien's folks.

Wm. A. Fisk of the W. E. Barrett Seed Co. has opened his summer residence, Redwood Cottage, at Prudence Park for the season. J. BRINTON.

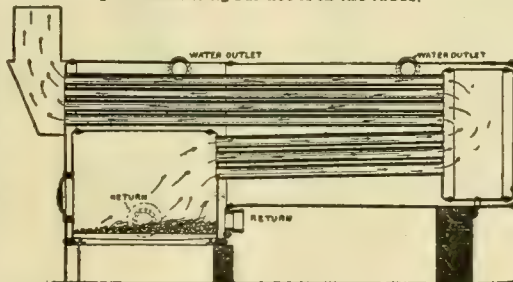
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers — names are yours for the asking.



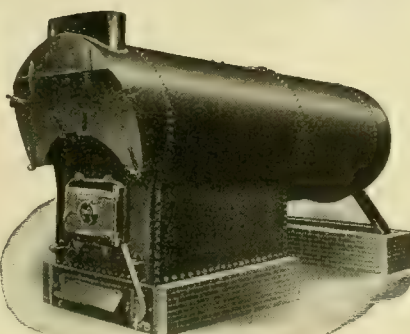
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.

DAYTON, OHIO.

Wired Toothpicks

10,000, \$1.75: 50,000, \$7.50. Manufactured by

W J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Mention the American Florist when writing

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in **Glass-ware, Pottery, Decorative Greens** and all **Florists' Requisites.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{4}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. BROOKLYN, N. Y.

Urbana-Champaign, Ill.

Although in the midst of the dull season all are being kept busy with funeral work, carnation benching and greenhouse repairs. For several days there was a scarcity of stock for funeral work, but now both indoor and outdoor asters are coming in, which will no doubt relieve the situation. Outdoor asters especially are in fine condition and a large crop is being looked forward to. So far we have had plenty of rain and hardy perennials and all other outdoor stock have made excellent growth.

A mid-summer farmers' institute will be held at the University of Illinois under the auspices of the College of Agriculture from August 16 to 19. A very interesting and instructive programme has been arranged for. Visitors will be conveyed over the grounds of the university and experiment station by the various departments, and all experiments of especial interest will be explained to them by those directly in charge of the work. Excursion rates have been granted from all points in Illinois, and it is estimated that from 4,000 to 6,000 agriculturists will take advantage of this opportunity and visit the home of the College of Agriculture and Agricultural Experiment Station.

The rose work at the Experiment Station greenhouses is well under way. All the plants are in a healthy condition and are growing vigorously. The sunken gardens are being admired by every one. A large circular bed of King Humbert cannas edged with Centaurea gymnocarpa is attracting a



Revere
GARDEN
HOSE

**LIGHT
STRONG
FLEXIBLE**

An indestructible moulded Hose for Lawn, Greenhouse, Stable, Garage. Of braided construction cannot unwrap, kink or burst like old-style wrapped duck construction. Made in continuous lengths up to 500 feet which gives you any length you want and avoids leaky couplings.

Manufactured By

REVERE RUBBER CO.
BOSTON, MASS.

Branches:

New York, Philadelphia, Pittsburgh, Chicago, Minneapolis, New Orleans, San Francisco.



Universal Sure Cut
Diamond Glass
Cutter

For inexperienced persons from \$3.00 up.

Diamond Glass Cutters

ESTABLISHED 1860

JOHN E. STEPHAN,

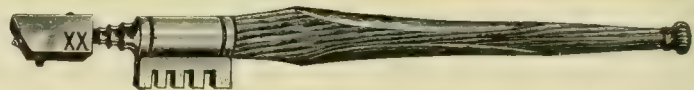
70 LaSalle Street, CHICAGO

ATTENTION
Hothouses = Greenhouses

**Cut Your Own Glass With a Perfect
Tool That Will Last a Lifetime.**

You will save time and breakage by using nothing but a perfect diamond glass cutter and will realize extreme satisfaction in the use of it as a time and money saver.

Let Us Have Your Inquiries Now.



Key Diamond Glass Cutter for experienced cutters, from \$3.50 up.

great deal of attention. No doubt this example of formal gardening will have a stimulating effect in the adornment of homes.

Thomas Franks & Son have not done all their planting. George reports that good help has been scarce all summer, and that he had difficulty in getting men to do the heavy work connected with carnation benching. He leaves for Wisconsin in a few days, where he expects to spend several weeks boating and fishing.

Dean Davenport is spending a few weeks on his farm in Michigan. Prof. Blair and family leave for northern Michigan Saturday, where they expect

to spend the remainder of the summer.

Gus. Johnson is making extensive improvements to his greenhouses. Last week he had quite a number of out of town orders for funeral work. He has finished benching his carnations.

R. B. Howe, who has been carrying on pomological investigations for the Department of Horticulture for several years, has accepted a position with the W. W. Barnard Co., Chicago, Ill.

J. F. Ammann of Edwardsville and Henry Johann of Collinsville were visitors at the experiment station greenhouses July 16 and 17. A. H. N.

We
 have a reputation
 for solving problems in
**Greenhouse
 Construction**
 having initiated most of the
 live and up-to-date ideas
 of the Last Decade

Our methods are scientific and bring
 the right results and are founded on
 much experience and a wide
 knowledge of construction
 Consult us and get our
 bulletins.

KING CONSTRUCTION CO.
 North Tonawanda, N. Y.

INSPECT

“GARLAND’S”

EXHIBIT

AT THE ROCHESTER CONVENTION

We are showing several new greenhouse appliances in addition to
 our already prominent line of greenhouse needs.

Some of the new ones are a model Trussed Iron Frame greenhouse
 equipped with our improved cast iron gutter, a soil conveyer, a greenhouse
 handy truck and the Garland Concrete Post Mould.

If you are not among the lucky ones to be present at this convention, write
 us direct for particulars pertaining to

“The House that will Stand the Racket”

It will pay you to investigate our construction before placing your
 orders elsewhere. All inquiries cheerfully answered.

GEO. M. GARLAND CO.
 Des Plaines, Ill.

GREENHOUSE MATERIAL



Hotbed Sash, Greenhouse Hardware and Posts

Write Us, if you wish to get sketches and estimates on material for modern, efficient and durable houses, at a moderate cost.

Louisiana Cypress

Washington Red Cedar

A. DIETSCH CO.,

2642 Sheffield Avenue,

CHICAGO

Newport, R. I.

The business for the next six weeks promises to be something unprecedented. The number of cottagers here is greater than for several seasons, and the arrival of the New York yacht club squadron will be followed by the opening of the National lawn tennis tournament at the Casino. The arrival of the United States Atlantic fleet with a number of entertainments planned for the officers and men is causing quite a lively business already. There are to be several elaborate dinners with extensive floral decorations. Functions of this kind are always numerous here during August. The stores are making great displays of herbaceous flowers, sweet peas and gladioli of which the variety America appears to be the favorite. Some good American Beauties, Richmond, Killarney and My Maryland roses are seen in the stores. Also lily of the valley of good quality.

NOTES.

The Horticultural Society will hold its Autumn exhibition of palms, decorative plants, cut flowers, dahlias fruit, etc., September 17-19. Daniel J. Coughlin, Bellevue avenue, is secretary. The society will hold a grand ball on the evening following the close of the show, September 20. And the following comprise the committee to take charge of arrangements: Andrew S. Meikle, William F. Smith, John Forbes, John B. Uquhart, and John T. Allen.

John P. Hammond was reappointed to a five-year term on the park commission by Acting Mayor William Shepley at the annual meeting of the commission. Mr. Hammond is a live practical gardener and he with Richard Gardner and Secretary H. W. H. Powell who will serve as assistants after their long experience in park management are sure to make their influence felt.

John P. Hammond, James J. Sullivan and Colin Robertson are appointed a committee to judge the school gardens.

John Hays, of Henry A. Dreer, Inc., with his family, are spending their vacation here.

J. BRINTON.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES

Adam Schillo Lumber Co.

Telephones:
Lincoln 410 and 411.

Hawthorne and Weed Sts., CHICAGO

Atlanta, Ga.

For the past week the weather has been very hot and sultry, driving the buying public to the seaside and mountain resorts, making business quiet, with just enough funerals to keep from throwing stock away. Flowers that pulled through the wet spell last month jumped into the oven this month. Stock is very good excepting carnations, which are poor in stem, flower and color. Good Kaiserin and Killarney roses are to be had now, also asters, which are coming good.

At Dahl's, West View, Atlanta, and Nunally's everything is about planted. On July 30 the councilmen, aldermen and

city officials were the guests of Mayor and Mrs. Maddox at their beautiful country home (Woodhaven), where they spent the afternoon amongst the flowers. The informal gardens and pergolas were the chief attractions and just at present they are at their best.

E. J. Grennor, landscape architect, is at present laying out a beautiful subdivision in one of the suburbs. G. L.

MINNEAPOLIS, MINN.—The Raddison Flower Shop is reported in difficulties and to have asked that a receiver in bankruptcy be appointed. The proprietors say that if allowed to remain for six months they can pay 50 cents on the dollar.

Because of our Superior Stock and Millwork Many of the
LARGEST GREENHOUSE RANGES

ARE BUILT WITH OUR

Louisiana Red Cypress Material

FOR WIDE HOUSES

Our Steel Trussed Roofs

Which do away with all purlin, and ridge pipe posts, is the construction for a modern up-to-date house. When ready let us figure with you.

Iron Fittings, Pipe. Steel Purlins, Glass, Putty, Hotbed Sash,
 Pecky Cypress, Ventilating Machinery.

FOLEY MANUFACTURING CO.,

Western Avenue and 26th Street, CHICAGO.

**WE MAKE A SPECIALTY OF
TAGS FOR FLOWERS**

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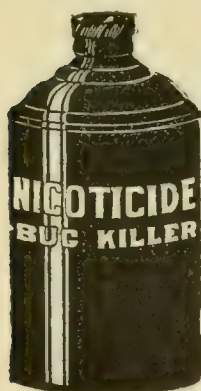
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Gallon.....	10.50
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BRAMPTON, ONT.—R. Jennings has an excellent patch of violets, and his Golden Glow chrysanthemums cannot be surpassed just at this time in this section.

The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

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The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

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All parts are made to gauge and may be had for repairs.

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For the Garden, Orchard and Greenhouse
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Kills Green Fly, Aphides, Bark Lice, Thrips Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

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See the Point
PEERLESS

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FULL SIZE
No. 2



AYLMER, QUE.—R. H. Wright is planting his carnations on the inside. He has about 25,000 asters which look extra good just now.

Plant Bed Cloth

Sold by Leading Seed Houses.

For Gardeners, Florists, Planters, Horticulturists. Best shade in summer. Protects from frost in fall and spring. Grows healthy plants. Three grades.

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Mention the American Florist when writing

green Flies and
Black ones too

are easy to kill with

The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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WORLD'S LARGEST MANUFACTURERS

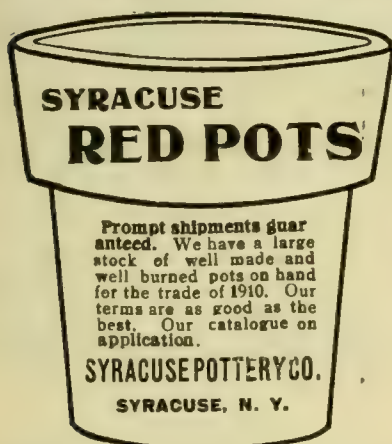
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Full size and wide bottoms.

BULB PANS and AZALEA POTS

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HARRY BALSLEY, Detroit, Mich.
Rep. 490 Howard St.

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Porosity and Strength
Unsurpassed.

Write for prices.

A. F. KOHR

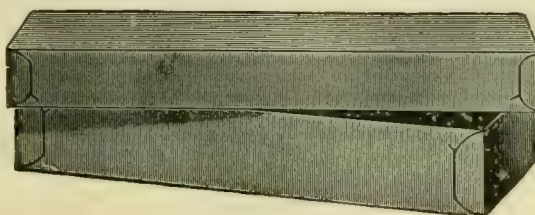
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LA CROSSE, WIS.—Henry A. Salzer and family are spending the summer in a cottage at Oconomowoc, Wis.

DOWS, IA.—Work has been commenced on the excavation for the Larson & Shaffer Greenhouse Co.'s plant, which will be erected on East Ellsworth street. The structure will be 40x90 feet, with basement, heating plant and other conveniences. Frank Larson, the senior member of the firm, is manager for the creamery at this place, and I. H. Shaffer, the junior member, was formerly in the nursery business at Grundy Center, and for the past six years has been a market gardener in this city.



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All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.



Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon Request.

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New Imported Florists' Baskets

Our line of baskets contains many absolutely new designs that have never been seen in this country. It is all freshly imported stock from Europe, and is the work of true artists. Let us send you a sample trial order. We know we can please you. Call and see us when in Chicago.

The Raedlein Basket Co., 713 Milwaukee Ave., Chicago
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Standard Flower Pots!

Packed in small crates, easy to handle

Price per crate	Price per crate
1500 2-in., in crate, \$4.88	144 6-in., in crate, \$3.16
1500 2½ " " 5.25	120 7 " " 4.20
1500 2½ " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	48 9-in., in crate, \$3.60
800 3½ " " 5.80	48 10 " " 4.80
500 4 " " 4.50	24 11 " " 3.60
456 4½ " " 5.24	24 12 " " 4.80
320 5 " " 4.51	12 14 " " 4.80
210 5½ " " 3.78	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.

or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

Mention the American Florist when writing



GEO. KELLER & SON,

Manufacturers of

Red Pots

Before buying write for prices

2614-2622 Herndon St.
CHICAGO.

Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

All The Clay

FOR OUR

Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO.

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KRIK'S Florist Novelties

Manufacturer and Patentee of The Only Genuine Immortelle Letters on the market.

Order at once.

CHAS. AUG. KRICK,
1164-66 Greene Ave.,
BROOKLYN, N. Y.

Every letter marked.

Mention the American Florist when writing

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

169 Lake Street, KENDALLVILLE, IND.

Tell Your Dealer You "Saw It in THE FLORIST."

Eagle Machine Works



Richmond, Ind.
Manufacturers of Ring Stakes
for small plants,
Richmond Carnation Supports.
Rose and Mum Stakes.

Milwaukee.

STOCK SCARCE.

Never, at any other time of the season, has stock been as scarce as at present. Gladioli are coming in small quantities and of fine quality. Carnations are practically off the market. Roses are in great demand. Harrisii lilies are coming in and bring a good price. There has been a shortage of light colored stock for funeral purposes. A few chrysanthemums have been brought in during the past week. Shipping has held up remarkably well.

NOTES.

The Florists' Club held a meeting August 4 and it was well attended. The annual picnic, flower show and the convention were the main topics discussed during the evening. F. H. Holton addressed the meeting in regard to the convention and expressed his regret that there were only 17 S. A. F. members in the state of Wisconsin and that out of these probably only 10 would attend. He stated he mailed 150 circular letters urging those he thought would be interested to attend the convention, and received only two replies. Mr. Holton said the society has done a great deal for the trade and concluded with "Wisconsin isn't doing her share." It was decided to hold the annual picnic the first Sunday in September at Boutzloffs' grove, on the north side, one block from the North Milwaukee car line. The members on the entertainment committee are: G. Rusch, G. H. Hunkel, F. H. Holton and William Zimmermann. The second annual flower show will be held at the Auditorium November 7-14 and prizes to the amount of \$3,500 will be awarded. The members on the committee are H. V. Hunkel, chairman, J. C. Heitmann, Nic. Zweifel, G. Kellner, C. Dallwig, A. Leidieger, Wm. Zimmermann and C. C. Pollworth. Refreshments were served and we wish to thank the club for its kind hospitality on the occasion of our visit.

Holton & Hunkel, 462 Milwaukee street, are remodeling their store. The office will be moved to rear, and new counters put in. Two new ice boxes are being built, one in the store and another under the walk in front of the building. The box in the store will be 8x23 feet and the other 6x30 feet; both are made of hard pine. Other new fixtures will be added and the store arranged to suit every convenience. The counters will be put crossways, this being more favorable for working purposes. Eight new greenhouses, 29x100 feet each, are being erected. Mr. Hunkel is looking after the work. The material was purchased from the J. C. Moninger Co., Chicago. The houses are of iron and concrete; cement walks will also be laid. George Keene, brother of the well known St. Louis manufacturer, has charge of the wire department at the store. S. Rusch returned August 1 from his vacation, which was spent at Fox Lake. F. H. Holton is spending a few days of the present week at Chicago.

C. C. Pollworth Co., 454 East Water street, has enjoyed a good season and the bulk of the business exceeded that of former years. C. C. Pollworth and wife will attend the S. A. F. convention and visit several other cities while in the east. The company makes a specialty of growing flowering plants for

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand

Pulverized Sheep Manure



The Ideal
Plant Food
for Florists.

Write to
day for
Prices and
Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.

the holiday trade, and after the holidays room is made for the bedding stock. The men have just finished planting the roses and carnations. Walter Holiday returned home August 1 from his vacation, which was spent at Mount Clemens, Mich. Tom Cassidy and Frank Boyer are enjoying their vacation fishing among the lakes.

W. C. Zimmermann, 432 Grand avenue, will remodel his store. A balcony will be put in and the office moved upstairs. A new ice box will also be installed. Miss Zimmermann is spending her vacation at Pewaukee, where she is staying at the Lake Side hotel. Mr. Zimmermann will spend his vacation at St. Louis and expects to leave about August 22. An extended lease has been secured on the store.

J. M. Fox & Son, 414 Milwaukee street, do nearly all the work for the Milwaukee Country and Fox Point clubs, which consists mostly of table decorations. On July 24, a casket cover in the shape of a blanket, made of lily of the valley and orchids, was delivered at Menominee, Mich., where the funeral of Mrs. J. W. Wells, the wife of the well known lumber man, was held.

J. Davis and wife of the McKenny Floral Co., 417 Milwaukee street, are spending their vacation in the west. This firm decorated the Pillsbury home on Prospect avenue, where the Pillsbury-Curtis wedding took place on August 2. The decorations were in pink and white. Killarney roses, lily of the valley, gladioli and asparagus were used in the decorations.

The Flora-Bon, corner of Third street and Grand avenue, opened up August 1 and has enjoyed a good week of business. The store is centrally located in the center of the business district. Anna Thierfeldt, formerly with A. B. Loofbourow, 376 Grove street, has charge of the flower department.

Nic. Zweifel has finished planting. He grows mostly carnations and has put in 50,000 plants. Mr. Zweifel reports having had a very good season. His Bright Spot has shown up very well this season and he is preparing to disseminate this next year.

J. P. Sharer, formerly member of the board of public works, bought the James Chacona store at 87 Wisconsin street and took possession August 1.

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR
Vines,
Tomatoes,
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Plants,
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**PERFECT
PLANT FOODS**
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Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
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64-66 Wabash Ave., Chicago.

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Lock the door before the horse is stolen,
and insure your glass before it is broken.

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JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

M. H. Moore, manager of the Wisconsin Floral Co., 122 Grand avenue, is spending his vacation at North lake. Mrs. F. E. Ennison took charge of the store herself during Mr. Moore's absence. Miss Gladys Ennison spent the past week in Chicago.

Heitman & Baermann, Fifty-eighth street and North avenue, are busy planting; 25,000 carnation plants are being put in the houses. Mr. Heitman stated their specialty was growing bulbs and about 150,000 are grown every year.

The following will attend the convention at Rochester: C. C. Pollworth and wife, H. W. Koerner, Nic. Zweifel, G. Mueller and F. H. Holton.

Edlefsen & Leidiger Co., 349 Third street, have had a very busy season. Miss Semler is spending her vacation in the east.

Mueller & Schroeder Co., the well known carnation growers, have finished planting.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, AUGUST 20, 1910.

No. 1159

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.;
RICHARD VINCENT, JR., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.

Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

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THE ROCHESTER CONVENTION

Next Convention at Baltimore, Md.

OFFICERS FOR 1911:

President, Geo. Asmus, Chicago.
Vice-Pres., R. Vincent, Jr., Baltimore, Md.

Secretary, H. B. Dörner, Urbana, Ill.
Treasurer, W. F. Kasting, Buffalo, N. Y.

Convention Proceedings.

The twenty-sixth annual meeting of the Society of American Florists was called to order by Fred W. Vick, chairman of the executive committee for the convention, and president of the Rochester Florists' Association, promptly on time at 2 o'clock on Tuesday afternoon, August 16, 1910. This and subsequent business sessions of the convention were held at the convention hall in Rochester, which was also the headquarters for the exhibitors; their display being very elaborate and tasteful. Mr. Vick introduced his honor, Mayor H. H. Edgerton, who welcomed the convention to Rochester, and said that its citizens were proud of the florists and proud of their own name of "The Flower City." In extending the freedom of the city he hoped that all would so enjoy the occasion as to wish to come again and come often.

Mr. Vick next introduced George Dietrich, president of the Rochester chamber of commerce, who spoke of the good city government enjoyed by Rochester, and referred to its diversified industries and number of homes, all of which would be found to boast of lawns and flowers. He congratulated the Rochester florists upon the successful growing by them of new varieties and their trial grounds which developed the best that could be grown in the climate of this locality. He briefly outlined the progress of the city in its progress from flour to flowers, its first cognomen being the "Flour City," which later developed to the "Flower City," and added his emphasis to the welcome voiced by the mayor.

Mr. Robt. Craig, of Philadelphia, responded to the addresses of welcome, and complimented Rochester on its

ability to take care of large bodies of men assembled in conventions. It is the only city, so far as Mr. Craig knew, that has adopted for its civic emblem a flower, the delight of the florist. Mr. Craig feelingly referred to the life and labors of George Ellwanger, Patrick Barry, Jas. Vick, and a host of others whose careers of usefulness are familiar to all florists, and whose work has done so much to make Rochester famous as a horticultural center. The cordial greeting extended, he declared, was warmly reciprocated, and the visitors were glad to be in Rochester and proposed to make the most of their visit. They had brought with them a few examples of the plant grower's art which would doubtless interest the people of Rochester. He said in conclusion that there was a growing sentiment he thought in favor of the spring season for a convention and exhibition because at that season shrubs and plants are seen at their best. He hoped that the beauty of the exhibition at this time might prove some compensation for the kindly welcome that had been accorded to the visitors.

Mayor Edgerton asked permission to say yet a further word about the business enterprises of Rochester, which privilege was willingly extended by President Pierson, and the mayor told of the goodly coin of the realm that flows into Rochester all the time, whether business is good or bad elsewhere, by reason of such industries as the photographic supply people, that furnish 95 per cent of the photographic goods sold in the entire country; the largest optical factory in the world located here, and so on.

Patrick O'Mara, of New York, obtaining the floor, made a neat speech

presenting to President Pierson a beautiful ivory gavel, with trimmings, a gift from the Rochester Florists' Association. Mr. O'Mara felicitated President Pierson upon the efficient work that he has already accomplished, and suggested that he show no favors to the donors when he had occasion to use the gavel, and, however he might wield it, he felt sure he would never prove to be a "knocker," but when he finally, in the course of events, turned the office over to another he would leave a record that few could equal and none surpass.

Executive Business.

President Pierson, in accepting the gavel, returned his acknowledgments to the Rochester Florists' Association. He assured his hearers that the gift was none the less acceptable and appreciated, because it had been unlooked for. The president's address followed, and reports by Secretary H. B. Dorner, of Urbana, Ill., and Treasurer Wm. F. Kasting, of Buffalo, N. Y., the financial portions of which were referred to the auditing committee: C. L. Washburn, C. G. Miller and Jos. Heacock.

The minutes of the meetings of the executive board were read and approved, and their recommendations concurred in at this time, with the exception of action upon the appropriation for the National Council of Horticulture, which was made a special order for Wednesday morning's session. The following were appointed as committee on vice-president's reports: W. B. Du Rie, Frank Traendly, Benj. Hammond. In the absence of the official entomologist of the society, Dr. S. A. Forbes, his report was read by Prof. J. J. Davis, and duly filed.

Prof. H. H. Whetzel, pathologist for the society, was introduced to the convention, and announced that he would locate himself in the exhibition hall and desired to meet there all members who had troubles to report, as he sought to learn all he could of the to disease conditions in horticulture, problems that confront the florists as with a view to finding a remedy wherever possible. He promised to have something further to communicate on Wednesday regarding his plan of work.

John Westcott, chairman of the committee on convention sports, told something of the work of that committee, and its belief that the furnishing of laudable sports was an incentive to many to attend the meetings that might otherwise remain at home absorbed in their usual routine duties. He promised that absolutely fair play should prevail in all awards, and none but amateurs and strictly members in good standing of the S. A. F. would be permitted to compete.

Mr. O'Mara, chairman of the tariff and legislative committee, made a report of an interesting character embodying a voluminous correspondence showing conditions surrounding the glass industry as affecting the florists, and other matters. The report was received and filed, and discussion of it postponed until later on. Further reports were deferred, and the convention adjourned to 9:30 a. m. Wednesday.



RICHARD VINCENT, JR.

Vice-President-Elect Society of American Florists.

Wednesday's Proceedings.

The first business at the Wednesday morning session was the reading of invitations from Ellwanger & Barry to visit their nurseries during the convention or while members were at Rochester; there was also an invitation from Mrs. F. F. Thompson, through R. E. Ballantyne, to visit her private estate, "Sonnenberg," at Canandaigua, N. Y.

Secretary Dorner announced that the total enrollment of new members up to last night, August 16, was 180, and the present membership 1,067, as against total membership of 995 on the last day of December, 1909. Edward D. Boyer, cement expert for the Atlas Portland Cement Co., delivered a very timely and interesting paper on the "Use of Cement with Special Reference to Greenhouse Construction." This address touched a popular want and drew out a lengthy discussion in which the following participated: Messrs. Peterson, Cushman, Christy, Farenwald, Dunlop, Freeman, Birnie, Holton, Curtis, Peck, Cowell, Whetzel, Weber, Barry, Hammond, Pierson, Hill, Winterich, Elliott and Poehlmann. Some of the inquiries had reference to the possibility of using ashes without sand for making cement for benches, one member reporting favorable results with such material. One member had been told he might expect fungi from ce-

ment but the essayist and Prof. Whetzel assured him such an apprehension was entirely groundless. The entire discussion showed that the topic was a very live one, and will probably continue to be. A vote of thanks was extended to Mr. Boyer.

Next Year's Meeting Place.

Invitations were read from various cities to hold the 1911 convention in their precincts, and finally after some spirited flights of oratory, the cities of Baltimore and Chicago were placed in nomination and voted upon. N. F. Flitton made the principal speech for Baltimore, and was supported by Past Presidents William R. Smith, R. Vincent, Jr., O'Mara and Freeman. August Poehlmann nominated Chicago and was supported by J. C. Vaughan and J. Bertermann. John Dunlop nominated Montreal and made a plea for it, if not now, later on. J. A. Valentine demanded to be shown what the facilities of the two cities were with respect to exhibition space and other accommodations, and was given the information. On motion of W. A. Manda the nominations closed; Messrs. Vincent and Ammann were appointed tellers, and, the ballot being cast, resulted in 180 for Baltimore, and 135 for Chicago. The contest was evidence, if it were needed, that the society is in a healthy condition, and the contesting cities very desirous to get the meetings.



GEORGE ASMUS.

President-Elect Society of American Florists.

The convention then adjourned until 2:30 and upon reconvening the report of the auditing committee was read, pronouncing the books and accounts of the secretary and the treasurer correct. The report was accepted and filed. The report of the committee on vice presidents' reports was read by W. B. Du Rie and filed.

Prof. Whetzel, the official pathologist of the society, of Cornell University, Ithaca, N. Y., spoke briefly, promising to file a formal report later, outlining his plan for co-operation by the society in work along lines of investigation and research for remedies for diseases of plants affecting the florists. He said that his plan if accepted by the society would involve an expenditure of \$1,500 annually, and he believed that practical results might be expected from it. No formal action was taken.

National Council of Horticulture.

J. Otto Thilow submitted the report of the delegates to the National Council of Horticulture, recounting the valuable work done. The report was received and filed. Separate action was had upon the recommendation of the executive board to make an appropriation of \$150 towards the work of the National Council of Horticulture. Mr. O'Mara opposed this recommendation, stating his reasons therefor. E. G. Hill had heard that the statement had

been made that in one article appearing the recommendation was made that 16 gladiolus bulbs be planted to the square foot, but he believed that it must have been a typographical error. He made some suggestions for the securing of a higher grade class of articles that would be less amateurish but believed that the appropriation should be voted. W. J. Stewart opposed the appropriation for reasons similar to those he had put forth last year at Cincinnati. J. C. Vaughan believed that the articles printed at the instigation of the National Council of Horticulture had been productive of much good to the trade generally, and advocated the continued support of the work of the council in this regard. Mr. Manda opposed the appropriation on the ground that the work, if done, should be done under the direction of the S. A. F. exclusively. J. K. Farquhar denied that the gladiolus recommendation referred to was a typographical error, giving reasons, and thought the articles were not of sufficient merit and value to warrant the expense. The motion to make the appropriation was lost by a rising vote of 31 ayes and 44 nays.

The following were announced as a committee on president's address: J. A. Valentine, Robert Craig, E. G. Hill, Wm. R. Smith, and J. C. Vaughan, and the committee submitted its report, which was received and filed. The

vote for convention city being announced at this time, J. C. Vaughan moved that the selection of Baltimore be made unanimous, which was agreed to and Mr. Flitton, on behalf of the Baltimore people, returned his thanks for this proof of the breadth and greatness of Chicago, declaring that it was a big city in every way.

Under the head of nomination of officers, Mr. O'Mara presented the name of Geo. Asmus, of Chicago, for president, and the same was unanimously ratified and agreed to, the nomination being seconded by R. Craig, also by B. Hammond and P. Foley. The name of Richard A. Vincent, Jr., of White Marsh, Md., was presented for vice-president by Mr. Harrison, and unanimously agreed to. W. F. Kasting nominated for re-election Secretary H. B. Dornier, of Urbana, Ill., which was supported by Mr. Valentine and W. W. Coles, and unanimously agreed to. Mr. O'Mara presented the name of Wm. F. Kasting for re-election as treasurer and this was seconded by Mr. Hammond and unanimously agreed to. All nominations were laid over under the rules until the next day, when election will take place at 11 a. m. The report of the committee on trade exhibits was read by the secretary and accepted as read, after which an adjournment was taken to 8 p. m.

George Asmus.

George Asmus, president-elect of the Society of American Florists, who is now serving his second term as president of the Chicago Florists' Club, was appointed a member of the executive committee of the Society of American Florists in 1908 by President Traendley. He was born at Buffalo, N. Y., January 24, 1872, where he received his education at the public schools and graduated in the spring of 1887. His first connection with the business was in his native city, a position with Wm. Scott as errand boy. Here he remained 10 years, gradually working himself into a position of trust. In 1896 he accepted the position of manager to Schiller the Florist (Herman Schiller, proprietor) at Chicago. At that time there was considerable glass in connection with the business but owing to the rapid increase of the retail end of it at the two stores, it was decided to sell this. Mr. Schiller died in 1902 and in 1905 Mr. Asmus was made part owner of the business, still retaining his position as manager. Although a large business when Mr. Asmus took hold, it has more than tripled itself since.

Mr. Asmus is well known as a popular club man and his genial presence is always looked for at meetings and conventions of the many societies of which he is a member. He has managed several shows of the Horticultural Society of Chicago. He is a life member of the Society of American Florists and a regular attendant at the conventions. In 1905 he was chairman of the committee on sports at Dayton, O. He is also a member of the Chrysanthemum Society of America, the American Rose Society and the American Carnation Society. Outside of the trade he is an advanced Mason and also a member of the Odd Fellows, Royal Arcanum and the Modern Woodmen of America.

William F. Kasting.

Wm. F. Kasting, treasurer of the Society of American Florists, was born July 27, 1870, at Sachsenhausen, Germany, whence he came as a boy to America. For 20 years he has been engaged in floriculture. The first eight years were devoted to greenhouse work in Buffalo, Cleveland, Erie, Pa., Steubenville, O., and Buffalo again. After working for D. B. Long, Buffalo, for three years, Mr. Kasting bought his employer's wholesale business. As park commissioner for Buffalo he did excellent work; and two years ago ran 4,000 votes ahead of his ticket in an unsuccessful contest for the county treasurership. Mr. Kasting successively filled the offices of financial secretary, treasurer and president of the Buffalo Florists' Club. He also has held the office of vice-president of the American Carnation Society and of the Society of American Florists. At the Buffalo conventions of each of these organizations Mr. Kasting served energetically as chairman of the ways and means committees.

President Pierson's Address.

It gives me great pleasure to address you on this occasion—our twenty-sixth annual convention. This convention marks the beginning of the second quarter century in our history. It is very fitting that Rochester, the flower city, should have been chosen for this convention, for no city in the United States has done more to in-

culcate the love of horticulture among our people than has Rochester. This city was the cradle of the seed and nursery business of the United States, and has a world-wide reputation for its love of flowers and the beautiful.

WILL WE AFFILIATE?

To my mind, one of the most important objects to be accomplished at this time is the incorporation or consolidation of the various societies devoted to special lines of ornamental horticulture into one homogeneous, harmonious whole. By this I do not mean that the different societies, such as the Carnation Society, the Rose Society, and the other kindred organizations, should lose their individuality or identity, but that, instead of being separate organizations, they should become sections of the national society, each devoted to its own individual interest, but incorporated into one powerful organization. This is the day of concentration, and now, it seems to me, is the psychological moment for the unification of the different horticultural interests.

You may ask how this is to be done; and it is a pertinent question. As my friend Patrick O'Mara, has expressed it, "We need a Moses to lead us out of the wilderness into the promised land." If I remember correctly, this promised land flowed with milk and honey; so it would seem as if the object to be attained was worth striving for. I do not want you to mistake me as expecting to be the "Moses" to lead you out

of the wilderness of the numerous and varied interests represented by the different horticultural societies.

This subject has been uppermost in all our minds for years, and the question of affiliation has been threshed out, and it seems to me as if we might accomplish in a concrete and practical form, what we have been theorizing about for years, in the mid-winter convention, which it is now proposed to hold in connection with the National Flower Show, to be held in Boston next spring, the executive board having recommended that a special meeting of the society be held during the time of the National Flower Show; and I sincerely hope that this recommendation will meet with your approval and be adopted—especially in view of the fact that the American Carnation Society has already fixed that date for holding its annual convention, and the American Rose Society has also agreed upon that date for holding its annual convention, and, I trust, we may have the co-operation of all the other societies as well. This is directly in line with what I have in mind at this time as a desirability. In other words, I believe that, instead of having a convention of the Carnation Society in January, a convention of the Rose Society in March, and a meeting of the Sweet Pea Society in the summer, it would be better if these different meetings were held at one time under the auspices of the Society of American Florists.

DON'T CHANGE HASTILY.

This would afford us an opportunity to test the desirability and advisability of such a mid-winter convention before committing ourselves definitely to any change of plan. There are a great many arguments that can be advanced in favor of the summer convention, such as we have always held, and there are other arguments in favor of the mid-winter convention. There are some who advocate doing away entirely with the summer convention of the society and substituting a mid-winter convention; but at this time I should not want to advocate so radical a change. The secretary was directed to send each member of the society an inquiry as to whether he would find it more desirable or convenient to attend a summer meeting or a meeting during some month in the spring; so we shall soon have this information available. I do not know why it would not be advantageous for the national society to hold a semi-annual convention instead of an annual convention, as in the past. The summer convention has its advantages for plant exhibits, but gives no opportunity for an exhibition of cut flowers practically of any kind.

SEMI-ANNUAL MEETINGS.

Last year, at Cincinnati, there was some considerable discussion as to the desirability of making our exhibitions of such a character as to interest the general public, but on account of lack of room at Rochester, there being such a demand for space by exhibitors, it was found impossible to carry out that suggestion at this time. There is no doubt but the general public is very much interested in our conventions, and it is very desirable that our exhibits should be of such a character as to interest the public, and help floriculture generally in the different cities

**W. F. KASTING.**

Treasurer Society of American Florists.

where we gather from time to time. A mid-winter convention would offer a magnificent opportunity for this purpose, and I believe that the coming National Flower Show will demonstrate the desirability of a mid-winter meeting,—possibly not on such an elaborate or extensive a scale as will be attempted in Boston next year, but along those general lines. I do not see why our interests are not of enough importance to justify these semi-annual gatherings. It certainly would require no less of an outlay of both time and money to attend the consolidated semi-annual meeting than to attend all the various smaller meetings.

An exhibition in mid-winter would also interest the retail section, as it would afford a splendid opportunity to the retailer to show what can be done in artistic arrangements, and would give him an excellent opportunity of reaching the public in the most effective way. I was particularly pleased to have President Valentine organize a retail section last year. I believe it will conserve the interests of the large number of men who buy and dispose of the products of the growers, and will be productive of great good to the retailer and grower.

If an affiliation can be accomplished, I would suggest the desirability of having the secretary of the national society also the secretary of all the affiliated societies. I think this would tend to greater efficiency and economy. I would also suggest that the presidents of all the affiliated societies be made members of the board of directors, thus giving each society a voice in the management of the affairs of the national organization.

THE OFFICE OF SECRETARY.

Along these lines, it might be apropos for me to mention what I have had in mind for a long time, and that is that our interests are large enough and important enough to justify the employment of a secretary who shall devote his entire time to the advancement of the interests of our society. Our presidents are appointed for only one year, so that it would be desirable to have one executive officer whose term of office should be more or less continuous. We are to have submitted to us at this time an amendment to the constitution relative to the election of a board of directors. I am firmly of the opinion that we would more nearly follow out our ideas of a democratic form of government by the election, rather than by the appointment, of directors; in fact, I believe that the offices of the president, vice-president, and directors should all be elective, and that the office of the secretary, and possibly of the treasurer, should be appointive. So far as the treasurer is concerned, I am not so insistent that his should be an appointive office, but I believe that the secretary should be appointed by the board of directors, and that his tenure of office should not be subject to any uncertainty, as long as he does his work well, and satisfactorily to the board of directors. Constituted as we are as a society, it is desirable that some one should occupy this office who is familiar with the situation and who can give it his entire time and attention. I believe that the extra expense

involved would be money well invested.

You may ask what there is to do that requires a man's entire time. Our committees as now constituted, with one man in one city and another in another city, are unwieldy and unworkable, and are too far apart to do effective work. Those who have served on these committees will bear me out in this statement. Take, for instance, the question of legislation alone. It is becoming necessary that there should be some check upon the various bills that are introduced both in congress and in the state legislatures, many of which in the form in which they are introduced are inimical to our interests. There is also the question of the regulation of express rates, tariff, and other matters requiring constant attention and supervision.

MEMBERSHIP.

Another matter to which more attention should be given is an increase in the membership of our society. This has been talked of often before, by many presidents who have preceded me; and, while a great deal has been accomplished in the past by those who have occupied this office, we all admit that we do not have as many members in our society as we should have. There are a great many who do not fully realize what a great benefit the Society of American Florists really is,

and what good a society of earnest workers can accomplish with the proper support. I believe it is the duty of every man in the business to belong to our national organization.

In regard to the recommendation of the executive committee fixing the life membership fee at \$50 I expressed myself at length on this subject at the last convention. I believe that \$50 is none too much for a life membership in our national organization. Many local clubs and smaller societies charge as much as this, or more. The right way to succeed is not to cheapen the life membership, but to increase the value of the organization, so that a man will be willing to pay almost any price for membership in the society.

Further, I believe that the annual dues might well be increased from \$3 to \$5. It seems to me that \$5 is little enough for a membership in our society. Now, every member attending a convention gets more than five dollars' worth of entertainment alone, to say nothing about the other benefits derived therefrom. A member of the society who pays his annual dues of \$5 for 10 years consecutively might be made a life member, and the payment of further dues cease. I think that an inducement such as this would prevent a great many from allowing their membership to lapse, as has been the case frequently in the past.

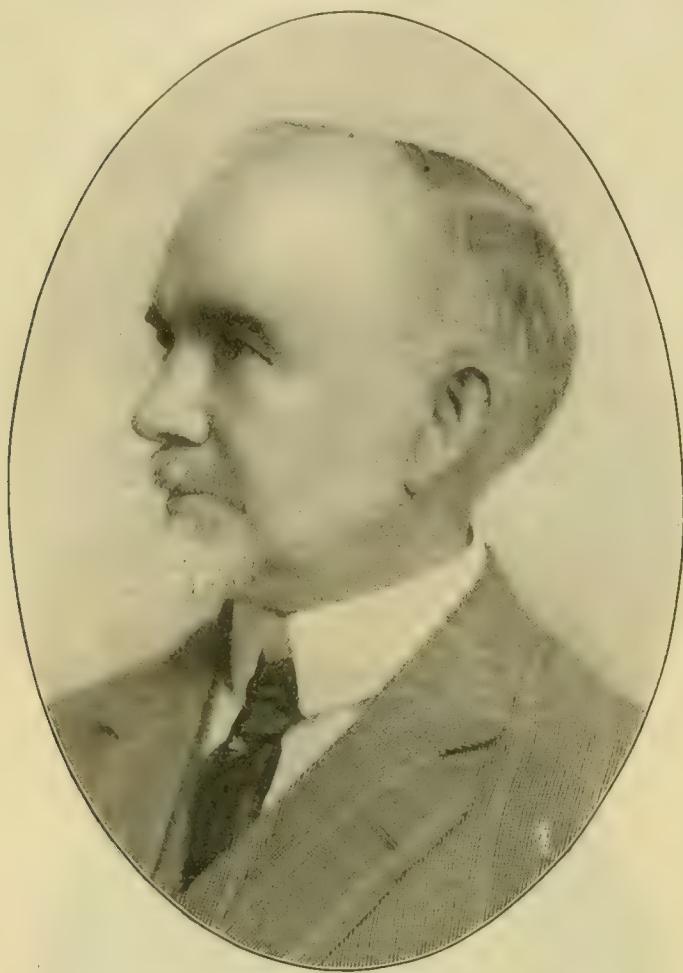


H. B. DORNER.

Secretary Society of American Florists.

I would also recommend for your consideration that any member of the society, to be eligible to the presidency, should have first served on the board of directors. My reason for this is because such a man elected to the presidency would have familiarized himself with the detail work of the so-

be offered. There is no place in the country where such a magnificent collection of plants can be collected as in the vicinity of Boston; and I ask the hearty support of every member of the national organization to make this exhibition a red letter day in the annals of horticulture in this country.



F. R. PIERSON.

President Society of American Florists.

ciety, and, consequently, be better equipped to act as the chief executive officer of the society.

THE NATIONAL FLOWER SHOW.

I wish to call the attention of the members to the most important event of the year, namely, the organization of the National Flower Show, which is to be held in Boston next spring. A guarantee fund of over \$10,000 has been raised, Mechanics hall—the finest hall in the city of Boston—has been leased, and a manager and secretary engaged; and everything points to a successful show. The first National Flower Show was a great success, but the second, which is to be held in Boston next spring, is the most ambitious project that has ever been attempted in this country; and I believe that every live florist should endeavor to attend this exhibition, as it undoubtedly will be the finest one of flowering plants that has ever been gathered together in the United States at one time. No effort will be spared to make this a magnificent exhibition. Premiums aggregating over \$10,000 will

I have to congratulate the society on the splendid exhibition in Convention hall at this time. The value of these trade exhibits to the society cannot be over-estimated, as they are of great educational, as well as financial, benefit.

I want to express to the chamber of commerce of the city of Rochester at this time, on behalf of the Society of American Florists, our appreciation of the magnificent building which has been tendered to the society without cost. I think you will all agree with me that we have never had finer facilities at any of our conventions. I wish, also, to congratulate the society on the splendid attendance at this convention. The vice-presidents should be commended for the splendid work that they have done in bringing here such a large representation as we see today.

In conclusion, let me urge every member of the society to feel that our future success depends not so much upon the officers elected from time to time, as upon the individual effort of

each member. Looking back over the last 25 years of horticulture in this country, one cannot help but feel proud of the progress that has been made in our profession; and amidst such auspicious surroundings as we find ourselves today, we should be inspired to greater effort, that the history of the next quarter century may record even greater progress.

Secretary Dorner's Report.

The books and other properties pertaining to the secretary's office were turned over by the outgoing secretary early in January. Much commendation is due Mr. Rudd for the excellent and simple system that he has devised for the keeping of accounts and records. It is only by a careful examination of these that one can fully appreciate the thought and labor put into the work.

CONDITION OF FINANCES.

The finances of the society are steadily improving. The permanent or life membership fund August 1 had reached the sum of \$8,313.50 and to this amount will be added \$125 for five new life memberships which have been received since that date.

It is also gratifying to note that the membership is also gradually increasing. In 1908 the membership of the society was 889 at the end of the year. In 1909 this had increased to 995. Up to August 10, 1910, the paid up memberships number 825 which, with those who pay their dues during the convention week and the new members joining at this time, promise to surpass all records.

NEW MEMBERS.

The number of new members added to the roll to date is 77. Four of these came in as life members. The secretary sent out, with most of the receipts, a request that each member make an effort to secure at least one new member. In reply to this four or five names were sent in. Few realize that if each member made an effort and secured at least one addition to the roll the membership would be almost 2,000 at the present time instead of 995. Many plans have been devised for increasing our numbers yet how many members have made a determined effort to convince their neighbors that they should belong to the S. A. F.

Many members overlook the fact that dues are payable on the first day of January and a failure to pay them at this time calls for a second notice. This is not only additional work for the secretary but is an extra expense to the society. This money could be well used in efforts to secure new members.

TRADE EXHIBITIONS.

The trade exhibition of 1909 was a success in every way, being a great improvement over former exhibitions. After all bills and the superintendent's commission were paid a profit of \$629.15 remained in the society's treasury. During the present year several changes were made in the rules governing the exhibition, principal among which were the increasing of the rates and the limiting of all signs to black lettering upon a white ground. This latter change has done much to make the exhibition more attractive.

Following the instructions of the society \$7,500 of the permanent fund has

been invested by the executive board. This investment is in the form of two loans, one of \$6,000 and the other of \$1,500, secured by mortgages on properties located in Fort Wayne, Ind. These securities bear interest at 5 per cent.

Application for reduced rates to the 1910 convention were made by all traffic associations and were met by the granting of a rate of one and three-fifths on the certificate plan by the Trunk Line association, the New England association, the Central association and the Eastern Canadian association. This rate was the lowest that could be secured under the present conditions. As usual, a charge of 25 cents is made for the vising of each certificate.

STATE VICE-PRESIDENTS.

Many of the state vice-presidents made quite an effort to secure new members. Many letters were sent out but reports show that these are not as effective as they might be, due to the fact that they are easily laid aside and forgotten. The following state vice-presidents have sent in new members:—

E. Allan Peirce, Waltham, Mass., one life, 15 annual.

Geo. B. Hart, Rochester, N. Y., 10 annual.

Alex. Millar, Dallas, Tex., one life, five annual.

Fred Holton, Milwaukee, Wis., two annual.

Otto Koenig, St. Louis, Mo., two annual.

The following members also deserve credit:—W. L. Kellar and Albert Sunderbruch each sent three, F. H. Traendly and L. H. Butts each sent two, Jacob Becker, E. Dailledouze, A. F. J. Baur, F. P. Avery and E. H. Cushman each sent one. W. J. Stewart sent in one life member.

MEDALS.

Medals have been awarded during the past year as follows:—Bronze medal:—F. R. Pierson Co., for *Nephrolepis elegantissima compacta*, offered at St. Louis, 1909. Silver medal:—Cottage Gardens Co., for *Carnation Mrs. C. W. Ward*, offered through the American Carnation Society at its annual exhibition held at Pittsburg, January, 1910. Bronze medal:—Cottage Gardens Co., for *Carnation Alma Ward*, offered through the American Carnation Society at its annual exhibition held at Pittsburg, January, 1910.

PLANT REGISTRATION.

New plant names have been registered since last report as follows:—

No. 414—August 13, 1909. *Odontoglossum crispum* variety *E. B. Baum*, by Julius Roehrs Co., Rutherford, N. J.

No. 415—August 13, 1909. *Canna*, New Chicago, by Vaughan's Seed Store, Chicago.

No. 416—August 27, 1909. *Geranium*, Red Wing, by F. H. DeWitt & Co., Wooster, O.

No. 417—August 27, 1909. *Nephrolepis Pruessneri*, by J. D. Pruessner, Galveston, Tex.

No. 418—August 27, 1909. *Nephrolepis Galvestoni*, by J. D. Pruessner, Galveston, Tex.

No. 419—September 10, 1909. *Berberis Thunbergii*, Silver Beauty, by M. J. Van Leeuwen, Franklin, Mass.

No. 420—September 18, 1909. *Rose Climbing Killarney*, by Alex. Montgomery, Natick, Mass.

No. 421—October 8, 1909. *Canna Multiflora*, by Vaughan's Seed Store, Chicago.

No. 422—October 15, 1909. *Rose Priscilla*, by Peter Henderson & Co., New York.

No. 423—October 15, 1909. *Rose Abundance*, by Peter Henderson & Co., New York.

No. 424—October 15, 1909. *Adiantum Roedderii*, by Alfred Roedder, Shorb, Calif.

No. 425—October 30, 1909. *Chrysanthemum Mrs. Jane Cockburn*, by S. Cockburn & Sons, Woodlawn, N. Y.

No. 426—November 20, 1909. *Canna Halley's Comet*. No. 427—November 20, 1909. *Canna Mrs. Alfred Conard*.

No. 428—November 20, 1909. *Canna Mrs. Carl Kelsey*, all by Conard & Jones Co., West Grove, Pa.

No. 429—January 22, 1910. *Rose Alice of Ingleside*, by S. C. Briggs, Washington, D. C.

No. 430—February 26, 1910. *Begonia Glory of Cincinnati*, by J. A. Peterson, Cincinnati, O.

No. 431—March 5, 1910. *Rose Wm. R. Smith*, by Conard & Jones Co., West Grove, Pa.

No. 432—May 7, 1910. *Violet, Marie Elise*, by Thomas DeVoy's Son, Poughkeepsie, N. Y.

No. 433—May 28, 1910. *Nephrolepis Roosevelt*, by American Rose & Plant Co., Springfield, O.

No. 434—June 11, 1910. *Rose Red Killarney*. No. 435—July 7, 1910. *Rose Dark Pink Killarney*. No. 436—July 7, 1910. *Rose Lady Cromwell*, by A. N. Pierson, Inc., Cromwell, Conn.

No. 437—July 7, 1910. *Rose Purity*, by Hoopes Bro. & Thomas Co., West Chester, Pa.

No. 438—July 14, 1910. *Nephrolepis Dreyerii*, by Kessler Bros. & G. Dreyer, Woodside, L. I.

No. 439—August 4, 1910. *Carnation Christmas Cheer*, by Henry Eichholz, Waynesboro, Pa.

THE DEATH LIST.

Since the last report three members have died:—November 1909. Albert Richfar, Richmond, Ky. May 3, 1910. Wm. E. Hall, Clyde, O. June 14, 1910. Dr. L. L. Bamborn, Alliance, O. On April 8, 1910, occurred the death of Mrs. W. J. Vesey, the wife of W. J. Vesey, Fort Wayne, Ind. In Mrs. Vesey's death the Ladies' Society lost one of its best workers and the florists of the country one of their best friends.

THE TRADE PRESS.

The trade papers have continued to give the society their cordial support. The thanks of the society is also due them for the complimentary copies sent for use in the office of the secretary.

AID OF THE SOCIETY.

It should be borne in mind that the S. A. F. is for the good of its members and that the secretary is its



LILIUM ELEGANS WALLACEI AMONGST AZALEAS
At Highland Park, Rochester, N. Y. See Page 104, Last Issue.

chief clerk. Information regarding express troubles, questions regarding rates, legislation, etc., if sent to the secretary will be placed in the hands of the proper committees for action. Such data as this will give a firmer working basis in their investigations. The society can best help you when your wants are made known. The secretary will always be ready to give all the aid possible or else refer your troubles to others who may be of help to you. In closing I wish to tender my heartfelt thanks to those friends who have given me so freely of their time and assistance and who by their advice have helped make my work both easier and better.

Treasurer Kasting's Report.

The following figures are from Treasurer Wm. F. Kasting's report presented by him at the meeting:

GENERAL FUND.

The balance in hand, August 10, 1910, was \$4,850.50, the receipts from February 2, 1910, to August 2, 1910, being \$6,171.89, the disbursements \$1,321.39. These funds are invested in various banks and bonds specifically announced in the report.

LIFE MEMBERSHIP FUND.

The receipts from February 1, 1910, to July 6, 1910, are \$8,313.50, making a grand total of the two funds of \$13,164.

Wednesday Evening's Proceedings.

The convention met, pursuant to adjournment, at 8 p. m., President Pierson in the chair, who announced that owing to the illness of John Dunbar, assistant superintendent of parks, Rochester, N. Y., it would be impos-

James L. Cowles, secretary-treasurer of the postal progress league of New York, addressed the convention at some length in explanation of the pending bill before congress known as the Sulzer bill. In connection with his address he presented resolutions, which were offered by Mr. O'Mara, and unanimously adopted. Mr. O'Mara, in speaking to the foregoing resolutions, said that beyond any question of doubt whatsoever the railroad and express interests have, up to the present time, influenced the findings of the committee on postoffices and post roads and have thwarted the popular demand for the consolidation of the third and fourth class matter, something that has been urged upon congress for the past six or seven years by the post-office department itself.

Mr. O'Mara spoke forcibly and strongly upon the subject, and gave some inside history that very much interested the attentive audience present. After the transaction of the foregoing business of the evening, an adjournment was taken to 11 a. m. Thursday.

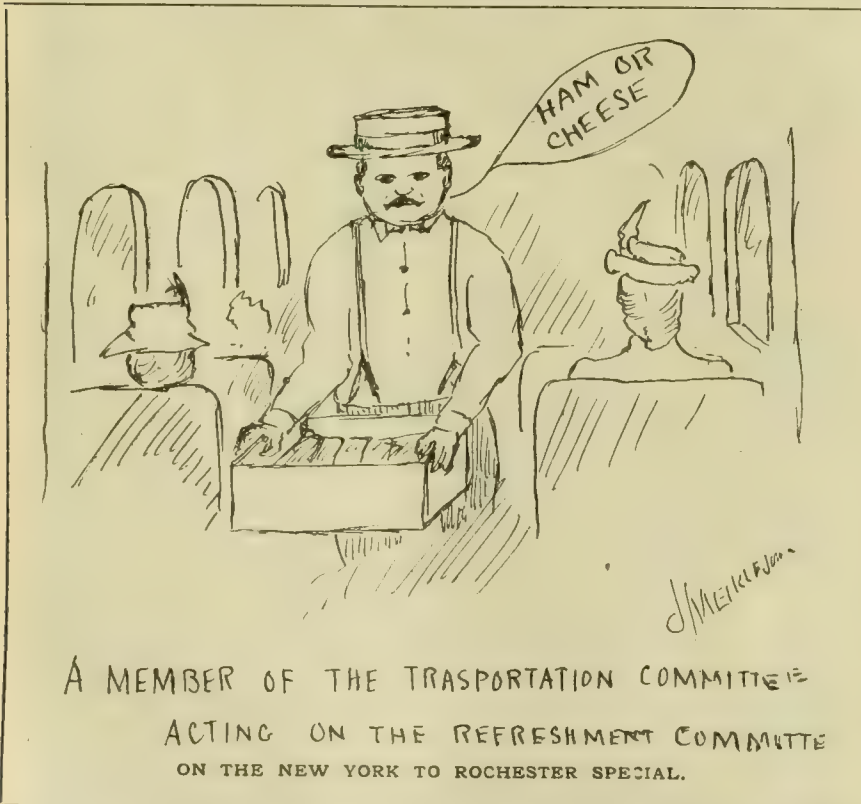
Thursday's Proceeding.

At the morning session the officers nominated the preceding day were duly elected. J. A. Valentine presented his report on the Retail Florists' Association, J. K. M. L. Farquhar reported on the National Flower Show. Action on the constitutional amendments was postponed and it was decided that on adjournment the society adjourn to meet in Boston, March 26, 1911.

The American Rose Society reorganized with W. H. Elliott president, succeeding Aug. T. Poehlmann. The Na-

The Trade Exhibitors.

The Advance Co., Richmond, Ind., ventilating apparatus.
American Blower Co., Detroit, Mich., steam traps.
S. A. Anderson, Buffalo, N. Y., Artificial poinsettias and Begonia Gloire de Loraine.
Chas. Apelt, Comfort, Texas, Armadillo baskets.
Chas. D. Ball, Holmesburg, Philadelphia, Pa., decorative plants.
F. Banning, Kinsman, Ohio, cut gladioli.
H. Bayersdorfer & Co., Philadelphia, Pa., florists' supplies.
A. J. Binley, Glen Falls, N. Y., patent flower holder.
B. S. Blake, Rochester, N. Y., patent locking clip for roses.
Bobbink & Atkins, Rutherford, N. J., evergreens, stove plants, palm and bay trees.
Arthur T. Boddington, New York, seeds and bulbs.
Lemuel Ball, Wisconsin, Philadelphia, Pa., decorative plants.
Wm. J. Boas & Co., Philadelphia, Pa., florists' boxes.
L. B. Brague & Son, Hinsdale, Mass., cut ferns, spruce and bouquet green.
The E. C. Brown Co., Rochester, N. Y., spraying machinery.
Brown Bros. Co., Rochester, N. Y., general exhibit of nursery stock.
Burlington Willow Ware Shops, Burlington, Iowa., willow baskets.
John Lewis Childs, Floral Park, N. Y., gladioli.
Champion Stemmer and Supply Co., Chatham, N. J., patent flower stemmer.
Climax Mfg. Co., Castorland, N. Y., flower boxes.
Crowl Fern Co., Millington, Mass., cut ferns and galax.
Conard & Jones Co., West Grove, Pa., self watering flower boxes, roses, evergreens, shrubbery.
P. L. Carbone, Boston, China novelties.
Arthur Cowee, Berlin, N. Y., cut gladioli.
Robert Craig Co., Philadelphia, Pa., crotons, cyclamens, ferns, Ficus pandurata, etc.
Henry A. Dreer, Philadelphia, Pa., Auracaria, palms, Ficus pandurata, small ferns and bulbs.
Detroit Flower Pot Manufactory, Detroit, Mich., pots.
Chas. Eble, New Orleans, La., Phoenix Roebelenii.
Edwards' Folding Box Co., Philadelphia., flower boxes.
H. Eichholz, Waynesboro, Pa., new pot carnation, Christmas cheer.
W. H. Elverson Pottery Co., New Brighton, Pa., flower pots.
Ellwanger & Barry, Rochester, N. Y., general line of evergreen and nursery stock.
The Foley Mfg. Co., Chicago, greenhouse appliances.
R. & I. Farquhar & Co., Boston, Mass., bulbs.
George M. Garland Co., Desplaines, Ill., greenhouse construction.
Benjamin Hammond, Fishkill-on-Hudson, N. Y., putty and insecticides.
Nathan Graves, Rochester, N. Y., photographs.
Geo. B. Hart, Rochester, N. Y., florists' supplies and cut flowers.
A. H. Hews Co., Cambridge, Mass., pots.
Hitchings & Co., N. Y., boilers and greenhouses.
Jackson & Perkins Co., Newark, N. Y., roses, shrubs and Dutch bulbs.
Ionia Pottery Co., Ionia, Mich., pots.
Wm. F. Kasting Co., Buffalo, N. Y., florist supplies and bulbs.
Kessler Bros., New York, Nephrolepis Dregerii.
King Construction Co., North Tonawanda, N. Y., greenhouse construction materials.
Kitts Mfg. Co., Oswego, N. Y., steam specialties.



sible to have the illustrated lecture by that gentleman on "Trees, Shrubs and Flowering Plants." This was a great disappointment, but under the circumstances was unavoidable.

tional Flower Show committee placed \$1,730 as premiums at the disposal of the American Rose Society, which was accepted and the executive committee will meet to arrange schedule.

H. W. Koerner, Milwaukee, Wis., gladioli.

Kroeschell Bros. Co., Chicago, boilers, threaded tube piping system.

Geo. A. Kuhl, Pekin, Ill., ferns. Lager & Hurrell, Summit, N. J., orchids.

Lion & Co., New York, ribbons. Daniel B. Long, Buffalo, N. Y., florists' photographs.

Lord & Burnham Co., New York, boilers and greenhouse materials.

McFarland Publicity Service, Harrisburg, Pa., advertising literature.

Jas. D. McLaurin Co., New York, gum paper and moistening machine.

W. A. Manda, South Orange, N. J., Polypodium Mandanun Golden Privet Draceni Rothiana, evergreens and orchids.

H. D. Mann Co., Syracuse, N. Y., ribbon, chiffon, etc.

Henry F. Michell Co., Philadelphia, Pa., garden implements, seeds and bulbs.

F. M. Miller, Janesville, N. Y., new geranium seedling.

John C. Moninger Co., Chicago, building material.

Morehead Mfg. Co., Detroit, Mich., condenser trap system.

National Clock & Electric Mfg. Co., St. Louis, Mo., thermometers and temperature alarms.

Non Breakable Flower Vase Co., Washington, D. C., flower vases.

Jos. G. Neidinger, Philadelphia, Pa., florists' supplies.

J. L. Pillsbury, Galesburg, Ill., patent carnation staple.

S. S. Pennock-Meehan Co., Philadelphia, Pa., ribbon and supplies.

Peters & Reed Pottery Co., Zanesville, Ohio, pottery.

J. A. Peterson, Cincinnati, O., Begonia Glory of Cincinnati New Draceni Victoria.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., palms, ferns and bulbs.

Roseville Pottery Co., Zanesville, O., pottery.

Reed & Keller, New York, florists' supplies.

Quaker City Machine Co., Richmond, Ind., ventilating machinery.

M. Rice & Co., Philadelphia, Pa., ribbons and supplies.

Julius Roehrs Co., Rutherford, N. J., palms, baytrees, stove plants and orchids.

Edwin J. Schwabe, N. Y., flower boxes.

Schloss Bros., New York, ribbons, chiffon and novelties.

Shaw Fern Co., Pittsfield, Mass., cut ferns.

H. J. Smith, Hinsdale, Mass., cut ferns.

E. E. Stewart, Rives Junction, Mich., cut gladioli.

Storrs & Harrison Co., Painesville, O., nursery stock, palms and ferns.

Stumpp & Walter Co., New York, general line of garden implements and bulbs.

Syracuse Pottery Co., Syracuse, N. Y., pots.

Jos. Faudt, Canajoharie, N. Y., variegated sweet alyssum.

Taylor Steam Trap Co., Battle Creek Mich., steam traps.

M. S. Radiator Corp., Dunkirk, N. Y., steam and hot water boilers.

B. Hammond Tracy, Wenham, Mass., cut flower exhibit.

Vaughan's Seed Store, Chicago, bulbs.

James Vick's Sons, Rochester, N. Y., cut annuals from trial grounds, also aster exhibit.

Vick & Hill Co., Rochester, N. Y., early asters.

W. Waits, Newburgh, N. Y., interlocking steel benches.

Wertheimer Bros., New York, ribbons, chiffon and tassels.

Wilson-Hoyt Co., New York, patent steel moulds for concrete benches.

Report of the Judges.

Kroeschell Bros. Co., Chicago, Kroeschell threaded tube piping system, highly commended; Kroeschell generator, 1910 model, highly commended; Kroeschell shaking and dumping grate, certificate of merit.

Wilson Hoyt Co., New York, steel mould for concrete greenhouse benches, certificate of merit.

Lion & Co., New York, matched bridal scarfs, invisible velvet violet shield, highly commended.

Robert Craig Co., Philadelphia, Pa., Croton Mrs. Duncan Macaw, highly commended; C. Mrs. W. P. Craig, highly commended; C. Soleil D'Or, highly commended; C. Edwin Lonsdale, certificate of merit; C. Paul S. Randolph, certificate of merit. Collection of 85 crotons, certificate of merit.

Non-Breakable Flower Vase Co., Washington, D. C., non-breakable flower vases, honorable mention.

The judges were: Charles H. Totty, E. Allen Peirce, and W. W. Coles.



IN THE WAKE OF THE CONVENTION SPECIAL
FROM N. Y.

ALONG THE ROUTE OF THE NEW YORK TO ROCHESTER SPECIAL.

Rice & Co., Philadelphia, Pa., spun glass butterflies, muslin butterflies, silver corsage ribbons, embossed moire crepe paper corkwood, twig baskets, honorable mention.

Schloss Bros., New York, shower effects, gauze ribbons, fancy ribbon chenille and silk cords bouquet holder, highly commended.

Conard & Jones Co., West Grove, Pa., self-watering flower boxes, honorable mention.

King Construction Co., North Tonawanda, N. Y., iron frame boiler house, certificate of merit.

Henry Eichholz, Waynesboro, Pa., Carnation Christmas Cheer, honorable mention and highly commended as pot plant.

George Giatras, West Hoboken, Nephrolepis Giatrasii, honorable mention.

Kessler Bros., New York, Nephrolepis Dreyeri, honorable mention.

W. A. Manda, South Orange, Polypodium Mandaianum, certificate of merit; Asparagus elongatus, honorable mention; Dracena Rothiana, highly commended.

T. M. Miller, Janesville, N. Y., geranium (seedling), certificate of merit.

F. R. Pierson Co., Tarrytown, N. Y., Nephrolepis Mossii, a very distinct variety, certificate of merit.

Joseph Traudt, Canajoharie, N. Y., sweet alyssum (variegated), honorable mention.

H. W. Koerner, Milwaukee, Wis., Gladiolus new giant flowering hybrids, other seedlings un-named, honorable mention.

National Clock & Electric Mfg. Co., St. Louis, Mo., thermostatic instruments, highly commended.

Champion Stemmer & Supply Co., Chatham, N. J., galax and small flower stemmer, highly commended.

State Vice-Presidents' Reports.

MARYLAND.

We are glad to note that building activity continues and improvements in every way, all along this line, seem to be the order of the day, many old places being torn down to make way for modern constructions. Business has been a little above the average. Easter trade was far in advance of other seasons. Spring trade was good, all good stock being well cleaned up. The seedsmen report an excellent spring trade. The great suburban development has created an extensive demand for all kinds of bedding and nursery stock. The Florists' Exchange, owned and controlled by growers, has been very successful in advantageously disposing of all stock, both cut flowers and plants, in a very satisfactory manner.

Maryland is coming to the front as a great apple center; a large capital is being invested and thousands of acres planted on the mountain sides in the western part of the state, where the finest that can be produced anywhere are being grown.

The State Horticultural Society has held two very notable meetings, the one held last December being a complete success. The exhibition was a revelation in regard to the state resources in the fruit line and created great enthusiasm among the members. The summer meeting just held is conceded to have been the most successful ever held in the history of the association.

The Gardeners' and Florists' Club has been wide awake. The meetings have been full of interest and well attended. The membership has greatly

increased; several special meetings have been held at which prominent speakers lectured on interesting subjects. The club being firm in the belief of unity of effort, of kindred association looking to the betterment of every horticultural interest, is affiliated with the Farmers' League and the Maryland Horticulture Society. The legislative committee has been on the alert watching legislation, seeing if anything could be done in the interest of the horticulturist and that no adverse laws should be passed. They have urged liberal appropriation for the purpose of advancing all horticultural interests. They have also urged on the representatives in congress to use their utmost influence in securing a parcel post enactment.

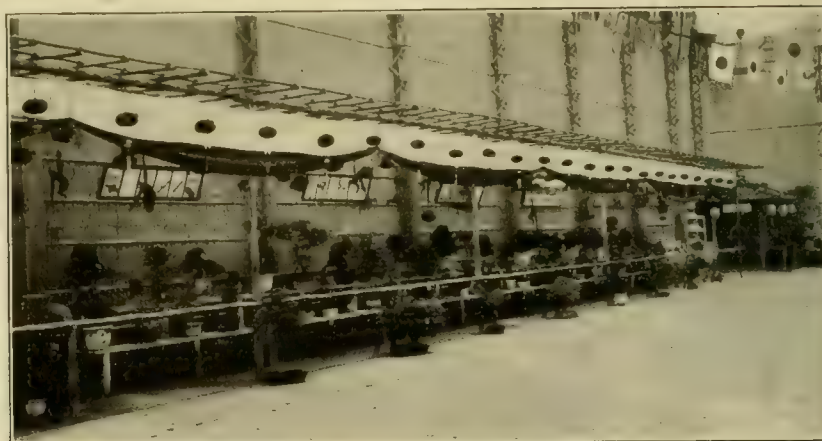
R. A. VINCENT.

LOUISIANA.

Ornamental horticulture, nursery and florist business has been increasing more and more every year, even the financial crisis a few years ago had no effect on its progress and prosperity, and I believe the business of 1910 will be a record breaker. The artistic appearance of our stores was never excelled in the elaborate displays of choice cut flowers, blooming plants, etc. Several years ago it was considered extravagant and a waste to make such displays; but it can easily be seen from this that there must be an increase in the demand.

The growing of cut flowers under glass has come to stay, and is no more an experiment. While our winters are not severe, still we have to be prepared for any and all emergencies, especially for heating, as the weather changes very suddenly at times. It is a well known fact that plants grow much quicker here, and flowers during the winter season are a better color, are more fragrant and have longer stems than imported stock, and are preferred by customers on account of their freshness and odor. Carnations have not been given a fair trial; on account of their cheapness nobody seems to care to trouble with them, but I believe if given the right trial they and many other plants not now grown, can be grown in this climate providing the same attention is given them as elsewhere.

Cut flowers of the highest grade are now much more in demand than formerly and nothing is too good and the price no object provided the quality is there. American Beauty roses head the list so far as prices are concerned, Orchids next, then the tea roses, val-



AT THE JAPAN BRITISH EXHIBITION IN LONDON.

Portion of the Exhibit of the Yokohama Nursery Co.

ley and so on; Cape jasmines have been in better demand this year than for several years. Our busy season begins the last of October and lasts until the last of June. The demand for porch and window boxes, hanging baskets, vases, box and bay trees is increasing yearly. Well grown blooming plants are also in better demand than before.

Since the organization of the Tree Society last year, which has full control of all trees and shrubs on our boulevards, avenues and sidewalks in New Orleans, a proper system has been established for the regular planting and taking care of them. They have established a nursery, where they have set out thousands of seedling trees and shrubs, to be planted out later on the city streets. Our parks, especially City and Audubon parks, are growing more beautiful every year and now rank among the finest of their kind. Our playgrounds, public squares, boulevards, avenues and streets are growing more beautiful every year. Our country club, golf links and the cemeteries are all falling in line.

Considerable greenhouse building has been done during the last few years, of the improved styles, modern material, large glass, cement walls, and the best quality cypress bars; giving more light and growing better stock. The truck gardeners are also building large improved houses, mostly

devoted to cucumber forcing, which are shipped to northern markets. These were formerly grown in hotbeds, now, one of the largest ranges of glass around New Orleans are cucumber houses.

I take pleasure on behalf of the mayor of New Orleans, Progressive Union and the New Orleans Horticultural Society, to extend to you a most cordial invitation to hold your convention in our winter and summer capital and convention city of the south in 1915 when we expect to have the great Panama exposition. This may seem a little premature, but I want to give you ample time for consideration as you all may think you will find a hot south in August, but instead you will find one of the coolest and healthiest cities in the United States fanned by the breezes of Lake Ponchartrain and the Mississippi river.

HARRY PAPWORTH.

INDIANA.

As far as I can learn from the florists of our state business has been the best in its history. In all quarters an optimistic view is taken of our business in general. However, the increase in greenhouses is less than in former years, largely due, no doubt, to the high price of glass.

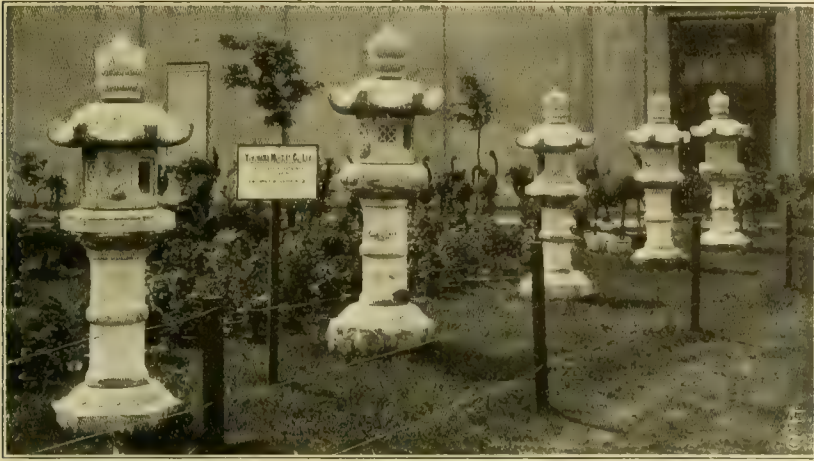
The carnation is more in demand than any other cut flower, although more roses than usual have been used during the past season. The principal call is for pink and white. American Beauty and Richmond comprise perhaps 20 per cent. of the total sales. Nearly every one who grows roses is growing Killarney and discarding Bridesmaid, while most of them continue to grow Bride. I would judge that 80 per cent. of the carnations grown could be included in the following six varieties: Enchantress, White Enchantress, Rose Pink Enchantress, White Perfection, Beacon and Victory. There is a growing demand for Afterglow which seems to be taking the place of Lawson. The tendency of the retail demand is for a better grade of both cut flowers and plants, for which the people are willing to pay a fair price. Hardy flowering shrubs and herbaceous plants are selling in increased numbers and I would recommend that all retail florists push this department.

The State Florists' Association, organized nearly a quarter of a century ago, will give a chrysanthemum show at Tomlinson hall, Indianapolis, November 8-12. We hope that our brother florists from other states will visit us and make exhibits. A new association has been formed and was incorporated July 20, 1910, as the Northern Indiana Florists' Association. Its



AT THE JAPAN-BRITISH EXHIBITION IN LONDON.

Japanese Tea House by the Yokohama Nursery Co.—Used as its Office.



AT THE JAPAN-BRITISH EXHIBITION IN LONDON.

Japanese Stone Garden Lanterns Exhibited by the Yokohama Nursery Co.

membership consists mostly of florists from about 10 counties in the northern part of the state. I think this society acted wisely in making the dues only \$1 per year. The membership is likely to be much larger at this nominal figure, and the larger the membership the more good a society can accomplish.

We have every reason to be proud of our state because it has given the trade more good new roses and carnations than any other state or, it may be safe to say, any other two states. It has also produced many good standard chrysanthemums, and no better American Beauties are grown anywhere than in Indiana.

W. W. COLES.

Convention Notes.

One of the largest, if not the largest, delegations that ever attended a convention of the S. A. F. left Boston on the 10 o'clock train Monday, August 15. The party numbered nearly 50 and all were full of enthusiasm when the train drew out of the station. The party received a few additions at Springfield and the ride over the Berkshire hills in the early afternoon was enjoyed by everyone. The dinner was a little late for some, for there were seven Pullmans in the train, and with one dining car some had to wait long after their usual dinner hour. The ride through the Mohawk valley, which was pronounced by the Rev. Henry Ward Beecher as "the most beautiful valley in the world," was very enjoyable and thoroughly appreciated.

Nothing happened to mar the happiness of all until the train arrived at Syracuse. Here some of the party, remembering the tedious wait they had had at dinner, ascertaining that the train would make a stop of 10 minutes, disembarked and went into the depot restaurant to eat a hurried lunch. They were gone less than 10 minutes and upon coming out of the station found the train had gone and left them. Fortunately another train was due in less than five minutes, and after explaining the matter to the conductor, boarded the train and reached Rochester but 10 minutes behind the party. The only anxiety was in regard to their baggage, which the rest of the party looked out for, and the quarters which they had in the regular smoker were not quite as comfortable as the special Pullman.

Chester I. Campbell, who will superintend the National Flower Show to be held at Boston March 27, 1911, very soon ingratiated himself into the good graces of all. It looks as if the committee had made a 10-stroke in securing his services and his assistant, W.

P. Edgar, always had a joke to crack; those that came within reach of his wit were sure to feel the sting.

The "We are seven" of the Boston party, who got left at Syracuse, were the butt of many a joker when they showed up at the hotel, but they all said they had had a jolly good time trailing and none of them could be induced to say who was to blame or what the escapade had cost them.

The young men in charge of the florists' supplies exhibits were all hard workers, always on the job at the exhibition during the day and staying up around the hotels until the "wee sma' hours" if there was an order on deck or a prospective customer in sight.

Some of the stand-bys at the last conventions show that the years are beginning to show, but ex-President W. R. Smith must have surely discovered the "spring of youth," for he was just as sprightly and looked every day as young as he did 20 years ago.

C. H. Vick was a very busy man Tuesday and he and his assistants had their hands full, but he fulfilled all the demands made upon him, kept his temper throughout the hot spell, and wore a smile when the hardest knocker showed up.

The Ladies' Society of American Florists had its headquarters all ready

early Tuesday morning for the reception of members and the other ladies attending the convention and the attendance of the wives and daughters was very large.

John T. Temple, one of the few members of the society who have attended every annual meeting from the start, has not chewed gum since he saw how they made it at Omaha during the convention of 1898.

The attendance of so many of the ex-presidents was one of the early good signs, for the presence of so many old pilots is sure to keep the good old ship on the proper course.

The building in which the convention was held proved to be all that was desired, centrally located, near to the headquarters and large enough to accommodate everything.

The Boston and New York parties arrived at very nearly the same hour Monday evening and the bell boys at the Seneca will remember the rush for many days.

The grand display of gladioli was an eye-opener to many of the older florists and was a great attraction to both the trade and people of Rochester.

The trolley rides to the parks and the lake were great attractions after the heat of the day and were taken advantage of by many of the visitors.

John Evans, in spite of the mustache turning from black to white, was just as much one of the boys as ever. Long may he continue.

It was sizzling hot weather, but everybody was having a good time.

(FOR VISITORS AND BOWLING SCORES SEE PAGE 186.)

THE illustrations herewith give a very good idea of the class of exhibits put up by the Yokohama Nursery Co. at the Japan-British exhibition in London. The tea house is also used as an office by the firm. These artistic houses are already much used in British gardens and they will probably be used in the United States in the near future. The dwarf trees are no longer a novelty but the collection maintained by this company is very complete and varied and it intends keeping its exhibits in a fresh and interesting condition by replacing them at frequent intervals during the course of the exhibition. The company cordially invites all American visitors to the exhibition to inspect its horticultural novelties, which they will find of great interest.



AT THE JAPAN-BRITISH EXHIBITION IN LONDON.

Group of Japanese Dwarf Trees Exhibited by the Yokohama Nursery Co.

Ladies' Society of American Florists.

The Ladies' Society of American Florists held the most successful meeting in its history at the Seneca hotel, Rochester, N. Y., August 17. There was an unusually large attendance and 32 new members were added to the role of membership, making a total of 242. The society appropriated \$50 for a vase to be offered for the best table decoration at the National Flower Show. The following officers were elected for the ensuing year: Mrs. John B. Phillips, Brooklyn, N. Y., president; Mrs. Julius Roehrs, Rutherford, N. J., first vice-president; Miss Margaret Vesey, Fort Wayne, Ind., second vice-president; Mrs. Albert H. Herr, Lancaster, Pa., treasurer; Mrs. John Maynard, Detroit, Mich., secretary.

The Gladiolus Society's Show.

The first annual exhibition of the American Gladiolus Society was a marked success for an initial venture and the interest shown gave promise of a bright future for this young and energetic society. The following is the list of awards given:

Vaughan's Seed Store silver medal for best 25 spikes of Mrs. Francis King.—B. Hammond Tracey, Wenham, Mass.

Peter Henderson & Co.'s prize of \$10 in gold for best 12 varieties not in commerce, three spikes of each.—W. H. Koerner, Milwaukee, Wis.

W. W. Rawson & Co.'s silver medal for best collection of 25 varieties, three spikes of each.—Arthur Cowee, Berlin, N. Y.

Silver medal for basket filled with Gladiolus America.—B. Hammond Tracey.

Silver medal for the best American seedling never before exhibited nor yet disseminated.—Vaughan's Seed Store, Chicago.

Bronze medal for 10 spikes of scarlet gladioli.—Arthur Cowee.

Silver medal for 10 spikes of the purest white gladiolus.—Vaughan's Seed Store.

A. L. Miller's prize of \$5 for the best display of pink and white varieties, three spikes of at least six sorts.—Arthur Cowee.

E. H. Cushman's prize of \$5 for best and \$3 second best vase of 25 whites.—Arthur Cowee, first; B. Hammond Tracey, second.

A. T. Boddington's prize of \$5 for best vase of any named yellow variety.—E. E. Stewart, Rives Junction, Mich.

Geo. B. Hart's silver cup for the exhibit containing the largest number of standard named varieties.—John Lewis Childs, Floral Park, N. Y.

Montague Chamberlain's silver cup for best six named varieties, one spike each, exhibited by an amateur.—B. F. White, Terryville, Conn.

Agave Americana.

The illustration herewith shows a flowering plant of Agave Americana, or century plant, as it is popularly called, at Lincoln park, Chicago. In the last few weeks visitors to the park have been anxiously watching its development and it has caused a great deal of interest. Although naturally people look to this as a crowning feature of cultural skill, a cultivator who has fine specimens of this agave does not usually feel elated when they show signs of bloom, as this means the end of the life of the plant.

DANVILLE, ILL.—John Willius has filed a petition in bankruptcy.

TRENTON, N. J.—The store of Martin C. Ribsam, completely remodeled and elaborately decorated, after the fire which took place there March 30, was opened July 30. The interior is handsomely finished and a fine show icebox in mission style has been installed.

SAN DIEGO, CALIF.—A special committee was recently appointed by the San Diego Floral Association to confer with the park commissioners about extensive improvements to the public park system. A name is to be evolved to suit the exigencies of this locality.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Gates Ajar.

SEE SUPPLEMENT WITH THIS ISSUE.

Few designs allow for so many different methods of treatment as the gates ajar. There is a great variety in the method of treatment, the shape of the wire design itself varies considerably, from the simple shape of the pillars, gates and base to others with various ornaments. The gates ajar has, to some extent, to be formal for unless the form is outlined in some way the whole thing loses its significance and character and becomes a jumble of



Agave Americana Flowering at Lincoln Park, Chicago.

flowers, beautiful perhaps but meaning nothing. But, on the other hand, there is no need to run to the other extreme and tie the flowers in closely and stiffly so that they lose their individuality. The thing to do is to suggest the outline rather than to describe it with geometrical precision and to let the various parts merge one into the other rather than have the dividing line sharply defined.

For instance where the pillars of the gates joins the base in a large design, a few cypress or large croton leaves, a small, shapely coccus or anything similar is pretty and effective and will break the lines, so to speak. A few sprays of adiantum or whatever green is used should run out from this over the pathway, which is usually done solid in flowers of some kind. To carry out the idea strictly we like to see the pathway of flowers clear in the center, leading to the partly open gate, and do not care to put flowers there that stand higher in the center. But we have seen designs with two colored

flowers at the base sharply defining the path and this is not in good taste or artistic in any way. A broad mass of white carnations, if colored flowers are used above, or of violets if the rest of the design is white should be unbroken except, as noted, when a few sprays of flowers or fern are allowed to escape from the flowers and foliage at the base of the pillars. As to the flowers to be used in the design itself there is no need to mention them specifically as they will vary according to the season and the price to be paid for the design.

Store Wisdom.

"Well, business is business, and I must get a move on," said the drummer as he began to pack up his samples, "Sure you don't want any cypress leaves; better let me send you another 100 assorted?" "No, I have enough." "No wheat sheaves?" "No, got enough now for the mice; I can't keep them out of the box somehow."

"Yes, business is business, but I think this retail end of it is the most slavish trade a man can get into, from early in the morning until late at night. Nothing in it; so much opposition and the street men getting as thick as flies and selling flowers for less than I can buy them, and then the department stores with their cut prices. I tell you things are not what they used to be." "That's so," said the traveling man. "Business is done differently now from what it used to be. Well, so long, see you again in November."

Things are not what they used to be, but men like our store friend who, while they are compelled to see a difference plod along in the same old way that prevailed years ago, working hard without results, without being able to see that it is not modern business methods, themselves stand in the way of their own success. There is one great essential without which no business can be successfully carried on, and that is enthusiasm. The proprietor must be full of it all the time, in fact boiling over. For his class of trade he stocks up with the best he can find, his place of business always has a live, up-to-date appearance, there are no old dusty baskets on the shelves, no faded yellow-leaved or plants out of flower standing about. He couldn't get enthusiastic about things so passe as these and so nothing of the kind is seen. The store windows are always bright, attractively decorated with plants and flowers of the season. The man who does this is enthusiastic about his work, he no sooner has one window finished than he begins to plan for another to succeed it and, if possible, attract more attention. He got his enthusiasm from the boss, urged to do the best he could, he did even better; what was work before was turned to pleasure, which lasted all day, for as the groups of admirers gathered and passed on and an occasional word of praise reached his ears, he felt more than satisfied.

It was the same with the other employees, they caught the spirit, they could not help it, they made their sales in that confident way that impresses customers and convinces them that they are doing the best they can. As to the department stores and their bargains, the street men with their



GATES AJAR.





LUTHER BURBANK'S OLD HOME—NOW USED AS ADMINISTRATION BUILDING.

cheap flowers, such competition does not bother them; they may hear of it, but the superiority of their store and its stock they make so convincing that their cheaper competitors are forgotten. If a man is not enthusiastic about his store, or the stock, or the business, there is a cause for it. As the advertisement says, "There's a reason," which it is worth going to a lot of trouble to find out. Let him figure out in his own mind an ideal store, how it ought to look; the windows, the counters, the cases, the floor, the refrigerator, what stock should be on sale at that particular season, how it should be arranged, what amount of a force such a store will require, which of the men he knows would be placed in charge of the counter and who would be the decorator and the other assistants he would like. When this and other details are fixed in his mind let him take a walk down the street and coming up the other side take a look at his store as a stranger, see if the front is anything like his ideal, are the windows right? Would he, if he wanted flowers be induced from the display to go in, or say I want something better than these. I will try further up the street?

Step inside and glance around; are things inviting, are there objects in plain sight that he did not find in his "Ideal" store? Is the stock in the case all fresh and nicely arranged? How do the shelves and counters look, etc.? The chances are that as a

stranger he will find the situation very different from his "Ideal" establishment and the many things necessary to be done at once, very apparent. His pride asserts itself, he sets to work to get somewhere near the "Ideal." Everybody is soon busy and the store takes on a changed appearance that is very noticeable, it has a bright, attractive look, the stock is better arranged, it looks more, the customers as they come in are cheerfully received, it is no longer work to wait on them. A gentleman calls for violets. "Here are some of the finest violets we have had this season," is said in a confident manner, and this new two-toned ribbon and fancy pin make a perfect finish. The customer that complains of the price, and says that Brown down the street sells as good for less, is not told "Well, that's the place to get them." Instead they are soon made to realize that the flowers here are the very best in the market at the price and leave their order.

All this freshening up, this added impetus to the business, this enthusiastic spirit is brought about with but little if any money outlay. Just an opening of the eyes to the situation, a look within from outside. As Burns says: "Ah wad some power the Giftie gie us to see oursel as ithers see us." We criticize others and do not see the faults in ourselves. "The times are changed, there are too many in the trade, flowers are too plentiful"

and other reasons are conjured up to account for poor business while others not far away are forging ahead solely on account of their up-to-date methods which meet the changed conditions and because they have faith in what they are doing and carry this enthusiastic spirit into all their undertakings.

K.

Twenty Years Ago.

AUGUST, 1890.

The sixth annual convention of the Society of American Florists was held at Boston, August 19-22. The officers for that year were J. M. Jordan, St. Louis, president; M. H. Morton, Boston, vice-president; W. J. Stewart, Boston, secretary, and M. A. Hunt, Terre Haute, Ind., treasurer.

The re-establishment of the Chicago Horticultural Society, which had been in suspension since the fire of 1871, was talked of at the Chicago Florists' Club meeting.

In many Pennsylvania points the temperature was below that recorded for the same dates in the previous December.

At a reunion of the Gardeners' Club of Baltimore over 350 were present.

"Gardens laid out, kept in order and free of cats" was the sign of a New York landscape gardener.

John Thorpe and E. G. Hill were appointed S. A. F. delegates at the meeting of horticultural societies in Chicago to consider matters in connection with the world's fair.

Henry Bennett, the famous English rosarian, died August 15. An account of his life's work was given in the AMERICAN FLORIST by E. G. Hill.

Canadian Horticultural Association.**OTTAWA NEXT MEETING PLACE.**

The thirteenth annual convention of the Canadian Horticultural Society opened August 10 in the Public Library building, St. Catharines, Ont. The delegates were about 100 of the leading florists, nurserymen and seedsmen of the dominion, and many of them were accompanied by their wives.

The Dale Estate, of Brampton, had a large display of orchids, ferns and supplies of every description. R. H. Ellis, of Leamington, had an exhibit of ferns. R. L. Dunn and W. W. Walker had well arranged displays. Thomas Manton, of Toronto, who was judge this year, exhibited orchids. There were fine displays by the Connor Floral Co. of Hamilton. The Steele-Briggs Seed Co. and J. A. Simmons, Toronto; H. L. Jansen, of Berlin, and the Foster Pottery Co. showed a variety of wares.

The room was crowded when President H. E. Philpott, of Winnipeg, took the chair. Mayor McBride was introduced and delivered an address of welcome. E. J. Mepstead, of Ottawa, replied to this and returned thanks for the hearty welcome extended, from which he inferred that the association had made a mistake in not coming here before.

President Philpott, at the conclusion of his address referred to the reception of strangers, and said he would ask the executive to see to that. Secretary Hall presented his report. It referred to the last convention held in Toronto in November, the argument being that there would be a greater turnout on account of the chrysanthemum show going on at the same time; there was the same argument for non-attendance of members. He hoped there would be no more November conventions. At the last session the secretary was asked to get the opinion of the trade on the tariff question. Out of 300 forms sent out, only 30 were returned duly filled out.

The second day's proceedings at the convention of the Canadian Horticultural Association August 12, included the choice of a place of meeting for next year and the election of officers. Ottawa is the city selected, with the officers as follows for the coming year:

J. Connon, Hamilton, president. A. Wilshire, Montreal, first vice-president. R. L. Dunn, St. Catharines, second vice-president. C. Hall, Montreal, secretary. H. Simmers, Toronto, treasurer.

Executive committee H. P. Cowan, Peterboro; Walter Nuston, Dansville; H. E. Mepstead, Ottawa.

A very enjoyable tour through the district of St. Catharines, was enjoyed by the visitors as guests of the St. Catharines Horticultural society.

Floriculture in the Canadian Northwest.

Read by H. L. Patmore, Brandon, Man., before the Canadian Horticultural Society, August 11, 1910.

The object of this paper is to bring to the attention of the Canadian Horticultural Association the progress which has been made in horticulture and tree-planting since the first settlement of the northwest prairies, and to enlist your interest and support in our continued progress.

The real settlement of the Canadian west may be said to have commenced with the building of the Canadian Pacific railway in the early eighties. The first settlers (most of whom were from the eastern provinces) took with them seed, plants and fruit-trees such as they had been accustomed to grow in the older provinces, but it was soon found that the climate of the new provinces was very different from that of the old, and that many varieties of seeds, plants and trees which were grown successfully in the east

were of very little value in the west. With the limited practical knowledge available at that time, the coldness of the winter seasons was looked upon as the cause of all the difficulties, and complete discouragement in the future prospects of all lines of horticulture was the immediate result.

CLIMATIC DIFFICULTIES.

Not only was it found impossible to grow the trees and plants from other provinces with any degree of success, but even the transplanting of the native trees were with few exceptions failures. These exceptions were the wild currants and gooseberries which grew in the ravines, and which succeeded fairly well under cultivation.



Jubea Chilensis.

But most other native trees invariably died one or two years after being transplanted. Experience has since taught us that the reason of trees dying was not altogether due to the coldness of the winters, but the principal cause of failure seems to have been that after our short hot summers, we usually get dry weather in the fall season, and that this is the period at which the real injury is done to the newly transplanted tree, so that it goes into the winter unfitted to stand the severity of the climate, and if the spring season is not unusually favorable, it results in great loss.

During the period 1880 to 1900, several greenhouses and nurseries were established, but it was soon found that they were premature, and some were discontinued. But from the continued efforts and perseverance of two or three of these, much practical knowledge and some result has been gained, so that today we are able to tell you a little of the progress which has been made, and to point to the trend of horticulture in the Canadian west to a point which was considered impossible in the earlier years, and which, in the near future, will do much to make conditions of home life and general welfare more modified, and much more desirable.

FLOWERS AND VEGETABLES.

Up till the years '88-'89, potatoes were about the only vegetable grown, and flowers (especially in outside gar-

dens) were considered almost an impossibility. But about that time, with the introduction of the experimental farms at Brandon and Indian Head, and the building of greenhouses by Mr. Bull, of Winnipeg, and others, the cultivation of flowers began to be looked upon as more of a possibility; as it was found that there were many of the early flowering varieties which bloom to perfection 'neath the bright summer sky, and that with the sowing and planting of seeds in early season, so as to induce early maturity, and with the avoidance of those varieties which were too tender to endure the spring frosts, and too late in maturing to give reasonable returns before the fall season set in, a fair measure of success soon began to be obtained, until now you will find in the towns and villages, and on many of the prairie farms, flower gardens containing many of our choicest perennial and annual flowers, and including even such tender plants as dahlias, cannas, etc., all of which bloom in profusion in their respective seasons, so that it is now possible to have a continuous flower garden in the open air from early spring until late fall.

With vegetables, it has also been found that with the right early maturing varieties sown on time, and properly cared for, nearly all of those in ordinary domestic use can be well and profitably grown, until it is now becoming a question whether the west cannot develop her own canning factories and provide for herself in all lines of vegetable produce.

FRUITS.

With fruits, in the early days it was considered that it would never be possible to grow fruits such as apples, crabs or plums on the prairies. But about that time, in some of the nurseries, which were then starting, some trees were then planted which did not kill out entirely, but were left to struggle on. After a time it was found that the new growth of these trees, the wood of which was grown in the west, became acclimated, and it was then that some of the men who were interested in horticulture, such men as A. P. Stevenson, the late archbishop of Rupertsland, and others, began to see that there were possibilities, and efforts were made to obtain the hardiest known varieties and these were planted under the conditions which experience was teaching to be the best. Now the apples grown on the A. P. Stevenson orchard in Manitoba are noted as being some of the best in quality and appearance which can be produced; and not only has this result been obtained here, but all over the settled portion of the Canadian west. In every corner can be found growing successfully little groups of apples, crabapples, plums and other fruits, proving absolutely that these trees can be grown; providing the horticulturist can discover and show clearly what conditions are needful and necessary to make the growing of fruits a complete success.

TREE PLANTING.

This is one of the problems which is at the present time before us: Can we study the conditions under which these successful trees are grown? Can we find the cause of the few successes, and also the cause of the many failures, and can we point out under what conditions these can be remedied? This is what the people of the west are all asking from the nurseryman and horticulturist. In the planting of trees for shade, shelter or ornament, it was early recognized that this was one of the greatest necessities for home life on the prairie. And it has always been the earnest intention, we believe, of almost everyone that has moved into the west, to plant trees, especially with the idea of making their homes more like the homes to

which they had been accustomed in the older countries. But the attempts of the earlier settlers were so many series of failures that they had not only become discouraged themselves, but also discouraged all new comers by telling them it was absolutely useless to plant trees.

But it was soon found that with the proper preparation of the soil, and the selection of suitable varieties of trees, it was quite possible to grow them, and grow them successfully and rapidly. But the effects of the early discouragement were hard to overcome, and it is only during the last few years that the people have begun to renew their interest in the planting of trees. There is one man to whom the west will ever owe a debt of gratitude. That is the Hon. Clifford Sifton, who, as minister of the interior, inaugurated the plan of tree planting on the prairies. This is rendering possible the planting of trees where most needed, that is, not by the man who has the time and the means, but by the homesteader whose family, as well as himself, need the shelter and the associations which trees alone can afford on a prairie, which in summer is one glare of sunshine, and in winter, one vast expanse of snow.

But the tree-planting scheme which it has been possible to get into operation at the present time, is only a mere drop in the bucket of what must be done in the very near future if the dominion of Canada is going to ensure the future prosperity and progress of the western prairies. And here is one of the ways in which the Canadian Horticultural Association can assist by encouraging those in authority in further extensions which may be developed on the lines of prairie tree planting. Before leaving this subject we would also like to call your attention to the great work which is being done by the railway companies in the west in horticultural lines. The Canadian Pacific railway for some years past has been gradually establishing a department under which it is doing a vast amount of tree planting and making ornamental gardens along its lines. This is valuable work in many ways, for, while it encourages the residents along the lines of railway by showing them what can be successfully grown in trees and flowers, at the same time it is affording one of the most valuable inducements for the encouragement of settlement on the prairies. Travelers passing over the lines of the C. P. R. in the near future, seeing it a line of gardens and neatly planted groves of trees along the right-of-way, will form a very different impression

of western Canada to what they were likely to do in years gone by, when the railway trains ran past bare prairies and desolate station houses.

Up to the present, this paper has dealt only with outside horticulture. But the Canadian west is now becoming able to take care of the florist and the winter-gardener. For with the progress and the prosperity of the last few years, there is fast springing up a demand for those plants and flowers which do so much to make life a pleasure at all seasons. Where a few years ago it was scarcely possible for one greenhouse to make a livelihood in the whole of the northwest, there are today in operation many greenhouse plants in all parts. While with many of these it may still be a struggle to make ends meet, yet the florists are all working together in an effort, not only to make a success of their own individual businesses, but to promote the general comfort and progress of the people who live in our Canadian west, by seeking to interest them in the use of flowers and plants at all seasons. So that we may confidently expect that the time is not far distant when the trend of horticulture will bring us, the people of the west, to that happy condition of progress, when it will be possible for us to have among us the floral establishments like the Dales and the Dunlops of the older provinces.

How Can the Agricultural College Assist Floriculture.

Abstract of an address delivered by Prof. W. S. Blair, Macdonald College, Quebec, before the thirteenth annual convention of the Canadian Horticultural Association, August 10-11.

All florists I take it are agreed that much can be done at an agricultural college or experiment station in securing information of a definite character to assist them in the art of growing flowers. Lack of time, expenses entailed and equipment necessary are some of the reasons why effective research work cannot be conducted by the average florist. The successful grower is the one who masters details. It is through such men that we can hope to isolate various factors and determine upon which most attention should be given. Florists generally are fast finding out the suitability of plants to certain conditions, but real research to find out the reason why, is not receiving the attention it should.

In planning the greenhouse at Macdonald College the objects in mind were to give an effective training to the student by placing him in close touch with the growing in a commercial way of plants under glass; and to assist the florist and vegetable

grower by conducting experiments with the principal greenhouse crops. Limiting factors in the pursuance of the latter have been lack of space, funds and time.

Our experiments in benches indicate that the kind of bench used is not a factor likely to limit the production or quality of bloom. The openings in the side of the bench wall to give aeration to the lower bench material are, apparently, of no value. Drainage in the nature of rock or similar material does not appear to be necessary where careful watering is done. The bench soil of course in this test was kept at a uniform condition so far as moisture contents were concerned, and water was added only when in the judgment of the grower it was considered necessary.

The usual practice among Canadian growers is to bench violets after the first touch of light frost. This frost usually occurs during the latter part of September or early in October. Twenty-five plants of Princess of Wales were benched August 10, 1909, and a similar lot on September 10 and again on September 28 after a light frost. The stock was the same throughout having been started from cuttings at the same time and planted to the field in May.

Benched.	No. of flowers.	Date of first flowers.	No. of flowers to Jan. 1.
Aug. 10	1435	Sept. 25	107
Sept. 10	1732	Oct. 29	38
Sept. 28	806	Nov. 5	15

The quality of the bloom in size and substance and length of stems of the August planting could not be better. The September planting gave good blooms throughout but not so good as the August planting. The yield was heavier however. The September 28 planting produced inferior bloom until towards spring. Planting made early should be given all the air possible otherwise a strong vegetative growth is liable to develop to the detriment of bloom. It would seem, however, that the early September planting is advisable. These experiments are being continued.

The getting of fresh warm air into our greenhouses during the cold dark days of winter is another problem worth some attention. In fact, countless experiments could be suggested ranging all the way from starting the plants in the cutting bench to the marketing of the bloom, any of which would serve to throw additional light upon the various problems confronting florists, and gradually develop something definite and of practical value as a guide for them in their work.



OUTING OF THE PACIFIC COAST HORTICULTURAL SOCIETY AT CAMP TAYLOR, JULY 24. See Page 230.

Plants vs. Cut Flowers.

A paper read by Geo. A. Robinson, Montreal, Que., at the thirteenth annual convention of the Canadian Horticultural Association, August 10-11.

The subject of this debate, namely: "Plants vs. Cut Flowers" for the holiday trade is an open question and one which every florist has to answer for himself, but comparing the florist holiday business today and 20 years ago, I have no hesitation in saying that plants have had a great deal more than cut flowers to do with the revolutionizing of the florists' business at these particular seasons. As far back as my connection with the trade goes, flowering plants have been in favor but never as much as at the present time. And can it be wondered at?

I need not go into history but just mention the facts as they exist at the present time. In all up-to-date floral establishments a week or so before Christmas or Easter the florist begins to fill up his store with flowering plants, arranging the windows with some especially well grown specimens, the colors harmoniously blended and artistically displayed. This arrangement will appeal to the public taste and arouse more interest than the best arranged window of cut flowers, lily ponds, old mills or any other of the florists' creations. The finest vase of cut flowers can never compare with a growing plant. What is more beautiful than a well grown cyclamen with its luxurious foliage and butterfly like flowers? A plant of Begonia Gloire de Lorraine is a thing of beauty impossible to duplicate in cut flowers.

Then the combinations possible by these growing plants have made baskets and hampers the popular articles there today. Not only combinations of plants but baskets filled with one variety only are much better sellers than the same flowers in a cut state. Take for instance a basket or pot of tulips growing and the same number of cut tulips and see which sells the best—or compare a basket made up of Easter lilies or a well grown lily plant with a case of cut lilies and note the difference. There are endless ways in which plants can be used in receptacles without losing their individuality or marring their beauty in any way; but it is not my intention to mention them at this time, only to show the importance of plants at holiday seasons. A great point in favor of the plant over cut flowers is the large variety which a customer has to choose from instead of the everlasting roses and carnations. We have for Christmas all shapes and sizes of plants in all different prices to suit all customers, large or small.

The most important flowering plants for Christmas are azaleas, cyclamens, Begonia Gloire de Lorraine and similar forms, poinsettias, primulas, (obconica and Sinensis), Begonia incarnata, solanums and ardisias for berried plants. At Easter the lily takes precedence over all other plants—then spiraea, azaleas, lilacs, rhododendrons, roses (hybrids and ramblers), flowering shrubs, bulbous stock and lots of odds and ends which go to make up an interesting and profitable display. Apart from these, foliage plants are always in great demand at these seasons. The Boston fern and its forms are the most popular while Adiantum Farleyense, fern dishes, rubber plants, araucarias, dracenas in variety and aspidistras are all sold in large quantities at the holidays.

Another point in favor of the plants over the cut flowers is their freshness. How often do we hear complaints of cut flowers going to sleep through being kept too long, but very rarely do we get the same complaints about plants. A plant grower times his stock so well that there is no ground for a kick. He knows—or should know—just

exactly how long a plant will take at a given temperature to come into bloom, and, after being hardened off, these plants are able to stand any ordinary house treatment long after cut flowers are in the ashbarrel—thus giving far more satisfaction to the purchaser or the recipient as the case may be. This, I think, is the greatest factor in making the holiday trade a plant trade. I have never yet seen a holiday when good plants were a drug but I have often seen them a scarce commodity.

The price of plants compared with the price of cut flowers at holiday times is another factor in popularizing the plants at these seasons. The demand at these times is naturally greater than at ordinary times, while the supply of cut flowers is practically the same as at any other time of the year. This state of affairs is a great temptation to the wholesaler to raise the prices, sometimes beyond reason. The retailer has to do a lot of explaining, especially to regular customers as to the reason why the price of cut flowers is double and sometimes treble the price they were the week previous. Some customers believe him, others go away without buying, thinking it is a holdup. New customers especially often get so disgusted with the prices asked that they never come back again and the consequence is the retailer will push the sale of plants rather than cut flowers. He can show samples and fill all orders with good stock instead of risking the rise in prices and the doubtful quality of cut flowers so often supplied at these times. The price of plants does not fluctuate at all and the flower buying public get to know this and buy accordingly.

As to the future of plants for holiday seasons, all I can say is that I firmly believe that the popularity of plants will increase every year, more so than they have in the past. The satisfaction they give to the purchaser, their moderate price and the certainty of the supply are bound to tell and I would strongly advise growers to be alive to this branch of their business.

Club Bowling at Rochester.

City	1	2	3	Total
Washington	749	873	785	2407
Buffalo	778	708	770	2256
Philadelphia	702	728	805	2235
Baltimore	778	749	696	2223
Chicago	683	746	751	2180
Cincinnati	735	742	700	2177
Long Island	803	665	685	2153
New York	689	749	706	2144
Cleveland	684	672	645	2001
Rochester	606	597	700	1903
Detroit	577	616	661	1854

Ladies' Bowling.

Mrs. Boone	78	...
Mrs. Schaeffer	112	115
Mrs. F. G. Bauer	96	119
Mrs. L. H. Klein	111	...
Mrs. A. Herr	100	87
Miss Pfeiffer	73	...
Miss Lutermaier	77	...
Miss Fulmer	56	86
Mrs. J. T. Gibson	76	...
Mrs. Aug. Poehlmann	41	...
Mrs. Adolph Poehlmann	42	...
Mrs. Carney	54	...
Miss Irene Vick	48	...
Mrs. E. H. Vick	71	88
Mrs. Suhr	59	...
Mrs. Whitman	129	125
Mrs. Powell	96	97
Miss Komitsch	20	135
Mrs. George H. Cooke	75	...
Mrs. T. Meinhardt	58	...
Mrs. L. Meinhardt	91	99
Mrs. F. Meinhardt	87	84
Miss Elliott	48	...
Miss C. J. Graham	35	...
Mrs. Tenbold	39	...
Mrs. W. W. Coles	41	...
Miss H. Esler	54	...
Miss R. Elliott	57	...
Mrs. George Asmus	111	85
Mrs. F. Traondly	139	101
Mrs. C. McKellar	119	131
Mrs. Tolley	62	...
Mrs. Arnold	72	...
Mrs. Brown	66	...
Mrs. Fetter	91	74
Mrs. A. Moltz	116	88

Mrs. Reimels	66
Mrs. A. DeMussy	45
Mrs. Glass	45
Mrs. Birnie	56
Mrs. W. T. Wheeler	45
Mrs. J. Donaldson	51
Miss Pierson	50
Miss M. Quick	46
Mrs. H. J. Quick	51

Visitors.

Frank Adelberger, Wayne, Pa.
Frank H. Adgate, Warren, O.
J. K. Allen, New York.
H. M. Altick, Dayton, O.
J. F. Ammann, Edwardsville, Ill.
S. A. Anderson, Buffalo, N. Y.
Chas. Arnold, Astoria, N. Y.
Geo. Arnold, Barnard, N. Y.
Geo. Asmus, Chicago.
Frank P. Avery, Tunkhannock, Pa.
Fritz Bahr, Highland Park, Ill.
Chas. D. Ball, Philadelphia, Pa.
Chas. D. Ball, Jr., Philadelphia, Pa.
Robert Ballantyne, Canandaigua, N. Y.
Harry Balsley, Detroit, Mich.
James Balson, Canandaigua, N. Y.
M. Barker, Chicago.
C. J. Barnard, Syracuse, N. Y.
F. C. Bartels, N. Olmstead, O.
Herman Bartsch, Weehawken, N. J.
Eustav Bartholme, Syracuse, N. Y.
Geo. W. Bartholomew, Dayton, O.
S. J. Batchlor, Jenkintown, Pa.
Fred C. Bauer, Govanstown, Md.
Chas. L. Baum, Knoxville, Tenn.
F. P. Baum, Buffalo, N. Y.
A. F. J. Baur, Indianapolis, Ind.
J. M. Bayersdorfer, Philadelphia, Pa.
S. H. Bayersdorfer, Philadelphia, Pa.
E. A. Beaven, Evergreen, Ala.
Frank Bennet, Barnard, N. Y.
H. G. Berning, St. Louis, Mo.
Louis Bertermann, Indianapolis, Ind.
John Bertermann, Indianapolis, Ind.
Peter Beuerlein, Elmhurst, N. Y.
A. J. Binley, Glen Falls, N. Y.
John Birnie, West Hoboken, N. J.
Geo. H. Blackman, Evansville, Ind.
Z. D. Blackstone, Washington, D. C.
Geo. H. Blake, Brooklyn, N. Y.
Michael Bloy, Detroit, Mich.
Oscar Boehler, West Hoboken, N. J.
Chas. J. Bolgiano, Baltimore, Md.
J. W. Boone, Clifton Park, Md.
C. Bonnet, Brooklyn, N. Y.
Chas. L. Bowers, Bristol, Tenn.
D. Brennemann, Harrisburg, Pa.
H. Brown, Richmond, Va.
J. J. Brozat, Bloomfield, N. J.
L. D. Bryant, Kingston, Mass.
F. W. Bruenig, St. Louis, Mo.
Aug. Buckholz, Woodside, N. Y.
A. T. Bunyard, New York.
C. J. Burdell, Bowling Green, Ky.
Dan Burgevin, Kingston, N. Y.
Geo. Burgevin, Kingston, N. Y.
T. C. Butler, Niagara Falls, N. Y.
C. Campbell, Wollaston, Mass.
Burrell Cappan, Canandaigua, N. Y.
J. B. Carmody, Evansville, Ind.
W. H. Carney, Pittsburg, Pa.
A. D. Carpenter, Cohoes, N. Y.
J. M. Carri, Cromwell, Conn.
W. H. Cash, Geneva, N. Y.
W. W. Castle, Boston, Mass.
Geo. E. Caton, Zanesville, O.
H. Chessman, Chicago.
Robt. Chesney, Jr., Clear Grove, N. J.
Harmon C. Clark, Chicago.
Thos. J. Clark, Boston, Mass.
Wm. Claus, Pariso, Canal Zone, Panama.
A. M. Coe, N. Olmstead, O.
J. T. Cokely, Scranton, Pa.
W. W. Coles, Kokomo, Ind.
W. E. Cook, New York.
A. G. Coolidge, Cambridge, Mass.
D. T. Connor & Son, Philadelphia, Pa.
Lawrence Cotter, Jamestown, N. Y.
John F. Cowell, Buffalo, N. Y.
F. W. Crighton, New York.
C. E. Critchell, Cincinnati, O.
Jos. H. Cunningham, Delaware, O.
Jas. Curran, Chicago.
Ralph F. Cushman, Sylvania, O.
E. H. Cushman, Sylvania, O.
F. A. Danker, Albany, N. Y.
Henry Daut, Decatur, Ill.
D. W. Davis, Berwick, Pa.
John J. Davis, Urbana, Ill.
J. B. Deamud, Chicago.
A. T. De la Mare, New York.
L. E. Denhirsch, Barker, N. Y.
Edwin Denker, St. Charles, Mo.
Alf. Dietsch, Chicago.
Max G. Dillon, Bloomsburg, Pa.
John Dodds, Wyncoote, Pa.
Wm. G. Dodds, Auburn, N. Y.
F. J. Dolansky, Lynn, Mass.
J. Donalds, Whitestone, L. I., N. Y.
F. E. Dornier, LaFayette, Ind.
H. B. Dornier, Urbana, Ill.
E. E. Dunlap, Boston, Mass.
John H. Dunlop, Toronto, Ont.
S. D. Dyringer, St. Paul, Minn.
W. P. Edgar, Boston, Mass.
Julius Eger, Schenectady, N. Y.
W. C. Eger, Schenectady, N. Y.
Henry Eichholz, Warner, Pa.
P. Einsmann, Astoria, N. Y.
J. W. Elliott, Pittsburg, Pa.
Wm. H. Elliott, Brighton, Mass.
A. H. Ellis, Leamington, Ont.
W. H. Elverson, New Brighton, Pa.
Morris Elvidge, New York.

Wm. Entamann, Jersey City, N. J.
 Wm. H. Ernest, Washington, D. C.
 B. Eschner, Philadelphia, Pa.
 Geo. W. Evenden, Williamsport, Pa.
 E. J. Fancourt, Philadelphia, Pa.
 Adolph Farenwald, Roslyn, Pa.
 J. K. M. L. Farquhar, Boston, Mass.
 E. W. Fengar, Newark, N. J.
 J. S. Fenrich, New York.
 E. A. Feters, Detroit, Mich.
 Michael Fink, Chicago.
 Peter Fisher, Ellis, Mass.
 A. Fitzgerald, Detroit, Mich.
 Thos. M. Fitzgerald, Beaver, Pa.
 N. F. Flittom, Paterson Park, Baltimore, Md.
 Frank A. Floto, Waterbury, Conn.
 E. J. Foley, Chicago.
 Conrad Forbach, Buffalo, N. Y.
 Jacob Forest, Greenfield, Ind.
 John R. Fotheringham, Tarrytown, N. Y.
 J. R. Freeman, Washington, D. C.
 A. J. Freman, Newark, N. Y.
 Aug. Frishkorn, Pittsburg, Pa.
 Chas. Fry, Barnard, N. Y.
 J. Fuller, Leominster, Mass.
 J. T. D. Fulmer, Des Moines, Ia.
 Wm. Galentine, Barnard, N. Y.
 W. W. Gammage, London, Ont.
 H. S. Garland, Des Plaines, Ill.
 G. R. Gause, Richmond, Ind.
 E. B. George, Painesville, O.
 Robert George, Painesville, O.
 John H. Giles, Reading, Pa.
 Jas. Glass, Baltimore, Md.
 Alex. Gloeckner, Milwaukee, Wis.
 Fred Goldring, Slingerlands, N. Y.
 J. T. Goodlive, O.
 D. E. Gorman, Williamsport, Pa.
 Adam Graham, Cleveland, O.
 C. J. Graham, Cleveland, O.
 Geo. L. Graham, Bradford, Pa.
 J. O. Graham, Little Falls, N. Y.
 Wm. Graham, Philadelphia, Pa.
 Herbert Greensmith, Cincinnati, O.
 Thos. J. Grey, Boston, Mass.
 D. G. Grillbortzer, Alexandria, Va.
 Alex. J. Guttman, New York.
 E. W. Guy, Belleville, Ill.
 Geo. W. Haas, Meadville, Pa.
 W. F. Haeger, Chattanooga, Tenn.
 H. Haemann, Owosso, Mich.
 Carl Hagenburger, Cleveland, O.
 Benjamin Hammond, Fishkill-on-Hudson, N. Y.
 R. E. Hannafor, Portsmouth, N. H.
 W. W. Hannell, Watervliet, N. Y.
 Jas. Harzmann, New York.
 Peter Harragaville, Philadelphia, Pa.
 Orlando Harrison, Berlin, Md.
 W. C. Harrison, Painesville, O.
 Herman A. Hart, Cleveland, O.
 John C. Hatcher, Amsterdam, N. Y.
 Joseph Heacock, Wyncote, Pa.
 Henry Heepe, Akron, O.
 J. A. Helfrich, Paris, Ill.
 I. S. Hendrickson, Floral Park, N. Y.
 Fred Henkes, Watervliet, N. Y.
 A. M. Henshaw, New York.
 F. W. Herendeen, Geneva, N. Y.
 Albert M. Herr & Son, Lancaster, Pa.
 Chas. Hewson, Buffalo, N. Y.
 H. A. Higason, Richmond, Va.
 H. N. Hoffman, Elmira, N. Y.
 E. P. Hollner, St. Paul, Minn.
 J. D. Hooper, Richmond, Va.
 H. F. Holton, Milwaukee, Wis.
 H. B. Howard, Chicago.
 C. H. Hudson, Mill River, Mass.
 John D. Inlay, Zanesville, O.
 J. E. Jackson, Gainesville, Ga.
 D. D. Johnson, Chicago.
 James E. Jones, Richmond, Ind.
 B. Juergens, Peoria, Ill.
 Geo. S. Kalb, Catonsville, Md.
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THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE earnest and thorough work of the late E. V. Hallock and President Pierson of the Society of American Florists at New York, Albany and elsewhere in the interests of school gardening, has borne fruit, the New York board of education having recently approved of a scheme to provide the city children with ground, seeds and tools to be used in their garden operations.

EASTER next year will fall on April 16, almost three weeks later than Easter of 1910.

ALPHA ELBERFIELD, of the Alpha Floral Co., Kansas City, Mo., has applied for a patent on a reservoir arrangement, holding water, designed as a jardiniere, to prevent drying out of plants when left in the dwelling house or elsewhere for a long time without water.

We have received from Perry's Hardy Plant Farms, Enfield, Eng., a block of water lily manure, which is made specially for the use of those engaged in the culture of aquatics. The blocks simply have to be sunk near the water lily plant, when they dissolve close to the root and fertilize it, a simple and effective way of supplying food to these somewhat gross feeding plants.

Refrigeration Congress.

THE AMERICAN FLORIST is in receipt of prospectus giving details of the second international congress of refrigeration to be held October 9 to 12, inclusive, 1910, at Vienna, Austria. This pamphlet is embellished with several views of Vienna and adjacent points of interest. Among other matters that will be considered at the Vienna congress will be the preservation of perishable plants, flowers, fruits, vegetables, etc. America, through a joint resolution authorizing President Taft to invite the International Congress of Refrigeration to hold its succeeding meeting in this country, is likely to be the next place where the third international congress of refrigeration will be held. Sufficient interest must be manifested, however, by interested parties to assure selection of this country for that purpose.

The Sweet Pea Show.

ED. AMERICAN FLORIST:—

I read with much interest W. T. Hutchins' "Impressions of the Sweet Pea Show" in your issue of August 6 and am quite at one with him in much that he says, but in weather such as we were—and had been—experiencing, it was impossible and absurd to expect better flowers than the best of those exhibited on that occasion. With the temperature hovering around 90° in the shade, even the giant flowered Spencers will lose much of their waveness and size. It is not that there is aught amiss with the strain—simply "weather conditions." I have seen the same results follow a hot, dry spell succeeding a cool, damp period—in England and Scotland.

Had Mr. Hutchins been privileged to see the Fordhook sweet pea trials this season, he would, I am sure, have agreed that the flowers came pretty near perfection, and almost, if not quite, up to the English exhibition standard. The "original work" to which he refers was also much in evidence here—scores of selections, results of first and second generation crosses—hundreds of this year's crosses, etc. Should Mr. Hutchins have time and opportunity to visit this part of the Atlantic states any time during June he will find the Fordhook sweet pea trials as interesting and fascinating as any sweet pea enthusiast could desire.

I presume that the illustration on page 55, labeled E. J. Dale, is really

meant for E. J. Deal and it might not be out of place to point out to your readers that this variety is synonymous with Dainty Spencer, other names for it being Elsie Herbert, Distinction, Holdfast Beauty, Winifred Deal and Picotee. The variety illustrated on page 54 and named Helen Scott ought to read Janet Scott.

G. W. KERR.

American Rose Society.

ROSES REGISTERED.

CROMWELL, CONN., June 25, 1910.

We wish to register the roses described as follows: Dark Pink Killarney, a sport of Killarney originating with the Montrose Greenhouses, Montrose, Mass., and acquired by A. N. Pierson, Inc., by purchase. It is a sport of Killarney identical with the parent in habit and size of bloom. The color however, is much darker than Killarney at all times of the year. This rose will be disseminated in 1911.

We wish also to register Rose Lady Cromwell, a sport of My Maryland originating with A. N. Pierson, Inc., in 1908. This rose in every way resembles My Maryland except in color. It is a shell pink outside, shading deeper towards the center, which is a creamy yellow, and sometimes quite a deep yellow. During the hot weather, however, the yellow center disappears, and the rose looks very much the color of an Enchantress carnation. It is very fragrant. This rose will not be disseminated until the spring of 1912.

A. N. PIERSON, Inc.

To Benjamin Hammond, Sec'y.

Coming Exhibitions.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, First Regiment Armory, Michigan avenue and Sixteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

HARTFORD, CONN., September 22-23, 1910.—Dahlia exhibition, Connecticut Horticultural Society, Unity Hall.

HARTFORD, CONN., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Milwaukee, Wis., November 7-14, 1910.—Flower Show, Milwaukee Florists' Club, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Eagleson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1632 Alleen avenue, Pasadena, Calif.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., August 22, 8 p. m.—Gardeners' and Florists' Club, Florists' Exchange hall, St. Paul and Franklin Streets.

Cleveland, O., August 22, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., August 26, 8 p. m.—Connecticut Horticultural Society, County building, New London, Conn., August 24.—New London County Horticultural Society, Elks' hall.

Toledo, O., August 24.—Toledo Florists' Club, Winnipeg, Man., August 24.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position wanted in greenhouse, florist's store or private place; 12 years' experience. Key 191, care American Florist.

Situation Wanted—By an experienced rose grower: 33 years old, thoroughly competent to take full charge; can furnish best of references; please state wages and full particulars in first letter. Key 190, care American Florist.

Situation Wanted—Seedsmen, 33 years of age, thoroughly experienced expert in clover, grasses, field seeds, vegetables seeks position in office, warehouse or on farm; will go anywhere. GERARD, 49 Brubacher St., Berlin, Ontario, Canada.

Situation Wanted—By a life experience, all-around florist; experienced grower of roses, carnations, violets, mums and bedding plants; section of roses preferred; middle aged (single, sober) state wages. Address Key 187, care American Florist.

Situation Wanted—A farm manager with life-time experience, also thorough seedsmen and expert in growing of seeds, is desirous to make a change; am acquainted with general farming and truck farming; first-class references as to business ability and character; besides salary a share of the net profit of the farm wanted. Key 175, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting, growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business. address Key 144, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board. COLE BROS., Peoria, Ill.

Help Wanted—Good carnation grower; must be steady and reliable. Address Key 176, care American Florist.

Help Wanted—For greenhouse work; three or four good potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—A rose grower to work under foreman; wages, \$14 per week. Address Key 188, care American Florist.

Help Wanted—Good worker as helper in greenhouses; \$12 per week; steady work to the right arty. Key 192, care American Florist.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties.

VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Grower of general stock, roses, carnations, chrysanthemums and miscellaneous plants for up-to-date commercial establishment. Key 183, care American Florist.

Help Wanted—Two assistant florists for our greenhouses; must furnish first-class references; state wages expected. Apply to the TEXAS SEED & FLORAL CO., Dallas, Texas.

Help Wanted—A good practical florist to take charge of greenhouses and lawn at a large, all the year around resort; good wages and board and room furnished. Address Key 189, care American Florist.

For Sale—Good greenhouse and market garden business; will sell reasonable, \$500 down, balance easy terms; reason for selling have other business. F. W. WEIDMANN, Fort Morgan, Colo.

For Sale—Fine 40-acre farm, with greenhouse and small nursery. Price with team, tools and \$1,500 worth of nursery stock, \$2,100. Great opportunity. Write for particulars. M. BENSON, Dongola, Ill.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe. SUPERIOR MACHINE & BOILER WORKS, 840-850 W. Superior St., Chicago.

For Sale—Well established retail florist business, greenhouses, store, two dwellings, all in good condition; good reason for selling. For further particulars address Key 171, care American Florist.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00 cash. Key 174, care American Florist.

For Sale or Lease—16,000 feet of glass stocked with chrysanthemums, carnations, etc., in a city of 40,000. Production can be sold at home. Large steam-heated eight room house. Would prefer to sell. R. HINRICHS Racine, Wisconsin.

For Rent—Four greenhouses and lots; ½ block from car line; good location; northwest side. R. VIRUS, 5324 Leland Ave., near Milwaukee Ave., Chicago.

For Rent—Greenhouses, 15,000 sq. ft. of glass; new Richardson boiler just installed; 15,000 carnation plants in field; everything ready to plant; rent reasonable. Address L. C. SCHELT, Park Ridge, Ill., or call at Room 710, 34 Clark St., Chicago.

Wanted—Interest in good seed business \$6,000 to \$7,000 cash to invest; state full particulars in first letter. Key 185, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Bankruptcy Sale.

At Public Sale, Sept. 1, 1910, on Premises.

Six good, first-class greenhouses, good condition, plenty of ground; good location; no competition; fine opportunity for cash buyer. Address

E. P. SHUPE, Trustee, Wooster, O.

FOR SALE

One fire-box hot water boiler, capable of heating 6,000 feet of 4-inch pipe, used 4 years; new flues; complete, with grates and smoke box. Price, \$225, f. o. b. here.

GEORGE REINBERG.

51 Wabash Ave. CHICAGO.

Situation Wanted

By grower, aged 17, brought up amongst flowers, etc., by my father, a wholesale and retail florist; good worker; willing to do anything around a greenhouse; state wages, with board. Address

Key 179, care American Florist.

Wanted at Once

An Experienced Young Lady Designer and Decorator.

Good salary will be paid to a first-class artist and saleslady, who must come well recommended. No others considered. Address

JOHN MANGEL, Cor. of Wabash Ave. and Monroe St., CHICAGO.

Retail Store Manager

Advertiser desires to engage a thoroughly competent manager for retail store, well located in a leading western city. This is a good opening for an up-to-date, progressive and reliable man. State age and full particulars of experience and former employment. Address

Key 181, care American Florist.

Situation Wanted.

On or about October 1st I shall be able to accept a position with a good house—one who wishes a good, first-class designer or decorator, capable of managing or acting as buyer. Can give best of references as to ability and integrity. Would like to correspond with any one wishing to hire.

Key 184, care American Florist.

WANTED.

A seedsmen who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

ASTERS FOR EVERYBODY

We have Asters in all grades to suit the cheapest or the most aesthetic taste. Our **GLADIOLI** are from the best growers and consist of the finest named varieties in light and dark shades including the famous America, Augusta, Mrs. Francis King, Nezinscott. Our **ROSES** are improving with the cool nights and the quality of the stock now arriving cannot be beaten in this market. Our **EASTER LILIES** and **AURATUMS** are of fine quality and bound to give satisfaction.

Current Price List:

		Per 100		Per 100	
AMERICAN BEAUTY	Per doz.			CARNATIONS.....	\$1 00 to \$2 00
Long stem.....	\$3 00	BRIDESMAID	\$4 00 to \$5 00	VALLEY.....	3 00 to 4 00
30-inch stems.....	2 50	BRIDE	4 00 to 5 00	EASTER LILIES, per doz.	1 50
24-inch stems.....	2 00	MY MARYLAND, select	6 00	SPRENGERI, 25c to 35c per bunch	
20-inch stems.....	1 50	“ medium	4 00 to 5 00	ASPARAGUS PLUMOSUS,	
15-inch stems.....	1 25	CHATENAY.....	5 00	extra quality per bunch	
12-inch stems.....	1 00	IVORY.....	5 00	35c to 50c	
Short stems...\$4 to \$6 per 100		ASTERS.....	50 to 4 00	FANCY FERNS, per 1000	1 50
RICHMOND select.....	\$8 00	GLADIOLI, named vars	4 00 to 5 00		
“ medium...\$4 00 to	5 00	“ In mixture	1 50 to 2 00		
KILLARNEY, select....	6 00	ROSES, our selection...	3 00		
“ medium. 4 00 to	5 00				

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

Summer Flowers

**New Beauties, Kaiserin, Rhea Reid,
Pink Killarney, Maryland, White Killarney**

These are the Best Roses for hot weather. We devote a whole range of glass to their growth, and our plants are two to five years old, giving big, strong flowers.

Buy Direct of the Grower and Get Fresh Stock

PLEASE SEND YOUR ORDERS EARLY

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

a good crowd left for Rochester as noted below.

Among those who left in the convention special from the Rock Island depot at 5:30 on Monday we noted the following: C. L. Washburn, Michael Fink, M. Barker, John J. Davis, Urbana, H. W. Koerner, Milwaukee, Wis., Mrs. E. M. Bullock, Elkhart, Ind., J. E. Matthewson, Sheboygan, Wis., J. T. D. Fulmer and wife, Des Moines, Ia., Gustav C. Mueller, Milwaukee, Wis., W. J. Keimel, Elmhurst, Geo. H. Blackman, Evansville, Ind.,

J. S. Wilson, Des Moines, Ia., C. A. Woolley, Harmon C. Clark, S. A. Anderson, Buffalo, N. Y., Jos. Streit, Buffalo, N. Y., Nic Zweifel, Milwaukee, Wis., Fritz Bahr and two boys, Highland Park, Arnold Ringler, J. C. Vaughan and wife, Geo. Asmus and wife, J. A. Kramer, Cedar Rapids, Ia., Adolph Poehlmann and wife, Miss Virginia Poehlmann, Miss Vera Poehlmann, Master Roland Poehlmann, Master Walter Poehlmann, August Poehlmann and wife, C. E. Critchell, Cincinnati, O., P. J. Foley, J. A. Valentine, Denver, Colo., N. J. Rupp, Gustave

Swenson, Elmhurst, W. L. Palinsky, D. D. Johnson, Miss Tonner of the A. L. Randall Co., Mrs. Walter Coles, Kokomo, Ind., Jas. C. Curran, C. A. Peterson, Escanaba, Mich., Alex. Gloeckner, Milwaukee, Wis., and J. B. Wiese, Buffalo, N. Y.

Mrs. S. Cooper, 1005 Irving Park boulevard, closed her store for a few days last week, while she attended the funeral of her brother-in-law, Jacob Weis, which was held on August 10.

Max Woich, 4801 S. Robey street, is enjoying a two weeks' vacation at Paw Paw Lake, Mich.

IF YOU ARE LOOKING

For Good Stock

We recommend sending us your orders regularly. You will find our stock equal to the best and better than most. Can supply

GOOD YELLOW 'MUMS

Beauties,

**Jardine,
Killarney,**

My Maryland,

**Richmond,
Field,**

Kaiserin,

**Bride,
Bridesmaid.**

Also Asters, Auratums, Tuberoses, Harrisii Lilies, Valley, Gladioli, and all other stock in season.

Green Goods of all kinds

Asparagus Sprengeri,

Plumosus, Smilax, Ferns

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Sam Pearce, 2137 Clybourn avenue, is busy planting, the chrysanthemums are already in, poinsettias being put in and ferns being potted. There are 25,000 of the latter, both large and small, mostly all being Bostons. The chrysanthemums and asters are used for retail purposes. Mr. Pearce does mostly forcing and cuts lilies at all times of the year. One bench of 2,400 Giganteum of excellent quality are about ready for cutting. The smoke from the railroad darkens the glass to a considerable extent and at present the men are busy scrubbing the glass on both the inside and outside. A few new benches have been put in the houses and the usual summer repairs have been made. Mr. Pearce has 16 houses in all, five men are employed at present and the force is increased in the winter when their busy season is on. Alex Males returned from his vacation, which was spent in Michigan. Mr. Pearce has been in business here for 23 years, he having removed to Chicago from Philadelphia in 1883.

Still another huge addition, this time of 13 houses, each 27x450 feet, is to be made at once to the A plant of the Poehlmann Bros. Co., Morton Grove. Besides this a new brick storage building 60x150 feet, is being erected. The stock in all departments is looking well and remarkably good Beauties are being sent to the store. Already some 150,000 field carnations have been planted on the benches and planting is going on at full swing. August and Adolph Poehlmann, with their wives and children, left for Rochester on the special convention train at 5:30 p. m. on Monday. Business is very brisk at the wholesale store and the stock of all kinds is in first-class order.

At J. A. Budlong's the stock is remarkably fine this week. We particularly noticed the quality of the Beauties and My Maryland roses, also some white outdoor asters that are certainly the best we have seen. The stems are 30 inches and over in length, the flowers large and of exceptional purity. They are as good as early white chrysanthemums. Some of the Trego varieties were also noted and some Kaiserin roses of really magnificent quality and substance.

At the store of Peter Reinberg business is keeping up remarkably well

and last Monday was an exceptionally busy day. Good stock in all varieties continues to arrive, the roses a little short in the stem as yet but of fine color and substance. Miss Corbett has gone for a week's vacation but Tim Matchen is still on hand and wondering when he will be able to get away for his. The store is being cleaned and repainted.

Vaughan & Sperry are receiving the first of the new crop of Beauties from their Indiana growers, who sent them such elegant stock all through the winter and spring season. The flowers are short and medium in stem as yet, but the flowers and foliage are superb and doubtless the longer stemmed flowers will soon be along. White Killarney, too, is coming in great shape. Fred Sperry returned from his vacation August 18.

J. Paulus, 4501 N. Clark street, is about through planting. A few poinsettias remain to be put in the houses. Mr. Paulus and wife spent August 11 at Joliet. George is spending his vacation in northern Wisconsin. Arthur will spend his vacation at the Dells and will leave as soon as his brother returns. The auto is used almost daily for trips to the market.

The flower garden in front of the Chas. Grabig store, 1843 Irving Park boulevard, continues to attract the attention of the public who pass by. The cannas, especially King Humbert, are in excellent condition. Mr. Grabig recently purchased 25 tons of Pocahontas coal and was busy storing it away in the basement at the time of our call.

John Deamud left for his farm in Michigan on Monday evening and dropped off here for a short time on his way to the Rochester convention, going over the Michigan Central. We noticed some extra fine golden glow among the stock at the store, also elegant named varieties of gladioli such as Princeps, Mephistophele and others.

At E. H. Hunt's we noticed C. M. Dickinson back at his desk after his vacation. W. Lynch, C. Pruner and others of the staff have left for theirs, Mr. Lynch going to Michigan. We noted elegant colored and white asters here, also fine Cattleya labiata.

John Mangel has been very busy with funeral work, a large consignment of wreaths, sprays and a fine basket going to the funeral of Mrs. Fisher at Rose Hill cemetery on Monday. A wreath of fine water lilies, Lilium auratum and asters was noted in the Wabash avenue window on Monday, a very fine piece of work.

T. C. Yarnall left for Rochester on Wednesday night to join the bowlers from this city. L. H. Vaughan was already in the east and the other members of the team. Geo. Asmus, P. Olsom and James Wilson, left on the convention special on Monday.

N. J. Wieter and John Sinner are fishing at Hackley lake, Wisconsin. Gus Alles, at the Wieter store, reports everything cleaning up daily at good prices. J. Psenica, foreman at the greenhouses, is under the weather.

George Reinberg has now a fine cut of Cattleya labiata on, the flowers large and of good substance and color. His new crop of tea roses is also coming in fine shape.

Geo. Asmus was accompanied on the Rochester trip by his wife and children; Mrs. Asmus went on to the convention and the children stopped off at Buffalo to visit friends.

Harry Manheim, of the Hoerber Bros.' force, is away on his vacation in Indiana. W. Hoerber reports the young stock looking well in the new houses.

Gus Canger, 40 E. Randolph street, is enjoying a good summer business.

Visitors: Wm. F. Gude, A. Gude, Ernest Gude and A. Gude, Jr., Washington, D. C.; John Davis, Cambridge, O.; F. Walker, Louisville, Ky.; Geo. H. Blackman, Evansville, Ind.; Otto H. Cron, Monroe, Mich.; Fallrath, Springfield; C. S. Ford, Philadelphia, representing A. Herrmann, New York; Harry Balsley, of the Detroit Flower Pot Manufactory, Detroit, Mich.; C. E. Critchell, Cincinnati, O.; C. S. Peterson, Escanaba, Mich.; Robert Daut, Decatur; Joseph Turner, Milwaukee, Wis.; E. Amerpohl, Janesville, Wis.; James Cole, Peoria; the Misses Helenthal, Columbus, O.; August R. Baumer, Louisville, Ky.; Wm. A. Bramley, Cleveland, O.; Robt. Bebb, Muskogee, Okla.; and others whose names are given elsewhere as enroute to the S. A. F. convention.

Cut Flowers : E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO
Long Distance Phone Central 3155.

John Lang, 1948 Melrose street, is busy planting, two houses are devoted to ferns, one to chrysanthemums and three to carnations. The carnations will be put in immediately after the first rain, as the ground is too hard to handle at present. The usual summer repairing has been done. Mr. Lang has a fine stock of Boston ferns, rubber plants, Jerusalem cherries and variegated vincas. Both a wholesale and retail business is conducted here.

Chas. W. McKellar is on the waiting list for membership in the Chicago Athletic club. He and Mrs. McKellar are attending the Rochester convention.

Des Plaines, Ill.

Frank Garland has a couple of houses of fine Kaiserin and is cutting about 800 a day. We also saw here nine benches of white and pink Killarney and Rhea Reid in excellent condition. The chrysanthemums are also in first class shape, Golden Glow will soon be in flower and Bonnaffon will be in flower in September. The men are busy planting and at present are putting in carnations, three houses are devoted to these plants. Two houses of adiantum are in full swing. Mr. Garland is expecting some Paper Whites and 125,000 other bulbs will be in the latter part of September. New cement benches are taking the place of the wooden ones. Mr. Garland makes his own benches, they are portable and can be moved with little difficulty. Several moulds, for bottom pieces, side pieces and posts were seen in the workshop. Mr. Garland has 65,000 feet of glass, the houses are 41x150 feet, 19 feet to the ridges. Every-

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Aug. 17.	
Roses, Beauty, extra select...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chatenay.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney select....	4 00@ 10 00
" " medium.....	2 00@ 3 00
Asters.....	2 00@ 5 00
Chrysanthemums...per doz..	2 00@ 2 50
Cattleyas.....per doz..	4 00@ 6 00
Lilium Harrisii...per doz..	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100.	75@ 1 50
Asparagus Plum, strings, each.	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns.....per 1000.	2 00
Smilax.....	1 50@ 2 00
MILWAUKEE, Aug. 17.	
Roses, Beauty...per doz..	50@ 3 00
" " Bride, Bridesmaid.....	3 00@ 6 00
" " Killarney.....	3 00@ 8 00
" " Richmond.....	3 00@ 6 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Gladioli.....	3 00@ 5 00
Lilium Giganteum...per doz..	1 50 10 00
Lily of the Valley.....	3 00@ 4 00
Magnolia.....	2 00@ 3 50
Snapdragon.....	2 00@ 4 00
Sweet Peas.....	25@ 50
Adiantum.....	1 50
Asparagus.....per string.	50@ 60
" " Plumosa, per bunch.	35@ 50
" " Sprenger.....	30
Ferns, Fancy.....per 1000.	1 50
Galax.....per 1000.	1 50 20
Smilax.....per doz..	1 50

thing is in fine condition and the houses well kept up.

The Des Plaines Floral Co. is busy planting, 19,000 carnation plants are being put in. In speaking of cement benches Messrs. Blewitt and Prickett stated that one of the advantages over the wooden benches was, that the concrete bench gave perfect drainage while the wooden ones had a tendency to swell and this obstructed the drainage. At present nine benches of Garland construction are used in the greenhouses, and have proven satisfactory. The stock is in fine condition

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINE, ILL.

Store: 51 Wabash Avenue CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

BE YOUR OWN COMMISSION MAN

—AT THE—

Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

and little or no trouble was experienced with insects. Inspection of the carnation stock proved it to be in first-class condition, undoubtedly due to the fact that the stock was kept well watered during the dry season.

The wells of W. S. Garland, Fletcher James and Frank Garland ran dry last week and a supply was pumped from river.

Dayton Floral Company

W. G. MATTHEWS Proprietor.

20,000 Square feet of Glass

DAYTON, = OHIO.

CITY STORE, 16 West Third | THE LEADING FLORISTS,
"Phillips House" RIVERDALE,

Home Phone 2893.

Bell Phone 3924.

Home Phone 6666.

Bell Phone 665-

Cut Flowers a Specialty for all occasions in any arrangement.

Wanted to Represent Reliable Florists in this community when anything up-to-date is required in the floralline. Best of references supplied. 26th business year for W. G. Matthews.

C. A. KUEHN, Wholesale Florist,

1122 Pine Street, ST. LOUIS, MO.

Both Long Distance Phones.

SUPPLIES EVERYTHING IN SEASON.

Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities. Mention the American Florist when writing.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

New Plants in England.

Referring to the novelties exhibited at the recent Holland House show in London, the "Garden" comments as follows:

Rose Juliet.—This rose has already been fully described. The flowers are large, rather globular in shape, and very double. The outer surface of the petals is clear golden yellow and the inner bright cerise, the effect being a delightful combination of the two colors. The flowers are exceedingly fragrant. Shown by W. Paul & Son, Waltham Cross. First-class certificate.

Rose Mary Countess of Ilchester.—A hybrid tea rose of much beauty, the flowers being full, fragrant and brilliant crimson carmine in color. Award of merit.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	BOSTON, Aug. 17.	Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@ 4 00	
" Bride, Bridesmaid	1 00@ 4 00	
" " Extra	5 00@ 6 00	
" Killarney and Richmond	1 00@ 6 00	
" My Maryland	1 00@ 8 00	
" Carnot	2 00@ 8 00	
Carnations, select	75@ 1 00	
" fancy	1 00@ 2 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	2 00@ 4 00	
Smilax	12 00@16 00	

	St. Louis, Aug. 17.	
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@ 4 00	
" Bride, Bridesmaid	2 00@ 5 00	
" Killarney	3 00@ 5 00	
" My Maryland	3 00@ 5 00	
" Richmond	3 00@ 6 00	
Carnations	1 00@ 1 50	
" fancy	1 00@ 5 00	
Asters	8 00@10 00	
Easter Lilies	20@ 1 50	
Sweet Peas	2 00@ 3 00	
Adiantum	12 50@15 00	
Asparagus Sprengerii		
Smilax		

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS and PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768.

Field-Grown Carnation Plants

We guarantee all plants to be in good healthy condition. Let us know what varieties you want, or send for complete list and prices. All plants we offer are ready for shipping now.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m.
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226
Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

Philadelphia.

The business of the past week was a slight improvement over that of the previous one, though there has been no increase in prices worthy of note. Orchids are rather scarce and possibly a few sold as high as 75 cents each, but as the demand is limited it is safe to state that more sold for lower figures. Very good American Beauty roses are coming in, but they move slowly. A few sell for 25 cents each, but the bulk of the stock goes for lower prices. The quality of Kaiserin roses is somewhat improved, but Killarney, Bride, and Bridesmaid are indifferent. A few of the best quality asters are now arriving. Gladioli are plentiful enough, but many are of indifferent quality. While there are a few carnations, they are not a real factor in the market. Hydrangeas and various other stocks are seen. Good lilies and lily of the valley are worthy of note.

NOTES.

A merry company left the Reading terminal at 10 a. m. August 15, bound for the Rochester convention. Prominent were the following well known members of the craft: Robert Craig and wife, John Westcott, A. Farenwald, Fred Michell, of H. F. Michell Co., Edward Reid and son, I. O. Thilow of Dreer's, Leo Niessen, Tanner, of Ratcliffe & Tanner, Richmond, Va., J. Wolff, Jr., and Theodore Shober. The bowling team was on the same train. It is composed as follows: W. Robertson, Wm. Graham, J. H. Dodds, S. J. Batchelder and Frank Adelberger. Others who took a later train were: E. J. Fancourt of the Pennock-Meehan Co., D. T. Connor and T. B. De Forest of Lord & Burnham Co., New York. W. P. Craig, manager of the Norwood range of the Robert Craig Co., and his foreman, Duncan Macaw had previously departed for Rochester to get their exhibit arranged. S. S. Pennock is not going to the convention, but his partner, Chas. Meehan, will be seen. In addition to those mentioned, a number of others, including John Burton and Jos. Heacock, are expected to reach Rochester by autos or aeroplanes.

John McIntyre is selling narcissus bulbs from the bulb farms of the Poat Bros., Highland Park, Richmond, Va. He sold these products last year and says that they gave better satisfaction than foreign grown bulbs. Mr. McIntyre is now handling a large stock of long stemmed asters.

Berger Bros. report good business during the past week. They are particularly strong on Kaiserin roses.

W. E. McKissick is now handling a fine quality of American Beauty roses.

Wholesale Flower Markets

PHILADELPHIA, Aug. 17.		Per 100
Roses, Beauty, extra.....	15 00@20 00	
" " first.....	8 00@10 00	
" " Brides and Maids.....	1 00@ 5 00	
" " Killarney.....	1 00@ 6 00	
" " White Killarney.....	1 00@ 5 00	
Carnations.....	1 00@ 2 00	
Asters.....	75@ 2 00	
Cattleyas.....	50 00@75 00	
Gladiolus.....	2 00@ 4 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 3 00	
Snapdragons.....	4 00@ 8 00	
Sweet Peas.....	25@ 50	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch	50	
Smilax.....	15 00@20 00	

PITTSBURGH, Aug. 17.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" " extra.....	8 00@12 00	
" " No. 1.....	4 00@ 6 00	
" " Bride, Bridesmaid.....	1 00@ 4 00	
" " Chateau.....	1 00@ 4 00	
" " Killarney.....	1 00@ 4 00	
" " My Maryland.....	1 00@ 4 00	
" " Richmond.....	1 00@ 4 00	
Carnations.....	1 00@ 2 00	
Asters.....	1 00@ 2 00	
Gladioli.....	2 00@ 5 00	
Lilium Longiflorum.....	6 00@ 8 00	
Lily of the Valley.....	3 00@ 4 00	
Sweet Peas.....	25@ 50	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch,	50	
" " strings... per string,	50	
" " sprays... per bunch,	50	
Smilax.....	15 00	

CINCINNATI, Aug. 17.		
Roses, Beauty.....	1 00@ 3 00	
" " Bride, Bridesmaid.....	2 00@ 6 00	
" " Golden Gate.....	2 00@ 6 00	
" " Killarney.....	2 00@ 6 00	
" " Richmond.....	2 00@ 6 00	
Carnations.....	1 00@ 2 00	
Callas.....	10 00	
Daisies.....	50	
Lilium Album and Rubrum, per doz.	50	
Lilium Auratum..... per doz.	1 50	
Lilium Longiflorum.....	10 00@12 50	
Lily of the Valley.....	3 00@ 4 00	
Adiantum.....	1 00@ 1 50	
Asparagus Sprengeri, per bch.	25	
Smilax.....	12 50@15 00	
Gladioli.....	3 00@ 4 00	

Baltimore.

The extreme dryness and heat continues, and though there have been some showers their distribution has been very erratic. There has been relief in some districts, but the bad effects of the prolonged drought is seen very markedly in others and growing crops are damaged in many cases beyond redemption. Considering the inauspicious season and the customary flight from the city of so many of the population, business continues fairly good. One or two large funerals last week made heavy requisitions for showy flowers. The burial of Joe Gans, the fistic champion, was marked by a great crowd of people and the contribution of floral decorations by his admirers is described as something immense. The mortality lists are heavy and the daily supply of good flowers is not more than sufficient for

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURGH, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburgh Florists' Exchange,
15 Diamond Square, PITTSBURGH, PA.

current calls. Asters are very inferior in quality, and their numbers are much less than the normal owing to the unsatisfactory weather conditions.

The Gardeners' Club, at its meeting August 8, determined to invite the Society of American Florists to hold its meeting of 1911 in this city. A large delegation composed of members of the club and others on the train left here on Monday morning by the B. & O. route. A special parlor car was assigned to the party and it was handsomely decorated with flowers and greenery. The Washington contingent in its own car joined the train at the station and good fellowship, hilarity and kindly association prevailed throughout the two delegations. Following is a partial list of those composing the party from this city: Isaac H. Moss and wife, Fred C. Bauer and wife, Jos. C. Boone and wife, Chas. L. Seybold and wife, S. W. Tilton and daughter, Richard Vincent, Jr., and wife, Richard A. Vincent, L. H. A. Klein and wife, Harry Lohr, John J. Perry, N. F. Flitton, John A. Nuth, Mack Richmond, Geo. Morrison, Jacob Keplinger, Geo. S. Kolb, Chris. Gregorius, Jas. Glass and wife, Harry Quirk and wife.

Miss Lilian Wright, assistant in the office of the Florists' Exchange, and who was popular with all having business therein, has resigned, the heavy pressure of the work proving too much for her health. S. B.

New York.

WORST WEEK OF THE SEASON.

Market conditions for the past week have been the worst of the season. The effect of the much needed rain of Wednesday and Thursday is already quite noticeable in the quality of outdoor stocks, but although said stocks are in much better condition than previous weeks it is next to impossible to move them at anything that resembles a price at all. Buyers are a rarity at the market, which condition, however, is not unusual at this season. And while the amount of stock which at other times would be quite salable and is now consigned to the ash barrel is considerable, this fact is probably due to the volume of stock arriving, exceeding that of other years at this season and is not to be regarded with any alarm. Roses are arriving in about the same condition as last week, small, and in many cases mildewed. Carnations are about over for the present, very few arriving and not very good at that. Gladioli are arriving in better condition but are hard to move. While fair prices can be obtained for the best asters, large quantities are sold at buyers' prices. Quantities of hydrangeas, tritomas and cosmos are now arriving, but like everything else are lacking purchasers. Some good dahlias have been noticed, but somehow they are not attracting much attention from the buyers. Orchids are getting scarcer, while lily of the valley, although not as plentiful, is, like other stock, immovable.

NOTES.

J. H. Small & Sons are taking advantage of the dull season to give their Broadway store a thorough overhauling. Enlarging the ice box, decorating the ceiling and side walls, a new marble slab at the door and new signs are some of the improvements this firm is making. In spite of the foregoing conditions, however, they still maintain their magnificent window display of aquatics which attract the passing throngs on Broadway.

John I. Misner, with Butler's, on Broadway, sustained severe bruises while touring the Catskills in his new auto last week. Rounding a curve at quite a lively clip the auto skidded, bringing up against a rock, the shock throwing him out of the auto and over an embankment; he is now able to be around as usual, although still wearing bandages on his arm.

The term "it's an ill wind that blows nobody any good" could readily be applied in the case of the several Hoboken florists, as the attempted assassination of Mayor Gaynor has brought them considerable unlooked for business delivering flowers to the hospital from his many friends and admirers.

Jas. Mallon & Sons, Brooklyn, are making extensive alterations on their Smith street store. Owing to the Bijou theatre taking part of their greenhouse away they have been compelled to build an addition on the other side, consequently they will not lose any room by the operation.

R. Gretsche announces that he has taken over the business of Ordenez Bros., West Twenty-eighth street, which will now be run under the name of R. Gretsche instead of Gretsche & Ordenez Bros.

Forster & Mansfield Co. is taking advantage of the slack period to manufacture a supply of Christmas tree stands for the coming season.

S. J. Clark, Mt. Vernon, is building a new greenhouse on the outskirts of the city and expects to have it finished by September 1.

Bonnet & Blake will attend the convention with a party. Bonnet is at present enjoying a fishing trip on the Sound.

Gilmore Clarke, of Clarke Bros., leaves Monday for a trip to the White Mountains and Maine resorts.

Buffalo and Western New York's NEW

Wholesale Cut Flower House

Open September 1, 1910.

GOOD & HALLIDAY, 74 E. Genesee Street

Everything in **Cut Flowers, Galax, Leucothoe** and **Laurel**, other **Greens** in their Season. *********

BOTH PHONES

Long Island Florists' Club Bowling Score.

	171	190	183	199	200	160	183
Donaldson	171	190	183	199	200	160	183
Kessler	176	167	158	156	179	140	162
Miesem	158	190	162	149	150	158	161
Emmann	158	150	162	150	160	145	154
H. Siebrecht	160	140	150	157	148	153	151
Average bowling for the club							162

New York Special to Rochester.

ENROUTE.

All aboard, toot! toot! and the New York florists' convention special is off. A superbly equipped train of four cars with as jolly a lot of people as ever rode over the Lehigh Valley or any other railroad. The transportation committee has left nothing undone for the comfort of members or their friends, even to refreshments, of which there are an abundance, and the buffet car, needless to say, is being well patronized by the men folks. Business cares were left behind on entering this palace on wheels, and the genial spirit which always prevails when florists meet on an occasion of this kind is if anything more evident than ever.

Arrive at Glen Summit Springs where a bountiful dinner is waiting in the main dining room of the luxurious Glen Summit Springs hotel.

Chicken Gumbo	Consomme Printaniere	Royal
Sweet Mixed Pickles	Olives	Chow Chow
Gherkins	Pearl Onions	
Baked Weak Fish	Sauce Jenoise	
Pommes Chateau		
Sweet Bread Cutlets	Petit Poise	
Filet of Beef	Tournedos Bordelaise	
Prime Ribs of Beef	au Jus	
Philadelphia Capon	Giblet Sauce	
Mashed Potatoes	Boiled Potatoes	
Stewed Sugar Corn	Asparagus Hollandaise	
Lettuce with French Dressing		
Apple Pie	Rice Pudding	Custard Sauce
Chocolate Ice Cream	Assorted Cakes	
Roquefort Cheese	Edam Cheese	American Cheese
Saltines	Bent Water Crackers	Coffee

Situated on a knoll above the railroad tracks with its spacious verandas crowded with guests displaying an eager interest in the disembarking and embarking of the New York delegation and their guests. Wm. Warburton, the proprietor and manager, is a relative of Alex. McConnell, the Fifth avenue florist, and to whose courtesy and able management is due the fact that the sumptuous meal provided by him for the transportation committee to its guests was served without waiting or a hitch of any kind.

After dinner A. L. Miller, president of the New York Florists' Club, made a short address calling for a vote of thanks to the transportation committee for the able manner in which they had conducted affairs, which was heartily responded to by all present. P. O'Mara also took advantage of this opportunity to make a short speech,

asking for the support of members present in nominating Geo. Asmus of Chicago for president of the S. A. F. at the coming election. C. H. Totty also made a short address favoring the election of directors instead of by appointment and the appointment of secretary and treasurer instead of by election. Arriving in Rochester, 9 p. m., perhaps the only regrettable feature on this occasion is the fact that only a few New York retailers were present. The following were on the train:

Jas. Kidd, New York; C. H. Totty and wife, Madison, N. J.; L. Schmutz and wife, Brooklyn; R. E. Berry, Elizabeth, N. J.; Peter Beuerlein and wife, Elmhurst, L. I.; Jos. Manda, West Orange, N. J.; R. J. Young, Bedford; F. A. Bolles, Brooklyn; W. A. Manda, South Orange; Miss Perle Fulmer, Des Moines, Ia.; Phil Manker, Brooklyn; Arthur Buckholz; Anton C. Schultheis, College Point, L. I.; Mrs. J. Donaldson, Whitestone, L. I.; Mrs. H. Brown, Richmond, Va.; Chas. Arnold and wife, Astoria, L. I.; Otto F. Ernst and wife; Chas. T. Beasley and wife; J. McHutchison, New York; G. W. Crawbuck, Brooklyn; Chas. Weber and wife, Lumbrook; I. L. Powell, wife and son, Millbrook; Henry Weston and wife, Woodside; G. Myer; M. O. Stark; Alfred T. Bunyard; Oscar Boehler, West Hoboken, N. J.; H. E. Steinhoff, West Hoboken, N. J.; A. L. Miller, Brooklyn; F. H. Traendly and wife; Harry Bunyard; J. J. Haynes, Bethlehem, Pa.; A. H. Langjahr; J. A. Shaw and wife, Brooklyn; Jas. Meiklejohn, AMERICAN FLORIST; J. A. Pepper and wife; Wm. Kessler; Geo. Dreyer, Woodside, L. I.; P. O'Mara; Julius Roehrs, Jr., and wife, Rutherford, N. J.; W. H. Siebrecht, Jr., and wife, Astoria, L. I.; Walter Sheridan and wife; P. J. Giattas; Ernest W. Hale, East Orange, N. J.; Robert Chevray, Montclair, N. J.; G. R. Prowkovski, White Plains, N. Y.; J. H. Fiesser, North Bergen, N. J.; J. K. Allen, New York; Chas. A. Zvolanek, Bound Brook, N. J.; A. Dallas, Waterbury, Conn.; C. Bonnet, wife and family, Brooklyn; M. De Muesy and wife, Brooklyn; G. H. Blake, wife and family; R. Marquardt, Middle Village, L. I.; J. A. Wollnaad and wife, Brooklyn; W. H. Kuehler and wife, Brooklyn; A. Molze and wife; Mrs. J. M. Lyon and son, Madison, N. J.; John Reimels and wife, Woodside, L. I.; Jas. Dean and wife, Brooklyn; John G. Esler and daughter, Miss Helen J., Saddle River, N. J.; E. W. Holt; F. Mouncey, South Orange; W. Rehm, New Orleans; W. B. Du Rie, Rahway, N. J.; G. Gerrean, wife and family, Jersey City; H. Komitsch and wife, Secaucus, N. J.; G. H. Keefe and wife, Madison, N. J.; Miss Keefe, Madison, N. J.; J. V. Phillips and wife, Brooklyn; Miss P. Phillips,

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street, New York
To out-of-town florists
We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago



Give us a
Trial
We can
Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Brooklyn; Anton Schultheis, Scranton, Pa.; Miss E. D. Schultheis, Scranton, Pa.; Mrs. E. A. Schmeff, Scranton, Pa.; Mrs. Turnbull and son, Carbondale, Pa.

Buffalo.

Trade is very quiet and the supply of stock is fair. Asters are good. Everything at present is Rochester and indications are for a banner convention. The Rochester boys are ready for all comers.

Vacations are still in order. Miss Sauer of S. A. Anderson's is at the Thousand Islands. Miss Goehring is in Warren, Pa.

Good & Halliday, the new wholesale florists, are about ready for business. W. C. Buechi of Pine Hill was in Rochester last week on business.

The Buffalo bowlers are in fine shape.

Visitors: E. C. Ludwig and son, Fred Burke and W. H. Carney of J. B. Murdoch & Co., Pittsburg, Pa.; F. R. Mitman of the J. B. Heiss Co., Dayton, O.; Hugo Schroeter, Detroit, Mich. Emil Schloss, New York. BISON.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET,
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID.

Wholesale Flower Markets

NEW YORK, Aug. 17.

Roses, Beauty, special.....	8 00@20 00
extra and fancy.....	3 00@ 8 00
" " No. 1 and No. 2.....	50@ 2 00
" " Bride, Bridesmaid, special. 2 00@ 3 00	
extra and fancy.....	50@ 2 00
" " Killarney, special.....	2 00@ 3 00
extra and fancy.....	1 00@ 2 00
" " No. 1 and No. 2.....	25@ 1 00
" " Kaiserin, special.....	5 00@ 6 00
extra and fancy.....	2 00@ 4 00
" " No. 1 and No. 2.....	25@ 1 00

Carnations.....	1 50@ 2 00
Chrysanthemums, per doz., 1 00	
Cattleyas.....	35 00@65 00
Dahlia.....	75
Gladiolus.....	25@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	3 00@ 4 00
Lily of the Valley.....	1 00@ 2 00

Asters vary so much that they cannot be quoted.

BUFFALO, Aug. 17.

Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@ 4 00
" " Bride, Maid, Killarney.....	2 00@ 6 00
" " Kaiserin.....	4 00@ 7 00
" " Pres. Carnot.....	4 00@ 7 00

Carnations.....	1 00@ 1 50
Asters.....	40@ 2 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....per bunch, 3c@5c	
Water Lilies.....	3 00@ 5 00
Adiantum Croweanum.....	1 25@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000, \$1 50	
Galax, green and bronze.....	1 50
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

PEKIN, ILL.—Geo. A. Kuhl is in the east attending the convention and will return about September 1, visiting Chicago enroute.

PEORIA, ILL.—B. Juergens is using a very handsome pictorial post-card in the shape of a colored view of his store, residence and grounds.

SAN DIEGO, CALIF.—The August out-of-town meeting of the San Diego Floral Association will be held on 25th inst. at the home of Mr. and Mrs. R. C. Allen, Bonita, California.

SAN FRANCISCO, CALIF.—H. Kempf recently purchased the Pacific nursery from F. Ludeman and is now running the business. Mr. Kempf is an experienced nurseryman and likely and keeps his stock in perfect condition.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square
Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

KESSLER BROS.,

450 Sixth Ave., NEW YORK
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square

—FLOWERS SHIPPED BY—

P. J. SMITH,

Are the best product of the best growers
for the New York market.

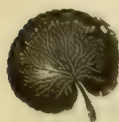
Adiantum Croweanum, sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

NEW CROP

Ferns, Galax and Leucothoe Sprays.



at a Low Wholesale Price.

Send us your orders at once if you want the cream of the season. We live in the evergreen regions and are prepared to



fill your orders properly. Just give us a trial order.

PRICES:

Green Galax 35c per 1000
 Fancy or Dagger Ferns 50c per 1000
 Green Sprays, 10 to 16 inches \$1.00 per 1000
 Green Sprays, 16 to 24 inches 1.75 per 1000

J. B. PRESNELL & CO., Watauga Falls, N. C.

Boston.

GOOD SUMMER BUSINESS.

The conditions of the market have changed but a very little from that of a week ago. Asters are much more plentiful and of much better quality; the good ones are bringing a profitable price, but there are many that are of so poor a quality that they sell at unremunerative figures. Carnations are growing scarce; a few outdoor blooms being sent in and one or two of the growers are receiving a limited quantity from the plants benched this year, which are, of course, short stemmed as yet. Roses are about as last reported. While there are some very handsome Kaiserins being offered, pink and red are of inferior quality and these as well as the Beauties offered must be disposed of early as they open up the day after being purchased. Lilies are still of excellent quality and are quite plentiful both Longiflorum and Lancifolium. Gladioli are very plentiful and in great variety. The better grades bring good prices. Some very showy vases of tritoma (red hot poker) are seen in the show windows and some very handsome exhibits of nymphæas are shown in some of the stores. The trade is about as has been reported for the last week or two but the wholesalers all report an exceedingly good summer trade surpassing that of previous years.

NOTES.

A very sad accident happened in Robinson's new quarters on Friday. Joseph Murray, one of the errand boys was crushed and instantly killed in the elevator. He was only 15 years old and while he worked in the store on Province street seemed possessed to ride the elevator in the other building. He had been frequently warned by the members of the concern and elevator operator to leave the elevator alone but it is supposed that he took advantage of momentary absence of the operator, started the elevator and jumped aboard, his body being caught as the elevator passed the top of the door. It took more than an hour for the combined efforts of the police and firemen to remove the body.

The base-ball team from Rose Farm, Madbury, N. H., came down on Saturday to play the market boys a return game. They were entertained by the boys here and then all proceeded to Belmont, the home team being very anxious to wipe out the defeat which was administered to them last month in New Hampshire, but the Madbury boys put up too strong a game and after a hard and prolonged struggle won by the score of 3 to 2 in 10 innings. The market team were without the services of their pitcher Solar, but Walter Aylward filled the position and did very creditable work.

The principal items of interest among the trade are the comings and goings of the vacationists. Monday will see the return of many and the following departures are reported: Miss Dickie, bookkeeper at Penn's starts for Bethlehem, N. H. Miss



FANCY.

\$1.00 per 1000

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax \$1.00 per 1000; \$8.50 per 10 000
 Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000
 Southern Wild Smilax, Branch Laurel, Laurel Festooning,
 Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
 15 Province Street and 9 Chapman Place,

BOSTON, MASS.



DAGGER.

\$1.00 per 1000



FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50
 Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
 Leucothoe Sprays, Green and Bronze \$1.00 per 100; \$7.50 per 1000
 Boxwood per bunch, 35c; 50-pound case \$8.50
 Log Moss, in barrels for hanging baskets \$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Greens, Galax, Leucothoe, Evergreens and Ferns

Laurel Wreathing, Needle Pines and Sheet Moss

Shipped to all parts at lowest prices. We are strictly wholesale.

Write for present prices and full particulars to

SWAN & CLEGGIN,

Roan Mountain, Tenn.

New Crop Ferns

FANCY and DAGGER ready May 1st.

Special price for large orders

Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,

Evergreen,

Alabama

Monahan, bookkeeper at Stephen Quinn's, Brookline, goes to Winthrop. Benjamin Snyder of H. M. Robinson & Co., starts with his family to Contocook, N. H. W. F. Chase at Zinn's goes to Wells' Beach, Me., with his family.

A contemporary accuses your correspondent of showing his friends around town in an automobile. We would like to say that the story is fiction for we are not all given to automobile riding, in fact, have a little of the antipathy of the country farmer to the "chug wagon" and we would also add that we have found plenty to do this summer, having had very little leisure time.

The local party to the convention numbered nearly 60. Vice President Pierce had 50 names on his list the first of the week and more to hear from. They left Monday so as to arrive in Rochester Monday evening and be on hand early Tuesday morning at the opening exercises.

A letter received this week from Joe Maigolis of H. M. Robinson was posted at Florence, Italy. He has traveled in Holland, Germany and Switzerland and will now traverse France to England, whence he returns.

John Rogers, who has been doing the market work for Penn this summer had an unusual smile this week. "There's a reason," a new arrival at the house, a girl.

F. W. Robinson, formerly chauffeur for Peirce Bros., has accepted the position of chauffeur for President Taft at Beverly.

George T. Butterworth of South Framingham, is expected home the middle of the week. E. A. W.

Boston Flower Exchange

The Original Park St. Market.

Auction Sale of Stalls

Saturday, Aug. 27th,

at 9 o'clock a. m.

W. C. Stickel, Pres. Geo. Cartwright, Treas.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.

parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., New York
 Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

MOSSSES

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.

Long Distance Phone.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.



WASHINGTON

D. C.

Gude's

Washington,

D. C.

14th and H Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

Davenport, Ia.

Throughout the past week the cut flower trade was about as slow as it could be without coming to a complete standstill. Funeral work was about all that kept anything moving. Summer flowers never were as scarce as they are at present owing to the driest weather experienced here for over 40 years, and the few flowers that do find their way to the market are flowers in name only. Outdoor asters are small and poor. It is a month since we had any rain, the glass registering nearly 95° every day. Much of the indoor stock is of indifferent quality, although some very fair roses and asters are now coming in.

FLORISTS' CLUB MEETING.

The Tri-City Florists' Club meeting was held at the home of Ludwig Stapp of Rock Island, Ill., and found nearly every member of the society present. The club first inspected the new range of houses (which is one of the largest and most modern in every way in this part of the country) and found the crops therein in first-class shape, with an excellent crop coming on and very bright prospects for the season. The chrysanthemums and carnations have all been housed and have taken a good start, and all show the care of a master hand. The picnic committee reported all bills paid and still a few shekels in the treasury. The evening topic for discussion was "Carnations—Indoor and Outdoor Culture." A discussion followed as to the merits of some of the newer varieties. After the coal question, and some minor subjects were gone over, the club adjourned to the dining room, where a banquet was held and a social hour enjoyed over the best the land affords, and Mississippi bubbles and Havana cigars. The club accepted J. Staack's invitation to meet at his residence in Moline on the second Thursday in September.

NOTES.

J. W. Davis (of cucumber fame) is at the Davenport hospital, having contracted typhoid fever while out camping. He has been very low, but is holding his own and chances are now favorable for a speedy recovery.

Uncle John Temple is the official representative of the club at the convention of the S. A. F., and the only one to get away from business cares long enough to get that far from home.

Harry Bills has started the erection of another new house, and has just finished two others and is busy engaged housing carnations.

Wm. Knees, of Moline, is changing his heating system from steam to hot water and is installing a fine new Kroeschell boiler.

Henry Pauli is building cement benches in all his new houses and has everything in fine shape for the coming season.

Bulbs are arriving and are keeping the boys hustling putting them away. Carnation planting is about completed.

Mrs. Bahr, the mother of Fritz (Andy) Bahr, has been quite ill for the past two weeks.

Staacks of Moline are busy glazing their new range of houses at Watertown, Ill.

T. E.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1583

Mention the American Florist when writing

Denver, Colo.

The Park
...Floral Co.

J. A. VALENTINE, President.

Mention the American Florist when writing

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main

14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Mention the American Florist when writing

Montreal.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand. Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England PointsTo THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Providence.

THE BUSINESS.

This week's market is somewhat better than last owing to a scarcity of first-class flowers. There was some good funeral work and a few weddings. Counter trade was also somewhat better. Asters are plentiful but not first-class; tuberose are coming in limited quantities. Hydrangea paniculata is in great abundance but moves slowly. The gardens are now ablaze with all kinds of flowers but there is little demand for this class of stock, though cemetery bouquets use up some of it. Lilies, lily of the valley, orchids and green goods are equal to the demand. The weather is perfect, neither temperature nor humidity too high, with cool nights.

NOTES.

John J. Johnston, of Johnston Bros., visited New York the past week and shipped home several cases of large plants to be used the coming season for decorative work. This firm has just completed remodeling its store with all new fixtures, including a very artistic refrigerator and bookkeeper's desk. Robert Johnston has returned from his vacation at the White mountains.

A representative of the Crowl Fern Co., of Millington, Mass., was in town the past week and received an order from the Abbott Decorative Co. for 10,000 yards of laurel roping for first week in September to be used in the decoration at the convention of deeper water ways.

The partnership heretofore existing between Frank G. Smith and John W. Hall, of Warwick, under the name of the Frank G. Smith Forestry Co., has been dissolved by mutual consent and Mr. Hall is continuing the business.

H. Howard Pepper, proprietor of the Melrose Rose Gardens on Elmwood avenue, has been appointed a director of the Industrial Trust Co., one of the largest banking institutions in this city.

The final meeting of the creditors of F. L. Ziegler of Newport was held recently at the office of the referee in bankruptcy. The trustee's account was allowed and the trustee discharged.

T. L. O'Connor and wife have re-

Brooklyn, N. Y.

John Phillips

FLORIST

272 Fulton Street.

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

turned home from an automobile trip through the Berkshire mountains in Massachusetts and the White mountains in New Hampshire.

Charley L. Hunt has reglazed and repainted his greenhouses. Mr. Hunt had about 1,000 broken panes of glass to replace caused by the hailstorm in July.

Robert Hunnicks, for many years gardener at the Breakers, at Newport, has resigned his position to take a position with William Maxwell at Rockville, Conn.

Frederick C. Green, superintendent of parks, attended the annual convention of the American Association of Park Superintendents at Harrisburg, Pa.

Eric Boneriet, manager for Mrs. Wm. Butcher, is making an extensive trip abroad and is visiting England, Holland and Belgium.

Arthur C. James is having a new range of greenhouses erected on his estate at Newport by the Wilson Hoyt Co., of New York.

Walter S. Sword, of Valley Falls, has just completed a new greenhouse 30x100 feet and has rebuilt all his old houses.

Joseph Kopelman has just completed retouching his store and installing a new steam boiler to heat the same.

Arthur Curtis Brown, of Newport, is building a new range of greenhouses on his estate in that city.

William H. O'Connor and family are occupying a cottage at Seaconnnet Point during the month.

Herman Dolbeck, with E. A. Chipman, of Woonsocket, is enjoying his vacation at Newport.

William Jurgens, of Newport, was in this city during the past week taking orders for his gladioli.

Samuel Resnich, with Joseph Kopleman, has gone to Block Island for a two weeks' vacation.

Ernest Johnson, with T. J. Johnston & Co., is spending his vacation at Narragansett Pier.

M. J. Leach & Sons, of Pawtucket, have just completed a new greenhouse 35x125 feet.

A. Holscher is sending in the first chrysanthemums of the season. They are Golden Glow.

Edward T. Buckingham, seedsman, of Brooklyn, N. Y., was a recent visitor to this city.

The William Grosvenor place at Newport is erecting a new range of greenhouses.

Frederick Dietz is to build an addition to his greenhouses on French street.

W. S. Pino and wife are at Quonochontang Beach for a month's vacation.

Miss Marcella M. Johnston is spending her vacation at Block Island.

J. BRINTON.

Pittsburg.

Business picked up a little the past week due to a rush of funeral work. Outside of that it would be quite dead. Stock is coming just about the same. Gladiolus America is very scarce.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

WILLIAM L. ROCK, Flower Co.,

Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Kansas City

HEADQUARTERS

Alpha Floral Co.

1105 Walnut St., Kansas City, Mo.

New York.

MYER, FLORIST,

609-611 Madison Ave.
Phone 5297 Plaza.

Other sorts are going very cheap. Asters will likely be scarce during the next two weeks.

F. H. Westhoff, of Westhoffman, is putting the finishing touches on his bungalow, which is going to be the finest in the county.

Sidney Gibbs, of A. W. Smith Co., who has been doing landscape work through the state of Ohio the past three months, is back.

J. B. Smith, of McKeesport, is spending three weeks camping on the shores of Lake Erie.

H. Klunders, of Randolph & McClements, is spending a few weeks at Atlantic City.

F. Ueberle, North Side, has been very busy with funeral work. J.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
908 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and I Street.

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874, Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2188

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

MICHIGAN.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.



FROM NEW YORK EXCEPT AS NOTED.

Aug. 23.

Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecilie, N. Ger. Lloyd, Hoboken Pier.

Aug. 24.

Campania, Cunard, 9 a. m., Piers 54 and 56, North River.
Adriatic, White Star, 9:30 a. m., Piers 60 and 61, North River.
FROM BALTIMORE, Cassell, N. Ger. Lloyd, Pier 9, Locust Point.

Aug. 25.

Carpathia, Cunard, 12 noon, Piers 54 and 56, North River.
Espagne, French, 10 a. m., Pier 42, North River.
Agosta, Fabre, 1 p. m., Amity Dock.
Bremen, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

Aug. 26.

Finland, Red Star, 10 a. m., Pier 59, North River.
FROM MONTREAL, Corsican, Allan, 4:30 a. m.
FROM QUEBEC, Empress of Britain, Can.-Pacific, 3:30 p. m.

Aug. 27.

Caledonia, Anchor, 12 noon, Pier 64, North River.
Italia, Anchor, 12 noon, Pier 64, North River.
Philadelphia, American, 10 a. m., Pier 62, North River.
Arabic, White Star, 12 noon, Piers 60 and 61, North River.
Berlin, N. Ger. Lloyd, 11 a. m., Hoboken Pier.
FROM MONTREAL, Lake Erie, Allan.
FROM MONTREAL, Ionian, Allan.
FROM MONTREAL, Dominion, White Star-Dom., Daylight.
FROM PHILADELPHIA, Haverford, American, 10 a. m., Pier 54.

BARRIE, ONT.—J. M. Bothwell, J. J. Brown, S. Caldwell, L. J. Vair and Wm. Taylor, all agree that the season's business was the best known and most profitable. E. Justice also is of that opinion, while Geo. Ottaway had his usual good run of trade.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,
—FLORIST—
16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty,

218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

HALF or more of the Chicago crop of onion sets has been pulled and is in the crates.

THE crops of tuberoses and caladiums in the south are reported to be looking good at this time.

THE headquarters of the Kentucky Blue Grass Association, is understood to be located very near Cincinnati.

It is understood that the bulk of the shipments of Dutch bulbs will leave Rotterdam about August 13, due in New York about August 21. This means early shipments.

THE prospects for the dwarf and pole Lima and other pole beans in California are reported to be fairly good at this time, but a better estimate of the crop can be made September 1.

NEW YORK.—Vaughan's Seed Store received a consignment of two and one-half carloads of French bulbs, one car for this city and the balance for Chicago.—J. McHutchison, of McHutchison & Co., says that the present indications point to the coming season as being an unusually busy one.

CHICAGO.—Prices on the board of trade August 17 for grass seed were noted as follows: Timothy, \$5.50-\$6.50 per 100 pounds. White clover from 20 cents to 25 cents.—Peter Hollenbach shipped three cars of onion sets last week, the early sorts, Bermuda, Crystal Wax and White Pearl.

HARRISBURG, PA.—Walter S. Schell, who opened a seed store about the new year at 1308 Market street, has had great success. He says he makes a specialty of quality. In a short time he will move across the street and occupy the two stores, 1307-1309, Market street, where his capacity for doing business will be doubled. He has a good force of assistants, noteworthy being J. W. Yeakle, formerly with J. F. Noll & Co., Newark, N. J., and Chas. M. Storey, formerly with the Holmes Seed Co.—The Holmes Seed Co.'s store is a very busy place, the great stock of farm and garden implements being a leading feature at this season.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

New Jersey Conditions.

Morganville, August 10.—Owing to the extreme dry weather that we have been experiencing in this section for the past six weeks, the tomato crop has been damaged to a very large extent, and there will be a short crop.—C.

Mullica Hill, August 10.—The prospect for all seed in this vicinity looks fair at present. The cucumber crop seems to be the poorest.—H.

Purity Standard in Seeds.

Standards in purity and germination in agricultural seeds offered for sale in Virginia were fixed August 9, by a committee of the State Board of Agriculture appointed for that purpose. The committee is composed of W. W. Sproul, of Augusta, and Berkeley D. Adams, of Charlotte, the latter the secretary of the state board.

The new law governing the inspection of seeds, which goes into effect on September 17, is quite specific in its requirements. The committee found that it had little to do save fix the standards of purity and germination and to prescribe the nature of the label to go on all packages.

Representatives of seed companies were present, but it was soon found that the proposed regulations would be satisfactory both to them and to the members of the committee, representing the people of the State. The new statute itself is not drastic. The complete list of rules adopted by the committee is as follows:

SECTION 1.

The form of label which is required by section 1 of the law, and which must be attached to each package of seed over 50 pounds in weight, shall conform to the following specifications:

The label shall not be less than five inches long by three inches wide, and shall be plainly written or stamped in not less than eight-point heavy Gothic type. The form and style shall be substantially as follows:

(a) For standard seeds.

Kind of seed (barley).

Name (Oderbrucker).

Name of seedsmen, importer, agent or dealer (John Doe, Seedsmen, Richmond, Va.).

Standard seeds.

Note.—The above label only to be used on the case of seeds of the required standard of purity and germination, as provided by the State Board of Agriculture and set forth in section 2 of these rules.

(b) For seeds other than standard.

Kind of seed (barley).

Name (Oberbrucker).

Name of seedsmen, importer, agent or dealer (John Doe, Seedsmen, Richmond, Va.).

Percentage of purity or freedom of seed from foreign matter or from

other seeds distinguishable by their appearance.

1. Name and number of noxious weed seeds.

2. Name and percentage of impurities or foreign matters (if exceeding 2 per cent.).

MUST LABEL BAD SEEDS.

3. Name and percentage of the following seeds and bulbs:

(a) Wild onion.

(b) English charlock.

(c) Wild oats.

Note.—Where noxious weeds as defined by section 3, subsection 1, of the act, exist in greater number than one to 2,000, the sale or distribution is prohibited.

Where any of the following seeds or bulbs are present—wild onion, English charlock or wild oats—the name and percentage must be stated on the label, but none of these seeds shall be present in seeds marked "standard."

Where seeds of the common weeds, as defined in section 4 of the act, are present in quantity greater than two per cent. of the seed under examination, the name and percentage of such seeds must be stated on the label. The name and approximate percentage of inert matter, such as sand, dirt, sticks or broken seeds, as defined in section 5 of the act, when present in quantity greater than two per cent. as fixed by section 2 of these regulations, shall be stated on the label.

This is not to apply to seeds which come up to the standard of germination and purity as fixed by the Board of Agriculture in section 2.

SECTION 2—STANDARD OF PURITY AND GERMINATION.

Name of Seed.	Purity, P. C.	Germination, P. C.
Alfalfa	97	90
Barley	99	96
Blue Grass, Kentucky	80	50
Blue Grass, Canadian	90	50
Brome Grass, smooth	90	80
Buckwheat	96	90
Clover, alsike	95	90
Clover, mammoth	98	90
Clover, red	98	90
Clover, white	92	85
Clover, crimson	98	90
Corn, field	100	95
Corn, sweet	99	75
Corn, pop	99	80
Corn, Kaffir	95	90
Fescue, meadow	94	85
Fescue, hard	94	85
Fescue, sheep's	94	85
Fescue, red	94	85
Flax	98	94
Foxtail, meadow	90	85
Millet, broom corn	98	90
Millet, common	98	90
Millet, Hungarian	98	90
Millet, German	95	90
Millet, Siberian	98	90
Oats	98	95
Oat grass, tall	94	90
Orchard grass	90	85
Rape	98	95
Red Top	90	85
Rescue grass	94	80
Rye	99	95
Rye grass, perennial	95	85
Rye grass, Italian	95	85
Sorghum	95	90
Teosinte	99	90
Timothy	98	90
Vetch, hairy	98	90
Wheat	98	95

Catalogues Received.

F. Dorner & Sons Co., LaFayette, Ind., two new carnations; J. M. Thorburn & Co., New York, wholesale trade lists of turnip seed, etc., and bulbs; W. Atlee Burpee & Co., Philadelphia, Pa., wholesale prices of turnip, winter radish and spinach seed; Henry F. Michell Co., Philadelphia, Pa., wholesale prices for July and August, 1910; Wm. Elliott & Sons, New York, pot-grown strawberry and vegetable plants; Peter Hen-





GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trimar-deau, it is much larger and of good substance, the immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red, mahogany and numerous other light, medium or dark mixtures.

1910 Seed Now Ready.

2000 seeds 50c; 5000, \$1.00; $\frac{1}{4}$ -oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield, Mme. Perret, white darkeye, purple, black, masterpiece, red, brown, bronze, and light-blue shades. Trade packets 25c. any five for \$1.00.

Rainbow is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Jerome B. Rice Seed Co.

CAMBRIDGE, N. Y.

CORRESPONDENCE INVITED.

derson & Co., New York, midsummer catalogue of seeds; Mohican Peony Gardens, Sinking Spring, Pa., peonies; W. E. Marshall & Co., New York, bulbs; United States Nursery Co., Roseacres, Miss., advance list of herbaceous peonies for autumn, 1910; Osterman & Sons, New York, wholesale trade list of forest and ornamental trees; D'Alcorn, Washington, D. C., wholesale list of bulbs; Wild Bros. Nursery Co., Sarcoxie, Mo., trade list of peonies and iris.

M. Herb, Naples, Italy, bulbs and seeds for autumn sowing; Royal Tot-

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per $\frac{1}{4}$ -oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

Lilium Formosum, 7-9.....	Per 1000 \$65.00	Lilium Jamesi, 6-7.....	Per 1000 \$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,
1215 Betz Bldg., PHILADELPHIA, PA.

Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of American Grass and Clover seed in carload lots, and invites exporters to submit offers and samples as soon as the new crop is on spot.

Fall Bulb Catalogue

If you have not received
a copy send for it.

James Vick's Sons
Rochester, New York

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**
and Wisconsin.

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock.....	\$ 8.00
Empress, Double Von Sion or Princeps.....	10.00
Emperor.....	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque.....	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

tenham Nurseries, Ltd., Dedemsvaart, Holland, wholesale trade list of hardy perennials; Van Heiningen Bros. & Co., Boskoop, Holland, trade list of nursery stock; E. Neubert, Wandsbek, Germany, trade list of lily of valley, plants, etc.; Union Nurseries, Oudenbosch, Holland, wholesale trade list of forest and

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum Multiflorum, 7-9.....	Per 1000 \$50.00
Giganteum, 7-9.....	65.00
Formosum, 7-9.....	65.00
F. O. B. New York.	

RELIABLE SEEDS.

	Tr.
	Oz. pkt.
Bells, double Daisies, Longfellow, pink	\$3.00 30c
Snowball, white..	3.00 30c
Carnations, hardy garden, finest	
double mixed	2.00 25c
Myosotis, alpestris, Victoria compact	
blue	2.50 35c
Pansies, Special florists' mixture.....	4.00 50c
Pinks, double dwarf hardy garden mxd..	4.00 50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00 50c
For other varieties ask for my catalogue.	
O. V. ZANGEN, Seedsman, Hoboken, N. J.	

MANN'S

Lily of the Valley

are the finest in existence, and their flowers bring the best prices on the London market.
For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany.

ornamental trees; Victor Detriche & Co., Angers, France, advance price list of nursery stock; J. Hasslach, Saint Remy de Provence, France, flower seeds.

Market Gardeners

Greenhouse Vegetable Growers and
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

ONARGA, ILL.—Early in the summer the Mosbaek Greenhouse Co. shipped six carloads of pieplant to the American Dehydrating Co., of Waukesha, Wis., to be manufactured into a product known as dehydro. Miss Annabelle Risser of the Mosbaek company received a consignment of the manufactured product last week. By a mechanical process which does not rob it of any of its flavor, color or natural constituents, all the water is eliminated from the pieplant, reducing it to almost a powder. By the addition of water it is ready to cook. The company also puts up spinach, and other vegetables in this manner. The industry is as yet comparatively small, but is rapidly becoming recognized as a practical one.

Greenhouse Notes.

THE SOIL PROBLEM.

At this time of the year the soil problem forces itself to the front. Shall we use the same or sterilize or renew entirely? Of the three ways we like sterilizing the least. If our soil was satisfactory all around, we would leave it alone and cover deeply with fresh manure. This should be watered thoroughly once or twice a week, enough so to keep it in good growing condition. After a month or six weeks of this treatment it is ready for another season's campaign.

However, if results have been unsatisfactory owing to repeated cropping, it is often best to renew at least six inches of it. One of our growers once said the best sterilizer was a gang of Italians with wheelbarrows. He meant the removal and new soil. We have had such remarkable returns last season in a new house with new soil, that we hardly care to risk old. While the cost of removal may seem large, it is better and cheaper than fretting over indifferent crops. We have a large amount of old hotbed manure each season, which enables us to tone up fresh soil to just the point required. It is either a case of new soil and old manure or old soil and fresh manure and no sterilizing with us. MARKETMAN.

How to Use Cold Frames and Hotbeds.

This is the title of a most interesting little booklet written by Professor W. F. Massey for the Sunlight Double Glass Sash Co., Louisville, Ky., and while to some extent exploiting the excellent "double glass" sash made by this firm yet it contains a great amount of excellent cultural data that would be useful to anyone whether a user of the double glass sash or not. As to the latter we have already called attention to its merits, but it may be well to mention again that the sash are made with two sets of glass instead of one and with an air space be-



tween, this forming an effective protection from cold owing to its non-conductibility.

As to practical tests of the sash Mr. Massey notes in his book that growers in New York state have reported that their plants have come through cold spells of 5°-20° below zero with no other protection than the double glass sash affords, while a New Jersey grower states that he kept his plants in flower in January covered with these sash when the outside temperature was 5° below zero. He also says he feels sure that by the use of these sash growers can raise beets in December after a fall crop of lettuce and have these fit for bunching in April, in plenty of time to clear the ground and plant cucumbers. Thus the frames, if covered with the Sunlight double glass sash are working the whole year around. Another use the professor recommends these sash for is to cover plants of thyme and mint during winter and thus have a supply of these useful herbs no matter what the weather is.

Early asparagus, early egg plant, tomatoes or any other vegetable crops always command a bigger price if sold, or are more greatly valued if used at home, than late ones and the use of this excellent sash will forward these crops very materially in spring. Then the sash are invaluable to the florist who wishes to raise violets, pansies or similar half hardy crops for flowering in winter, they maintaining a far more regular temperature than the ordinary single glass sash. In hotbeds where heat, either from fire or manure, is used much less is needed under the double glass sash than under the ordinary make and there is no doubt they will pay for themselves in a very short time owing to increased yield and greater earliness of the crops grown by their aid. The price of this excellent little book is only four cents, sent in stamps to the Sunlight Double Glass Sash Co., 929 East Broadway, Louisville, Ky.

Bean Blight or Bacteriosis.

Bean blight or bacteriosis is a disease that is common upon field, garden and Lima beans. It affects leaves, stems and pods, but particularly the leaves and pods, upon which the symptoms are most conspicuous. It is believed the diseased seed is the source

EGYPTIAN TREE

—OR—

Winter Onion Sets

We are headquarters for quantities.

—Sow Winter Vetch Now—

Write for Prices.

Vaughan's Seed Store

New York Chicago.

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead	.....	\$0 20 \$1 00
10,000 and over	.....	85c per 1000
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market	.....	20 1 00
10,000 and over	.....	85c per 1000

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing

New Crop Mushroom Spawn

Just arrived from England
\$8.00 per 100 lbs.

WEEBER & DON,

Seed Merchants
and Growers. 114 Chambers St., New York.

of many infections, whereas later infections may result through wounds in any green parts. On the foliage there appear irregular water-soaked patches, which later become, during dry weather, brown and papery. The disease progresses slowly, therefore it becomes evident, as a rule, only when the pods begin to form. Control is difficult, and must concern itself largely with seed selection and crop rotation. Seed from an affected field should not be planted. It is not enough to attempt to sort out healthy seed, when some of the lot are evidently diseased, for many which show no discoloration will be penetrated by the bacteria.

NEW CASTLE, IND.—P. Olinger, who recently purchased his partner's interest in the Weiland & Olinger greenhouses is making great improvements to the plant, the most important being the installation of a new heating plant. Four new boilers have been set, two large ones and two small ones. These will be equipped with automatic stokers. The benches of the rose and carnation houses are all being rebuilt and this work is nearing completion.

Vaughan's Giant Pansies

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.



VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/2 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

VAUGHAN'S "GIANT PANSY MIXTURE,"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; 1/2 oz., 60c; oz., \$4.00; 1/2 lb., \$14.00.

	Trade pkt.	1/2 oz.	oz.
Aurora, pure white without blotches.....	.10	.20	1.30
Auricula Colors, metallic shades.....	.10	.20	1.25
Black, large true black.....	.10	.20	1.20
Beaconsfield, upper petals light lavender, lower ones deep rich purple .....	.10	.20	1.20
Boulogne Giant. This is a special selection of a French Pansy grower .....	.50	2.00	
Bugnot. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures....	.25	.45	3.00
Cassier, 3 and 5 spotted, an A1 strain.....	.25	.45	3.00
Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal....	.25	2.00	
Emperor William, dark navy blue.....	.10	.20	1.25
"Fiery Faces," very rich scarlet, with a gold edge and yellow center .....	.15	.35	2.00
Masterpiece—New Giant Curled .....	.25	.60	4.00
Pink, lovely shades of pink, same as Hydrangea.....	.10	.25	2.00
Purple, very large, rich deep purple.....	.10	.20	1.00
White, very large, with violet eye.....	.10	.20	1.00
Yellow, immense flowers with dark eye.....	.10	.20	1.00

Cyclamen Seed

Best Types and Colors.

Pure White (Mont Blanc) Per 1,000 seeds, \$5.00;
Dark Crimson..... Per 100 seeds,
Rosa von Marienthal 75c; 250 seeds,
(Daybreak) of a color at the
Dark Rose 1,000 rate.
White with Carmine Eye
Giant-Flowered Cyclamen, extra choice
mixed. Per 100 seeds, 50c; 250 seeds,
\$1.15; 1,000 seeds, \$4.50; 5,000 seeds,
\$20.00. This mixture is made up of the
above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine with very large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, } Each, per 100
White with Carmine Eye } seeds, \$1.00;
and Lilac Colored..... } 1000 seeds, \$9.00
Giant Orchid-Flowered Cyclamen, in choicest
mixture, 25 seeds, 25c; 100 seeds, 85c;
1,000 seeds, \$8.00.

New Salmon (Glory of Wandsbek). This is, to our knowledge, the best strain in this color, which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1,000 seeds, \$10.50.

SMILAX SEED

Trade Pkt., 10c; Oz., 25c; 1/4 Lb., 90c.

MIGNONETTE New York Market.

New Seed Now Ready.

This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. The plants grow from two to three feet high and produce flower spikes up to twenty inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants, grown from three to five shoots to a plant, and was all saved from the spikes measuring from ten to eighteen inches long. Trade pkt. (about 1,000-seeds), 50c; per oz., \$7.00; 1/2-oz., \$1.00.

ASPARAGUS SPRENGERI.

100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, \$3.25.

VAUGHAN'S ENGLISH CYCLAMEN. Unrivalled.

Rosy Morn. Giganteum variety, delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted with claret base.
Grandiflorum Album. The largest giant white grown.
Excelsior. Giganteum variety. White with red base. Extra large flowers.
Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen. New.

PRICES: Trade, 100 seeds, \$1.00; 1,000 seeds, \$9.00 net.



Vaughan's Winter Flowering Sweet Peas

New Seed Ready in August.

White Seeded Sweet Peas. Put seed in water over night, then put in box or flat and in a temperature of 60 degrees. Seed will germinate in two days and then can be sown.

	Oz.	Lb.		Oz.	Lb.
Angelino, self pink.....	.20	\$1.50	Mrs. Alexander Wallace, lavender.....	.15	\$1.00
Christmas Pink, pink and white .....	.10	1.00	Mrs. W. W. Smalley, a pleasing satin pink .....	.20	1.50
Christmas White.....	.10	1.00	Mrs. Geo. Lewis, pure white... ..	.25	2.50
Earliest of All, pink and white .....	.10	.85	Mrs. William Sim, salmon pink .....	.20	1.50
Mont Blanc, white.....	.10	.60			

If sweet peas are wanted for Christmas, sow the seed in well-ventilated houses, not before August 15, nor after August 25. This sowing will bloom from November 1 until April. For the main crop in January or February, sow about September 15. If the best sweet pea flowers are wanted for Easter (April 16 in 1911), sow the first part of November.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

ACCORDING to a report by Senator E. S. Neal of Garrison, N. D., the crops of all kinds throughout the state are good.

A CALIFORNIA horticulturist is said to have obtained an edible and nutritious fruit from the climbing rose by cross breeding.

VISITED CHICAGO:—W. Hart of the Clinton Falls Nursery Co., Owatonna, Minn.; C. H. Perkins, of Jackson & Perkins Co., Newark, N. Y.

FULLERTON, CALIF.—T. D. Robertson, who has for the last 10 years been connected with the Orange County Nursery & Land Co., has purchased the ornamental, floral and seed departments of the business from this concern, the company retaining the fruit, citrus and eucalyptus departments.

WE have received the "Proceedings of the Thirty-fifth Annual Convention of the American Association of Nurserymen" held at Denver, Colo., June 8-10, 1910. It is a book of 160 pages containing in full the constitution and bylaws, the proceedings of the meeting and the excellent papers read thereat. The next convention will be at St. Louis.

THE Parking Commission of New Orleans has issued an ordinance defining the duties of the commission and giving the annual statement of the president. The principles and practice of municipal arboriculture are briefly reviewed and the special report of the superintendent given. It is well illustrated with views taken in various streets and boulevards.

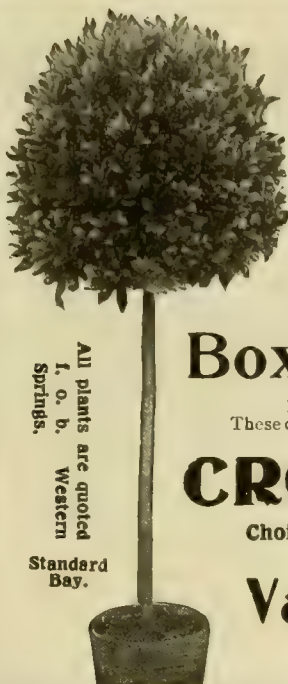
GLEN BROS., Rochester, N. Y., write us saying that the report we printed from a Poughkeepsie paper respecting the removal of their offices to Wappinger's Falls is incorrect. As a matter of fact this firm has only recently completed a new office building in Rochester and is at present negotiating for a farm near the latter city so as to increase its growing facilities for handling western New York business.

Association of Park Superintendents.

THE HARRISBURG MEETING.

Sunset from the river front was on the programme for the evening of August 10, but that feature was abandoned. Sol was behind the clouds, very dark and wet at that. For about an hour the rain fell in torrents. It cleared up in time to enable everybody to reach the lecture room of the Mt. Pleasant Press. There a most instructive entertainment was in store. There were three addresses, all illustrated with stereopticon views. Peter Bisset of the Department of Agriculture, Washington, D. C., was very entertaining. Geo. W. Ehler of Baltimore elaborated on the benefits of public playgrounds.

Thos. Beckendoff, of the public bath commission, Baltimore, was both amusing and instructive as he traced



All plants are quoted
I. O. b. Western
Springs.
Standard
Bay.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped
These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.....	\$0.30	\$3.00	\$20.00
12 to 15 in.....	.35	3.50	25.00
15 to 18 in., light ...	.40	4.00	30.00
15 to 18 in. heavy....	.45	4.50	35.00
18 to 20 in.....	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch.....	\$0.20	\$ 2.00
4-inch.....	.35	3.50
5-inch.....	.60	6.00
6-inch.....	1.00	10.00
7-inch.....	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....	\$15 00 per 100
" " Pink.....	9.00 per 100
" " Red.....	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio.

the evolution of bathing from the "old swimmin' hole" to the present highly developed systems in his own and other cities. Many views were shown of scenes in the baths of Chicago. On the morning of August 11 the delegates took a special car for Gettysburg and spent the day viewing the many points of interest on that memorable and historic battlefield.

THE REASON FOR PARKS.

In the address by J. Horace McFarland, before the Association of Park Superintendents at Harrisburg, Pa., August 9, the speaker called the attention of the visitors to the cost and maintenance of the great stretch of parkway (nearly 30 miles) covered in the auto trip. "All you have seen today," said Mr. McFarland, "has been done within a quarter of a million dollars, some of which is left over. The maintenance is within the appropriation of \$27,000."

Then he contrasted the difference in the meaning of parks of today and 40 years ago as defined by the dictionaries. "In 40 years," said Mr. McFarland, "the reason for parks has been totally changed by the congested conditions and by the necessity for assimilating great masses of foreign population."

He said that the purpose of parks is to serve best those who need them most. Some parks and the ideas that control their development in other cities in the United States were compared and some quotations from the annual report of the president of the West Park Commission of Chicago, John F. Smulski, were incorporated in the talk.

"Every dollar expended for small parks in crowded districts of a large

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture
Mention the American Florist when writing

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet. will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

city is an investment that will not only bring good returns but will pay munificent dividends in undefiled manhood and womanhood," quoted Mr. McFarland from the Chicago man's report.

Chase Bros. Company, Rochester, N. Y.

A Large and Complete Stock of **Herbaceous Perennials**
Field Grown One and Two Year Large Clumps

Also a General Line of Nursery Stock—Shrubs, Ornamental Trees, Roses.

NEW ENGLAND NURSERIES.

NEW BERRY, HIMALAYA GIANT
Berry Catalogue free with Colored plates
Berrydale Experiment Gardens, Holland, Mich.

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....
PAINESVILLE, OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
Wholesale catalog for fall issued Sept. 1st.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect
Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

NEWPORT, R. I.—Mrs. William Grosvenor has planned to construct a large greenhouse on her estate on Beacon hill.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen and Florists **Rutherford, N. J.**

A BLUE ROSE

**The Greatest
Rose Novelty
of the Century**

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS, RIEL, HOLLAND.

Send Advs. Early for Best Service.

NOW READY

—The American Florist Company's—
Trade Directory
—For 1910—

Contains 570 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

Financial Success

You are looking for it. When you send an order, ask for a little book we will send you **Free**, entitled "**Laws on Financial Success.**"

THE FOLLOWING STOCK CAN BE DEPENDED ON TO GIVE SATISFACTION. SEND ORDER TODAY.

Kentia Belmoreana.

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.	100
2½-in.	8 to 10-in.			\$ 1.50	\$10.00
3-in.	12-in.			2.00	15.00
4-in.	14 to 16-in.	4 to 5	\$0.50	4.50	35.00
6-in.	26 to 28-in.	6 to 7	1.50	18.00	
7-in.	28 to 30-in.	6 to 7	2.50	30.00	
8-in.	42 to 48-in.	6 to 7	5.00		
9-in.	54 to 60-in.	6 to 7	7.00		

Kentia Forsteriana.

Pot	Height	Leaves	Each	Doz.
2-in.	6 to 7-in.	3 to 4	.....	\$1.50
3-in.	10 to 15-in.	4 to 5	.....	2.00
4-in.	16 to 18-in.	5 to 6	.....	4.50
5-in.	24 to 28-in.	5 to 6	.....	\$0.75
7-in.	36 to 40-in.	6 to 7	.....	2.50

Made-up Plants.

Tubs	Height	Plants in tub	Each
8-in.	42 to 46-in.	4	.....\$ 5.00
9-in.	48 to 50-in.	4	..... 6.00
10-in.	54 to 60-in.	4	..... 10.00

Cocos Weddelliana.

2-in. pots,	15c each	.....\$1.75 per doz.
3-in. pots		..... 2.50 per doz.

Latania Borbonica.

Pot	Leaves	Height	Each	Doz.	100
3-in.	3 to 4	10 to 12-in.	.....	\$1.50	\$10.00
4-in.	4 to 5	12 to 15-in.	.....	3.00	25.00
5-in.	5 to 6	15-in.	.....	4.50	35.00
6-in.	6 to 7	18-in.	.....	5.00	6.00
7-in.	7 to 8	20 to 24-in.	.....	75c	9.00

Areca Lutescens.

Made-up Plants.

Pot	Leaves	Height	Each
3-in.	10 to 12	10 to 12-in.	.....\$0.20
7-in.			..... 2.00
8-in.	12 to 20	30 to 36-in.	..... 4.00

Phoenix Roebelenii.

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

2-in. pots	.....	Each	Doz.
3-in. pots	.....	\$0.25	\$3.00
4-in. pots	.....	.50	6.00
8-in. tubs	.....	.75	9.00
	.....	4.00	

Phoenix Canariensis.

30 to 36-in. high,	8-in. tub	.....	Each
		.....	\$2.50

Pyramid Bays.

6 ft. 6 in. high,	24 to 30-in. wide	.....	Pair
7 ft. high,	34 to 38-in. wide	.....	\$20.00
		.....	25.00

Standard Bays.

4 ft. high,	22 to 26-in. crown	.....	Pair
5 ft. 6 in. high,	24 to 26-in. crown	.....	\$12.00
6 ft. 6 in. high,	32 to 36-in. crown	.....	15.00
Larger sizes	.....	\$25.00, \$30.00 and \$35.00	



KENTIA FORSTERIANA

Araucaria Excelsa.

Pots	Tiers	High	Per doz.
4-in.	2 and 3	8 to 10-in.	.....\$ 6.00
5-in.	3 and 4	12 to 14-in.	..... 9.00
6-in.	4 and 5	18 to 20-in.	..... 12.00

Aspidistra Lurida, Variegated.

15c per leafplants,	\$1.00 and upwards
--------------	--------------	--------------------

Fine Ferns.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense, Pteris adiantoides, Pteris cretica albo-lineata, Pteris Ouvardi, Pteris serrulata, Pteris Wimsettii, Pteris tremula, 2-in. pots, 40c per doz.; \$3.00 per 100.

Asparagus Plumosus Nanus.

	Per doz.	100
2-in. pots	.....\$0.50	\$ 8.00
3-in. pots	..... .75	8.00
4-in. pots	..... 1.50	12.00

Asparagus Sprengerii.

2-in. pots	.....per 100,	\$3.00
3-in. pots	.....per 100,	6.00

Dracaena Fragrans.

	Each	Doz.
5-in. pots, 10 to 12-in. high	.....\$0.35	\$4.00
6-in. pots, 12 to 14-in. high	..... .50	6.00
7-in. pots, 14 to 16-in. high	..... .75	9.00
8-in. pots, 16 to 20-in. high	..... 1.00	12.00

Ficus Pandurata.

6-in. pots, 36-in. high	.....each,	\$2.50
7-in. pots, 48-in. high	.....each,	3.50

Ficus Repens, Vine.

2-in. pots	.....per doz.,	\$0.50
3-in. pots	.....per doz.,	1.00

Pandanus Veitchii.

	Each	Doz.
4-in.	.....\$0.50	\$ 6.00
7-in.	..... 2.50	30.00

Nephrolepis Whitmani.

8-in. pots	.....\$1.50 each
Beautiful specimens,	

Nephrolepis Bostoniensis.

Pot	Doz.	100
3-in.	.....\$ 1.00	\$ 8.00
4-in.	..... 1.50	12.00
5-in.	..... 3.00	25.00
6-in.	..... 6.00	45.00
7-in.	..... 9.00	70.00
8-in.	..... 12.00	90.00
9-in.	..... 15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

Fern Balls.

5 to 7	.....\$0.25
7 to 9	..... .35

GEO. WITTBOLD CO., 737-739 **Chicago**

Long Distance Phone, Graceland 1112.

Lancaster, Pa.

This is a thriving city and the center of a rich agricultural section. It may not be generally known that in this last feature, tobacco growing is largely represented. Whatever some people may think of the "weed" and its use, they could scarcely deny the beauty of the great fields with their broad and graceful leaves. The florists are keeping pace with other lines of industry, carnations being a leading feature. There are also several prosperous retail stores.

The genial Albert M. Herr, having his carnations planted and all looking fine, has gone with Mrs. Herr and the boy to the Rochester convention.

Harvey Schroyer now conducts the retail store at 151 North Queen street, long conducted by his father, the late G. W. Schroyer.

The Wheatland Aquarium and Greenhouse Co. show a number of good features.

B. F. Barr & Co., in addition to an extensive range, have a prosperous store.

Elizabethtown, Pa.

J. W. Hoffman has just finished two carnation houses, 28x201 feet each. The young plants were planted directly into the beds while the houses were under construction and had made splendid growth. Mr. Hoffman has

been in other business here for a number of years and has been successful. About two years ago he erected one small greenhouse. He was so successful that he was encouraged to go into growing on a larger scale.

E. S. Rutt is another grower who, though a young man, by painstaking industry has built up quite a business. He grows carnations and sweet peas.

Most of the stock grown in this part of the state is marketed in Harrisburg or Pittsburg, the latter, of course, taking much the largest quantity.

DEDHAM, MASS.—H. A. Stevens is enlarging his greenhouse on Washington street.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

St. Louis.

There were quite a few flowers in the market during the past week and there was somewhat of a demand. Most of the growers have thrown out their carnations and many are now planting. It will be some time before carnations have much of a showing. There are, however, plenty of very fine long flowers, lilies, single tuberose stalks, asters and Killarney roses. American Beauty roses have become a little more plentiful but open up quickly. Tuberoses are selling at \$4 per 100, also light colored gladioli. The theatres are opening up, two more will start up Sunday. In two weeks our public schools will reopen. People will, with the advent of cooler weather, return to their homes and start the social whirl moving. So Mr. Florist get busy and have everything in shape. The retailers must make a showing at our next flower show as Otto G. Koenig and his assistants intend this show to be best and largest ever given here.

NOTES.

A jolly party of 15 left the Union station at 1 p. m., for the S. A. F. convention. Otto G. Koenig took care of everybody and everyone was well supplied with solid and liquid refreshments. Mr. Koenig being quite an accomplished connoisseur in these matters. The following ladies and gentlemen composed the party: Alexander Waldbart, E. J. Waldbart, Will Osseck of the W. C. Smith Wholesale Floral Co., Otto G. Koenig, Mr. and Mrs. F. H. Meinhardt, Mr. and Mrs. F. W. Bruenig, Mr. and Mrs. H. G. Berning, J. F. Ammann, J. Winkler, E. W. Guy and daughter and two lady friends, and Miss Olinda Gundering.

The first issue of the Florists' Bulletin came out August 9 and every local and suburban florist was mailed a copy through the secretary, J. J. Beneke of the Florists' Club. Thus C. E. DeWever has at last seen his efforts and labors come to a successful issue. Success to him and those other gentlemen of the committee.

Meredith D. Thompson, assistant to Park Commissioner Scanlon, died Saturday at St. Luke's hospital. He had been ill several months with dropsy but attended the city hall daily almost up to his death. The funeral was held Sunday from his brother's home, Wm. H. Thompson, cashier of the Boatmen's bank.

The following florists donated flowers to the carnival of the "Made in St. Louis" at the Coliseum this week: E. L. Loyet, J. E. Windt, Grimm & Gorly, Mrs. M. S. Meyers and A. W. Murray.

Fred Alves of Geo. H. Angermueller's has left on a vacation. Geo. Angermueller and friends will go on a fishing excursion next week.

A. & H. Werner of Clayton, Mo., are making their first cuts of Richmond and Killarney. They are also cutting a fine crop of Harrisii lilies. W. F.

PEONIES

Place your orders now for
September and October planting.

We have an exceptionally large stock, all of our own growing, all trued up. Our list comprises all of the very best sorts, such as:

Duchess de Nemours (Calot)	Madame de Verneville,
Jeanne d'Arc,	Delachi,
Marie Lemoine,	Festiva, true,
Delicatissima,	Festiva Maxima,
General Cavignac,	Lee's Grandiflora Rubra,
Edulis Superba,	Floral Treasure,
Officinalis Rubra Superba,	Richardson's Rubra Superba
Dorchester,	

Also many other sorts.

SEND FOR COMPLETE LIST WITH PRICES.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO
25 Barclay St., NEW YORK
Greenhouses and Nurseries, Western Springs, Ill.

Miscellaneous Plants

	Doz.	100		Each	Doz.
2½-in. Boston, (Aug.).....		\$ 4 50	4 -in. Araucaria Excelsa,		
4 -in.	\$2 00	15 00	2-3 tiers.....	50	\$ 6 00
5 -in.	3 00	25 00	6 -in. Araucaria Glauca,		
2½-in. Whitman,		5 00	3-4 tiers	1 75	
4 -in.	2 00	15 00	6 -in. Araucaria Compacta,		
5 -in.	3 00	25 00	3-4 tiers.....	1 75	
2 -in. Asparagus Plu Nanus,...		3 00			
3 -in.	1 00	7 00			
4 -in.	1 50				
2 -in. Asparagus Sprengeri,...		2 50			
3 -in.	1 00	6 00			
4 -in.	1 25	10 00			
2 -in. Asst. Ferns, dishes (Aug)		3 00			
3 -in. Cyclamen,.....		3 50			
2 -in.	1 00	7 00			
4 -in.	2 00	15 00			
2 -in. Chinese Primrose,		3 00			
3 -in. Obconica Primrose,		7 00			
2 -in. Celestial Peppers,		3 00			
2 -in. Jerusalem Cherries,		3 00			
2 -in. Poinsettias, (1000 \$45.00)		5 00			
2 -in. Smilax,		3 00			
2½-in. Cocos Weddelliana	2 00	15 00			
3 -in. Pandanus Veitchii,	3 50				

	Each	
Kentia Forsteriana, single		
plants, 7-in. 6 to 7 leaves, 34		
to 36 in.....	\$ 3 50	
Same made-up, 3 plants to pot		
32 to 34 in.....	3 00	
Same made-up, 3 plants to pot		
36 to 40-in.....	4 00	
Kentia Belmoreana		
7-in. pot, 6-7 leaves, 34-36 in....	4 00	
7-in. pot, 6-7 leaves, 28-30 in....	3 00	
6-in. pot, 5-6 leaves, 26-28 in....	1 75	
4 -in. pot,..... per 100	\$35.00	
2½-in. pot,..... per 100	10.00	

D. U. AUGSPURGER & SONS CO., Box 394. Peoria, Ill.

GRAFTED ROSE PLANTS

Young Stock. Very Choice, Strong Plants

400 Richmond, 3-inch, at.....	\$12.00 per 100
2000 Pink Killarney, 3½ and 4-inch, at.....	15.00 per 100
500 Pink Killarney, 3-inch, at.....	12.00 per 100
1000 White Killarney, 3½-inch, at	15.00 per 100

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN

Office and Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

Sprengeri, Iris,

Sprengeri, at \$15.00 per 1000; good stock.

German Iris, in mixed colors at \$2.00 per 100.

ALBERT M. HERR,

Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

Lancaster, Pa.

Craig's Specialties

FORMED ONE OF THE

Bright Spots at Rochester

Our entire stock including Crotons, Ficus Pandurata, Begonia Lorraine, Cyclamen, Dracaenas, Arecas, Phoenix Roebelenii, Nephrolepis, Pandanus, Etc., are of the same high quality as the plants exhibited. It will pay you to call and inspect our stock.

Send for Fall Price List.

ROBERT CRAIG COMPANY, 4900 Market Street, Philadelphia, Pa.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Whitmani Ferns

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.

New Orleans.

"Stagnant" best describes the state of the market at present, both in plants and cut flowers. Most of the prominent families are out of town and about the only thing doing is a little funeral work occasionally. Local asters are about done but tuberose are still plentiful. The rains have ceased at last and all outdoor stock is much improved. Six of the craft from this city are attending the convention in Rochester this week—a pretty fair representation considering the distance. This city is determined to land the convention here in 1915, and no effort will be spared to attain that end. A visit of the S. A. F. to this city would be most advantageous to both the society and the whole south.

The monthly meeting of the Horticultural Society was held August 11, a week ahead of schedule. This was done to enable those who are going to the convention to be present and also to confer on the invitation to the S. A. F. to meet here during the Panama exposition in 1915. R. Eichling, the newly elected president, was in the chair and ran the meeting like a vet-

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great Araucaria Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Excelsa Glauca**, are in favor more than ever this year.



Belgium to protect and select for my customers the best of **Araucarias**, **Azaleas**, **Palms**, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

eran. Two applications for membership were received and laid over till next meeting. More stock of the Panama exposition was subscribed for, the total amount from members of this society reaching to goodly figures. After disposing of the routine work the meeting adjourned and repaired to the cafe and sat down to a supper provided by the new officers. Formality was thrown to the winds and jest and story made "sauce to meat." Former President Alost, who has just returned from a three months' trip to Europe, found time to give a short account of his trip.

Otto and Paul Abele have the sympathy of the trade in the loss of their mother, who died in Germany just about the time that Otto Abele was

Robusta Compacta, **Excelsa Glauca**, 6 in. pots, \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00 \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

Kentia Belmoreana, 25 37-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Standard Bay Trees, 1-foot tubs, 7 ft. high from bottom up, 2 x 2 crown, \$8.00 per pair.

Cyclamen Grandiflora, best strain, 4-in., 15c.

Nephrolepis (Ferns), Boston, Scottii, Whitmani, Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.

Begonia Lonsdale, pale pink, 4-in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots, 18c to 20c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

leaving New York in the hope of seeing her before she died.

C. W. Eichling is resting in the mountains of North Carolina. He has been in rather poor health lately and his friends hope to see him regain his old-time vigor. X.

LAWRENCE, MASS.—Chas. E. Wingate's greenhouses were struck by lightning, August 5, and most of the glass broken. The ventilators were also blown off.

DAYTON, O.—Edwin J. Herbert, 60, a grower, died at his home, 2815 East Fifth street, August 2. Mr. Herbert was a native of Cincinnati and had lived in the city two years only.

VOLUME
1
NUMBER
6

Boddington's Store News

SATURDAY AUGUST 13, 1910.

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS.

At the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cents., ¼ lb. 75 cents., ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cents., ¼ lb. 4 cts., ½ lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. William Sim. Salmon-pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. P. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallace. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 2 cts., ¼ lb. 6 cts., ½ lb. \$01.000, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine..... 15c
All plants in 4-in. pots.
Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

Scientific Fertilization in Germany.

As to farming in general in Germany, it may be said to be in advance of the United States in two respects: (1) The application of scientific intensive methods, and (2) in organization. The German farmer generally has much less land at his disposal and hence cannot afford to have as large fields, keep as much stock, nor have as improved machines as the American. He must therefore make his fields yield as much as possible by means of scientific fertilization and care of the crops, by drainage and the avoidance of waste. He must take proper care of his stock so as to make it as useful and productive as possible, and on the other hand, a much larger percentage of the work must be done by hand. Progressive German farmers are also definitely organized for the purpose of making experiments relating to agri-

A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRAS,
463 Summit Ave., West Hoboken, N. J.

Marechal Niel Roses...

Extra Choice, 2½-Inch,
\$3.50 per 100; \$30.00 per 1000.

What do you need in rose plants, now or spring?

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

culture, for the purchasing of farm requisites and the selling of the products of the farm, and also for the purpose of providing funds for making loans to members of the organizations and giving pecuniary aid where necessary.—American Fertilizer.

OAKLAND, CALIF.—G. C. Farley will build a fernery on a large lot recently purchased at Rock Ridge boulevard.

FERNS

One of our specialties is growing up to 8-in. and 10-in. for vases, baskets, etc. Our varieties include

	2½ in.	3 in.	4 in.	5 in.
Bostons.....	\$5 00	\$10 00	\$15 00	\$25 00
Whitmani.....	7 50	15 00	25 00	50 00
Amerpohli.....	7 50	15 00	25 00	50 00
Scottii.....	7 50	15 00	25 00	50 00
Plumosus.....	3 50	8 00	15 00	25 00
Sprengeri.....	2 50	5 00	12 50	25 00
Maiden Hair.....	5 00	15 00	25 00	
Small Ferns.....	5 00			

	6 in.	7 in.	8 in.
Bostons.....	\$49 00	\$ 60 00	\$100 00
Whitmani.....	75 00	100 00	150 00
Amerpohli.....	75 00	100 00	150 00
Scottii.....	75 00	100 00	150 00
Plumosus.....	50 00	100 00	

Maiden Hair, ... Specimens 10-in. and up, \$2.50

Primroses, Chinese, Obconica and Forbesii, 2½ in. at \$5.00; 3-in. \$8.00 per 100

Cyclamen, 2½ in. at \$5.00; 3-in. \$8.00 per 100.

Celestial Peppers, 2½ in. \$2.50; 3-in. \$7.50 per 100.

Jerusalem cherries, 2½ in. \$4.00; 3-in. \$8.00 per 100.

Poinsettias, 2½ in. at \$6.00 per 100.

Cinerarias, 2½ in. at \$5.00 per 100

Hydrangeas, 2½ in. \$5.00; 3-in. \$8.00; 4-in. \$12.50

6-in. 5 in. and 9 in. \$1.00.

Flowering Begonias, 3 in. at \$5.00 per 100.

Rex Begonias, 2½ in. at \$5.00; 3-in. \$10.00; 4 in. \$25.00 per 100.

Fancy Caladiums, 4-in. at 25c each.

Araucarias, fine plants at \$1.00 each. A special bargain.

Extra good values in all kinds of Ferns: Bostons, Whitmani, Amerpohli, Plumosus, Sprengeri and Maiden Hair.

Ask for our other lists in season.

GEO. A. KUHL, Wholesale Grower,
PEKIN, ILL.

**For Reliable Stock
From Reliable Dealers**
Keep Tab on Advs. in THE FLORIST.

Heacock Palms Will Help You Establish a Trade That Increases With Each Season

You can, by handling Heacock's Palms, make your Palm sales one of the substantial, dependable assets of your business—your trade in them **this** year will help you **next** year, and **every** year.

We put the best of our many years' experience into our Palm business. We grow the plants right here from the seed; that is your assurance that they are sturdy, well-developed, acclimated. Further, this guarantees to you that our palms will do well for your customers, when given ordinary care, bringing you not only more Palm business, but more trade in the other things you sell as well. "Heacock Quality" has helped scores of florists all over the country to make their Palm Departments pay. It will help **you**, and we suggest that **now** is an excellent time to place your order. The following list represents some of the finest stock we have ever grown and as you will see, our prices are no higher than you would pay elsewhere.

Give us a trial order, and we will prove to you that the quality of ours is better—and the stock will go forward to you without an hour's unnecessary delay.



ARECA LUTESCENS

Pot	Plants in pot	In. high	Each
6-in.	3	24 to 28	\$1 00
7-in.	3	30 to 32	2 00
8-in.	3	36	2 50
8-in.	3	42	3 00

COCOS WEDDELIANA

Pot	In. high	Per 100
2½-in.	8 to 10	\$10 00
2½-in.	10 to 12	15 00

KENTIA BELMOREANA

Pot	Lives high	In.	Doz.	100
5-in.	6-7	18	\$6 00	\$50
			Each	Doz.
6-in.	6-7	22-24	\$1 00	\$12
6-in.	6-7	24-26	1 25	15
6-in.	6-7	26-28	1 50	18

Pot or Tub	In.	Doz.	100
7-in.	6-7	34-36	2 50 30
7-in.	6-7	36-38	3 00
7-in.	6-7	40-45	4 00

Tub	Very h'vy	Each
9-in. 6-7	42-48	\$5 00
9-in. 6-7	48-54	6 00
9-in. 6-7	5-ft	8 00

KENTIA FORSTERIANA

Pot	Lives high	In.	Each	Doz.
6-in.	5-6	28-30	\$1 00	\$12
6-in.	6	34-36	1 50	18



Our new Price-list is ready. Have you received **YOURS** yet? If not, let us know and we will send a copy by next mail

Made-up Kentia Forsteriana

Tuber	Plants in pot	In. high	Each
7-in.	4	36	\$2 50
7-in.	4	36-40	3 00

Tub	Plants in tub	In.	Each
9-in.	4	42-48	5 00
9-in.	4	4-ft. h'vy	6 00
12-in.	4	6-ft. h'vy	15 00

CIBOTIUM SCHIEDEI

Ready in Sept. Stock limited.

Tub	Spread	Each
9-in.	4 to 5-ft.	\$6 00
9-in.	6-ft.	7 50

PHOENIX ROEBELENI

Pot	Nicely characterized	Each
5 in.		\$1 00
6-in.		1 50
7-in.		2 00

"WHEN IN PHILADELPHIA BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

A CORDIAL INVITATION

Is extended to all local and visiting florists and their friends to **Come and See** our fine collection of market plants of all kinds

Our Boston Ferns, Pandanus, Crotons and Palms

are in first rate condition and we have a lot of young stock of all kinds that will interest you.

THE FINEST STOCK IN THE WEST

Frank Oechslein 4911 Quincy Street **CHICAGO**

The American Florist Company's

Trade Directory

For 1910

Contains 570 pages.

Price, \$3 00 postpaid

FERNS

FROM BENCH

Boston, Elgantissima, for 4-inch 10c; 5-inch 12¹/₂c.

Whitmani, Amerpohli, for 3-, 4- and 5-inch, 8c, 12c and 15c.

Scotti, for 3-inch 6c; 4-inch 10c.

Snapdragon, Giant White, Pink, Yellow and Red, field-grown, \$1.00 per 100.

Cash with order.

BYER BROS.
Chambersburg, Pa.

Milwaukee.

The condition of the market has eased up considerably the last week. There were quite a few gladioli and asters which helped out. Harrisii lilies are fine and selling rapidly, roses enough to fill orders most satisfactorily. Shipping business is very good and it seems remarkable how business keeps up during the summer months, always something doing. Carnations are almost entirely out of the market, and the few that are coming in are not very good, which must be expected, but seem to sell at a fair price considering the quality.

NOTES.

The local party left on the 1:45 train on Monday and joined the Chicago florists to attend the convention. They are Fred H. Holton, C. C. Pollworth, Nic Zweifel, Gus Mueller and H. Koerner. The latter will exhibit some fine seedling gladioli which he would like to have some of the trade express their opinion on. He has quite a lot to pick from, as he makes a specialty of gladioli and dahlias, also a lot of other hybrid stock.

The picnic will take place on Sunday, September 4, and all florists and friends are invited to attend. This affair will be somewhat different from what we have had before, as it will be more on the order of an old-fashioned basket picnic. There will be the games and other pastimes the same as usual, and there will be just as good a time. It will take place at Butzlaff's Grove, at the end of North Milwaukee car line.

Albert Groth says he is running into another crop of carnations. His carnations were exceptionally fine during the summer months. This is accounted for by the late planting he did last fall, as his heating system was not in order and he could not keep his houses at the right temperature.

Wm. C. Zimmerman will go to St. Louis this week to attend the Eagles convention. He intends to meet Will Smith, which will make it more pleasant for him, and there is no question but what they will have a good time, as they are two of a kind and know how to enjoy themselves.

J. Sherrer, of the Sherrer Co., formerly Chacona's, says he is well pleased with the way things are going. He is a new man in the business but takes hold of it as though he had been in the same for years. He no doubt will handle the place successfully.

Gustave A. Pohl seems to be one of the fortunates who had a nice cut of asters this year considering the dry spell and has quite a crop. Upon this writing the news has spread that his home has been blessed with a baby boy.

Holton & Hunkel Co. reports business good. The place looks as though it were moving day, but it is only

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Extra Fine Rose Stock

Will Close Out at Following LOW PRICES:

Stock is first-class, except those noted small.

	Each
42 3 1/2-in. Grafted White Killarney	10c
75 2 1/2-in. " " " (small).....	6c
250 2 1/2-in. Own root " " " (small).....	3c
700 3 1/2-in. Grafted Pink Killarney	10c
250 2 1/2-in. " " " (small).....	6c
600 2 1/2-in. Own root " " " (small).....	3c
600 3 1/2-in. Grafted Richmond	10c
1400 2 1/2-in. Own root " " " (small).....	6c
800 2 1/2-in. " " " (small).....	3c
400 2 1/2-in. Grafted Cardinal	10c
75 3 1/2-in. " " " (small).....	8c
500 3 1/2-in. Own root " " " (small).....	3c
400 2 1/2-in. Katserin	4c
250 2 1/2-in. Perles	4c
150 2 1/2-in. Maid	3c
200 2 1/2-in. Maryland (small).....	4c

Poechlmann Bros. Co., Morton Grove, Ill

WANTED

3-, 4- and 5-inch **Pandanus**
Utilis and Veitchii. Address
Key 186, care American Florist.

ASPARAGUS

Asparagus Comorensis, 1-yr.-old clumps.....\$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
Fine stock for dividing up.

GEO. REINBERG,

35 Randolph Street, CHICAGO.

caused by the remodeling of the store and the firm expects to have a very fine place when finished.

Roy Currie, of Currie Bros. Co., is back on his job since Monday and says he had a good time. He spent most of his time canoeing and sailing at Army Lake. Will Currie has left for this place to enjoy himself.

Fred H. Holton was in Chicago last week to attend the Knights Templars convention. The long walk did not make a bit with him in the parade; it had a very bad effect on his joints.

C. C. Pollworth reports business very good, being exceptionally busy in the bulb line. Every one is back on duty after the summer vacations.

Julius Neubeck, of the M. A. McKenney Co., is running the shop alone at present, while Mr. and Mrs. Davis are spending their vacation.

Miss Rose Semmler, of the Edlefsen-Leidiger Co., is taking a month's vacation and is spending same at Buffalo and Cedar Lake.

J. M. Fox reports business good. He handles quite a large quantity of garden truck of the fancy variety.

Miss Anna Holz has returned after spending her vacation in Indiana and reports a very good time.

Fred Schmeling is still cutting a few good carnations which are selling rapidly.

The E. Welke Co. reports business very satisfactory, especially in funeral orders.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Fassiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2 1/2-in. pots, \$3.00 per 100; **Chrysanthemums**, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2 1/2-in. pots, \$3.00 per 100.

Salvia, entire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

FIELD-GROWN

CARNATIONS

Clean, healthy plants. Only a limited number to offer. Per 100
WHITE PERFECTION.....\$7.00
O. P. BASSETT..... 6.00

J. A. BUDLONG

39 Randolph St., Chicago.

Cacti 20 fine named Cacti, post-paid, \$2.00.
6 unlabeled, 38c, postpaid.

Wholesale rates low to dealers.
Will exchange for useful articles.

MRS. S. L. PATTISON, Cactus Dealer,
Mesilla Park, New Mexico, U. S. A.

Visitors: John Benstaad, Racine; Oscar Kuehn, St. Louis, Mo.; C. B. Tremain, Hartford; R. Miller and wife, Racine. G. R.

Manheim, Pa.

About 150,000 square feet of glass are devoted to carnation and sweet pea culture in this town. E. P. Hostetter has two ranges, comprising 75,000 square feet, largely devoted to carnations. He grows likewise a fine quality of **Asparagus Sprengeri**.

M. H. Hostetter is a carnation grower with a side line of sweet peas. He has about 50,000 square feet of glass and his range is well kept up.

P. S. Hostetter has succeeded to the business of the Manheim Carnation Co. and is also interested in winter flowering sweet peas.

Press Photography for the Amateur.

Combined with the idea that photographing for the press is the highest branch of the art, is the erroneous notion that none but the most costly cameras can be used for press work. Except in size, there is no requirement for a camera for such work different from any other. At least a 5 x 7 size should be used, as the photos are always "thrown down" (made smaller) in the engraving room and often distorted for "telling" effect. With your first thrill of triumph, the germs of the fever of success at seeing your work in some publication, will come the faintest chill of disappointment that the photos are not full size. It is all there, but the 6½ x 8½ you worked out so faithfully is down to 4 x 5. Your consolation must be that reduction in size has also worked a reduction in defects. My first accepted illustrations were only 3½ x 3½, but I have had so many rejected on account of size that I do not advise anything under 5 x 7.

A very high authority on the subject advises but one brand of plates, and that a fast one. My experience has neither proved nor disproved that advice definitely; I have sometimes been where a plate was needed of a speed too fast for safety in ordinary "view" work. A fast plate will help out a slow lens, and as many of my best illustrations have been made with a 5 x 7, costing \$7.50, I have found two grades of plates a necessity. The much-discussed ray filter is a good addition to an outfit. While it will not do all that many claim for it, in many cases it will be found a great help. When you decide to use it, focus through it. If it gives the clouds distinctly and the foreground is clear and sharp in detail, make the exposure, allowing the extra time, and you will have the "cloud effects" in the print.

The question of what to select as a subject is as wide and indeterminate as the universe. That I have, since the first article appeared, "viewed for publication" a range of subjects from a swill barrel at a farmer's back kitchen door to a great battle-field, shows the infinite variety to be covered. Often the text of a "story" allows great latitude in composition, and in such cases the old rule should govern. We instinctively see from left to right; we read our lines that way and our illustrations should unfold in the same direction. A view of a plain should have the point of interest in the lower left portion of the picture, with just sufficient margin to give a setting; the sky-line should be low, a very small stop used, and everything in focus.

Straight lines across a landscape, such as roads, should cross the line of sight at an angle of 30 degrees. In views of a broken country or mountain streams the sky-line should be high up on the plate; a stream should break the sky-line in the upper right-hand portion, flow from right to left, and leave the view in the lower left hand. We "read" a mountain water-course up-stream, and this composition gives the natural left to right rendering. In a river scene the unbroken water portion should never occupy more than one-half the width of the view. Everything that appears in all such illustrations should be sharp in outline, as the interest is in everything from foreground to sky-line, and indefiniteness mars the effect. Where the interest centers in some one point occupying relatively a small portion of the plate, the background may be ignored, or at least slighted.—A. M. St. Cyr in American Photography.

VIOLETS

Gov. Herrick, Princess of Wales, fine field-grown plants, \$5.00 per 100; \$45.00 per 1000.

Lady Campbell.....\$4.00 per 100; \$35.00 per 1000

ASTER PLANTS

Sample's Branching, White, Pink, Lavender\$1.75 per 1000

Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengeri, 2½-in.....\$2.00 per 100; 300 for \$5.00

Celery and Cabbage Plants, best varieties.....\$1.00 per 1000; \$7.50 for 10,000
Parsley, double curled.....\$1.50 per 1000

J. G. SCHMIDT,

Bristol, Pa.

SIMPLY BECAUSE WE MUST HAVE ROOM

We Are Closing Out Our Orchid Stock

ENTIRELY. WE CAN STILL SUPPLY

250 Cattleya Trianae and 100 Cattleya Each	209 Cypripedium Leeanaum, at.....	Each
Labiata, at.....\$2.00	100	.50
Cattleya Schroederiae all sold.		1.00
150 Cattleya Percivaliana, at.....\$1.00	Balance sold.	

They Are the Best Value in Orchid Stock You Ever Bought.

All established plants and warranted to flower.

CHARLES H. TOTTY, Madison, N. J.

Asparagus Primroses

	Per 1000	Per 100		Per 1000	Per 100
Plumosus, 2½-in. pots.....	\$ 2 00		Kewensis, Yellow.....		\$2 00
Sprengeri, 2½ in. pots.....	2 00		Chinese and Forbesi.....	\$18 00	2 00
Ready Sept. 15.			Obconica Alba and Rosea.....		2 00
Pansy Seed, new crop.....	Per oz.		Obconica Gigantea.....	25 00	3 00
Giant Flowering.....	\$ 4 00				

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: Oncidium Varicosum Rogersii, O. Marshallianum, O. Forbesii, Laelia Purpurata, L. Cinnabarina, Cattleya Citrina, Odontoglossum Grande.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids, Cattleyas

Dendrobiums, Laelias, Odontoglossums.

G. L. FREEMAN CO.

FALL RIVER, MASS.

See It at Rochester

—NEW CARNATION—

"CHRISTMAS CHEER"

Easy to grow. Easy to sell.
It will make a fortune for you.

HENRY EICHHOLZ, Waynesboro, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite. R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitman Ferns 4-in. 25c each.

Vinca Var., 2-in. \$2.00 per 100.

Roses, Bride Maids and Gates. 3-in., \$5.00 per 100.

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Ferns

Whitman, 3-inch stock, 6c.; 4-in. \$1.50 per doz. Superbissima, 4 inch, 15c. 6-inch 25c each.

W. W. COLES,

KOKOMO, INDIANA.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

Mention the American Florist when writing

ANNUAL REPORT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA

SECRETARY'S REPORT FOR YEAR ENDING AUGUST 1st, 1910

The number of square feet of glass insured by the 1,660 members of The Florists' Hail Association of America, is located as follows:

	Single thick glass	Double thick glass	Single thick glass Extra one-half	Double thick glass Extra one-half	Single thick glass Extra whole	Double thick glass Extra whole	Amount paid for losses to Aug. 1, 1909 to Aug. 1, 1910.
Arkansas	17,670	21,560					
Colorado	480,907	690,923	120,763	93,340	259,555	433,723	\$5,058.81
Connecticut	4,000	112,019		43,986		2,100	
Delaware	55,002	72,245				4,200	
Georgia	6,048	3,360					
Illinois	353,735	3,401,521	69,578	527,60	75,455	713,095	334.70
Indiana	290,457	1,383,063	41,875	233,708	97,322	196,035	134.11
Iowa	385,380	1,106,339	20,701	366,908	106,989	275,605	508.22
Idaho	9,705						
Kansas	530,650	494,297	39,622	46,824	276,732	354,275	16,676.98
Kentucky	85,162	133,971	1,500		26,396	38,980	
Louisiana	2,472	13,000					
Maine	3,724	44,429	1,000	3,000	1,100		
Maryland	118,095	103,235	19,205	3,328	8,900	21,758	
Massachusetts	18,350	170,175	1,100	18,000		2,064	
Michigan	150,719	873,839	4,312	167,302	11,644	148,710	11.65
Minnesota	91,658	1,120,732	11,112	51,824	23,743	688,010	
Missouri	801,133	1,296,408	128,460	170,019	445,711	789,249	478.20
Montana	148,240	43,726			11,710	22,776	
Nebraska	352,232	207,062	141,214	61,749	108,396	94,811	166.88
New Hampshire	900	36,270					
South Dakota	48,045	39,120			34,935	16,245	86.90
North Dakota	1,492	24,978	1,492	8,725		10,113	
New Jersey	48,394	1,218,700		227,958		25,006	
North Carolina	22,395	50,480				3,676	96.41
South Carolina	2,400	14,800					
New Mexico	4,768	47,046		23,966	4,768	10,880	
New York	192,675	799,100	10,212	36,190	12,400	51,080	147.55
Ohio	721,576	2,364,385	79,476	321,568	43,454	386,386	331.13
Oklahoma	71,884	78,149	2,240	10,608	60,780	35,991	1,635.46
Pennsylvania	504,977	3,016,504	79,020	292,190	42,829	775,431	558.09
Rhode Island	616	45,297	616	34,185		9,950	
Texas	91,845	288,513		11,978	15,950	50,725	1,153.37
Virginia	45,827	80,465			1,982	28,513	
West Virginia	43,280	3,165			16,360		
Wisconsin	96,970	425,000	6,839		7,250	34,207	
Washington	12,910						
Wyoming	7,000				7,000		
Dist. Columbia	8,144	75,464	400	3,883	4,220	71,576	
Canada	6,844	100,396			5,844	48,996	

5,838,181 19,997,736 771,737 2,758,304 1,711,425 5,324,166 \$27,378.46

The above is equivalent to an insurance upon 34,636,555 square feet of glass.

The total receipts for the year ending Aug. 1, 1910, and including last year's balance, as per Treasurer's report, have been \$40,109.09.

The total expenditures, as per Treasurer's report, have been \$38,523.61.

The Emergency Fund is exhausted, and \$3,301.20 has been borrowed from the Reserve Fund, of which \$1,585.45 in cash remains on hand.

The amount of interest collected on Reserve Fund investments for the year is \$970.00. The amount of interest collected on bank deposits for the year has been \$183.83.

Losses representing a breakage of 222,413 square feet of single thick glass and 82,757 square feet of double thick glass, have been paid during the year.

1,520 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$188,000.00.

The 10 per cent. assessment on hazardous risks netted the treasury \$79.43.

The estimated liabilities of the Association are: amount due Reserve Fund of \$3,301.20, and a few unadjusted losses, amounting to a few hundred dollars.

The Reserve Fund consists of \$22,000 in securities and \$1,301.20 due from the Emergency Fund.

The following table shows losses reported to the Secretary for the past twenty-three years and number of claims paid.

STATES	No. of hail-storms from June 1, 1887, to Aug. 1, 1910.	No. of losses paid from June 1, 1887, to Aug. 1, 1910.	No. of hail-storms for year ending Aug. 1, 1910.	No. of losses paid for year ending Aug. 1, 1910.
Alabama	1	1		
California	1			
Maine	3			
Vermont	3			
New Hampshire	1	1		
Rhode Island	1	1		
Connecticut	10	1		
Massachusetts	12	1		
New York	109	19	3	2
New Jersey	80	10	7	
Pennsylvania	94	75	11	12
Delaware	4	1		
Ohio	102	96	5	5
Indiana	60	57	9	3
Illinois	127	120	15	6
Michigan	29	14	2	1
Wisconsin	36	37		
Minnesota	54	63		
Iowa	117	170	2	9
Missouri	103	188	3	8
Kansas	141	236	17	48
Nebraska	69	37	1	1
Arkansas	4	1		
Colorado	66	155	1	14
North Dakota	7	2	1	
South Dakota	22	23	1	2
Montana	3	2		
Wyoming	5			1
Maryland	19	6		
Virginia	6	3		
West Virginia	12	4		
North Carolina	6	3	1	2
Kentucky	19	14		
Georgia	6	2		
Texas	35	30	4	7
Louisiana	3			
Tennessee	3	1		
Florida	1			
Mississippi	2			
Oklahoma	25	23	5	4
District of Columbia	4			
Canada	5	5		
New Mexico	7	7		
South Carolina	1			

After paying out over \$82,000 in the last three years, an extra assessment is necessary, for the first time since the organization of the Association, to restore funds borrowed of the Reserve Fund, and put the F. H. A. upon a strong cash basis.

The time of levy will be fixed by the Directors, and your Officials have not a shadow of a doubt but that it will be promptly paid.

JOHN G. ESLER, Secretary

TREASURER'S REPORT FROM AUG. 1st, 1909 to AUG. 1st, 1910

Received from 20th Assessment	\$20,611.30
Received from Membership Fees	1,503.08
Received from New Membership	815.05
Received from Additional Membership	919.09
Received from Extra One-half Assessment	232.15
Received from Extra Whole Assessment	584.58
Received from Re-Insurance	368.02
Received from Interest on Reserve Fund	970.00
Received from Interest on Bank Deposit	183.83
Received from Sale of Securities	5,048.61
Received from Proceeds of Note to Jenkintown National Bank	1,958.67

\$32,994.38

Expenses from Aug. 1, 1909 to Aug. 1, 1910

1909		
Aug. 5,	John G. Esler's carfare to Wyncote and return to balance books of Treasurer	\$5.00
Aug. 6,	Albert M. Herr. Postage Sept. 1, '08 to Aug. 27, '09	5.00
Aug. 16,	Florists' Pub. Co. adv. annual meeting	1.00
Sept. 2,	Horticultural Pub. Co. adv. annual meeting	1.00
Sept. 2,	Advertising in Convention Souvenir	15.00
Sept. 2,	Amer. Florist, adv. an. meeting and pub. an. report.	26.00
Sept. 2,	A. T. De La Mare Co., 100 circular letters	3.00
Sept. 2,	Fidelity & Casualty Co., Secretary's bond	5.00
Sept. 8,	Market Growers' Jour. Co. adv. annual meeting	1.00
Sept. 8,	A. T. De La Mare Co., 250 letter heads	4.00
Sept. 8,	Florists' Exchange adv. annual report	1.00
Sept. 11,	John G. Esler, $\frac{1}{4}$ lb. rubber bands and 1 record book for minutes	1.95
Oct. 7,	A. T. De La Mare Co., 300 warrants and 1850 annual reports	36.00
Oct. 14,	A. T. De La Mare Co., 500 Constitution and By-Laws	11.00
Oct. 14,	Stokes & Packard, Treasurer's bond	70.00
Nov. 3,	A. T. De La Mare Co., 1800 Twent'h Assess'm't notices	22.00
Nov. 3,	A. T. De La Mare Co., 1800 assessment receipts	5.00

Nov.	3.	E. G. Hill, on account of salary as President	50.00
Nov.	3.	Joseph Hancock, on account of salary as Treasurer ..	100.00
Nov.	3.	John G. Esler, on account of salary as Secretary	200.00
Dec.	8.	A. T. De La Mare Co., 4500 envelopes	16.75
Dec.	13.	Tengwell Co., 4950 ledger leaves, 10 binders, 2 indices	167.50
1910			
Jan.	6.	J. G. Esler, postage, telephone and expressage	14.35
Jan.	19.	A. T. De La Mare Co., 200 circular letters and 200 letter heads	7.25
Feb.	7.	A. T. De La Mare Co., 1500 add. coupons and blanks ..	3.50
Feb.	7.	E. G. Hill, on acct. salary as President	50.00
Feb.	7.	Joseph Hancock, on acct. salary as Treasurer	100.00
Feb.	7.	John G. Esler, on acct. salary as Secretary	200.00
Mar.	3.	A. T. De La Mare Co., 2300 applications	3.00
Mar.	4.	John G. Esler, postage includ. 20th assessment	37.00
Apr.	6.	Joseph Hancock, expressage, postage and envelopes ..	34.09
Apr.	11.	A. T. De La Mare Co., printing 200 circular letters and 300 applications	6.75
May	4.	E. G. Hill, on acct. salary as President	50.00
May	4.	Joseph Hancock, on acct. salary as Treasurer	100.00
May	4.	John G. Esler, on acct. salary as Secretary	200.00
May	19.	A. T. De La Mare Co., 400 letter heads and 300 circular letters	8.00
June	25.	Florists' Pub. Co., adv. Sept. 1, 1909 to Sept. 1, 1910	15.00
July	5.	Florists' Exch., adv. Sept. 1, 1909 to Sept. 1, 1910 ..	15.00
July	6.	A. T. De La Mare Co., 100 circular letters and 100 letter heads	7.00
July	18.	John G. Esler, postage, telegrams, stationery	34.80
July	22.	Amer. Florist Co., adv. Aug. 1, 1909 to Aug. 1, 1910 ..	15.00
July	21.	Hort. Pub. Co., adv. Aug. 1, 1909 to Aug. 1, 1910	15.00
July	22.	E. G. Hill, balance due on salary as President	108.00
July	22.	Joseph Hancock, balance due on salary as Treasurer ..	388.00
July	22.	John G. Esler, balance due on salary as Secretary	1,120.00
July	26.	Joseph Hancock, postage and stamped envelopes	12.92
July	26.	E. G. Hill, Postage Stamps	9.50

Total.....\$3,301.36

TREASURER'S REPORT FROM AUG. 1st, 1909 to AUG. 1st, 1910—Continued

Losses from Aug. 1, 1909 to Aug. 1, 1910

Aug. 2, 1909	Washington Park Floral Co., Denver, Col.	\$1,051.35
Aug. 2, 1909	E. A. Kuhnke, Toledo, Ohio	25.14
Aug. 2, 1909	Park Commissioners of Davenport, Ia.	18.97
Aug. 2, 1909	Frank F. Crump, Colorado Springs, Col.	337.40
Aug. 2, 1909	Mrs. Mary F. Lehman, Denver, Colo.	14.28
Aug. 2, 1909	Newlander and Rolin, Denver, Colo.	104.25
Aug. 2, 1909	J. S. Work, Denver, Colo.	212.50
Aug. 2, 1909	Fred Hall, Montclair, Colo.	181.36
Aug. 5, 1909	W. C. Walter, Denver, Colo.	1,012.71
Aug. 7, 1909	Claude J. Hurt, Denver, Colo.	71.50
Aug. 7, 1909	Walter & Richmond, Denver, Colo.	240.96
Aug. 16, 1909	W. H. Searing, Greeley, Colo.	16.28
Aug. 16, 1909	S. T. & A. I. Culp, Littleton, Colo.	70.92
Aug. 20, 1909	Chas. A. Stinsonson, McPherson, Kan.	22.55
Sept. 8, 1909	Mrs. O. L. Reed, Pueblo, Colo.	29.88
Sept. 8, 1909	Longfellow & Williams, Muncie, Ind.	88.55
Sept. 8, 1909	Emil Glauber, Montclair, Colo.	170.52
Sept. 8, 1909	R. B. Hays, Shelby, Ohio	69.44
Sept. 8, 1909	C. C. Warburton, Battle Creek, Mich.	11.65
Sept. 8, 1909	John Heidenreich, Indianapolis, Ind.	45.56
Sept. 11, 1909	Sherman Nursery Co., Charles City, Ia.	38.93
Sept. 11, 1909	C. F. Barrett, Poughkeepsie, N. Y.	8.14
Sept. 13, 1909	J. F. Wilcox, Council Bluffs, Ia.	65.22
Sept. 13, 1909	Thos. Wohlewitz, Chicago, Ill.	14.67
Sept. 22, 1909	L. N. Keller, Toledo, Ohio	12.94
Sept. 27, 1909	Wm. Kring, Alton, Ill.	204.65
Sept. 27, 1909	Adolph Brix, St. Louis, Mo.	158.68
Sept. 28, 1909	George Breukert, University Park, Colo.	805.10
Oct. 1, 1909	Fred. Leucht, St. Joseph, Mo.	19.60
Oct. 1, 1909	Wm. Krumm & Sons, St. Joseph, Mo.	159.90
Oct. 7, 1909	Wm. N. Nichol, Watertown, S. D.	21.00
Oct. 16, 1909	J. T. Hendra, St. Joseph, Mo.	71.38
Oct. 25, 1909	S. Shisler, Beach City, Ohio	16.01
Nov. 6, 1909	M. L. Rittenhouse, Paris, Ill.	25.21
Nov. 12, 1909	S. K. Green, Paris, Ill.	7.42
Nov. 26, 1909	J. A. Helfrich, Paris, Ill.	66.53
Nov. 26, 1909	C. J. Lampe, Concordia, Kan.	5.60
Nov. 26, 1909	Waclav Bezdek, Cedar Rapids, Ia.	18.10
Dec. 11, 1909	George Hutton, Marion, Ia.	15.60
Jan. 10, 1910	Hickman & Son, Coffeyville, Kan.	44.65
Jan. 12, 1910	W. E. Smith, Arkansas City, Kan.	104.34
Jan. 14, 1910	I. N. Kramer & Son, Cedar Rapids, Ia.	32.36
Jan. 16, 1910	T. L. Eagle, Coffeyville, Kan.	10.33
Apr. 14, 1910	Furrow & Co., Guthrie, Okla.	33.62
Apr. 21, 1910	Horman Kaden, Gainesville, Tex.	126.50
Apr. 23, 1910	Waclav Bezdek, Cedar Rapids, Ia.	58.80
Apr. 27, 1910	Frederick Kohl, Durham, N. C.	18.83
Apr. 30, 1910	S. A. Love, Centerville, Ia.	32.74
May 2, 1910	Durham Floral Co., Durham, N. C.	77.58
May 4, 1910	John R. Lomas, Dallas, Tex.	81.70
May 11, 1910	Miss Mary Bliss, McPherson, Kan.	13.85
May 11, 1910	Hagerman & Carter, Oklahoma City, Okla.	1,289.70
May 11, 1910	Peter Mergen & Co., Maryville, Mo.	29.40
May 15, 1910	M. H. Lewis & Co., Strong City, Kan.	10.50
May 15, 1910	C. A. Hicks, Lawrence, Kan.	9.24
May 16, 1910	J. G. Angell, Oklahoma City, Okla.	192.29
May 16, 1910	Emporia Floral Co., Emporia, Kan.	30.80
May 16, 1910	A. Whitcomb & Son, Lawrence, Kan.	14.00
May 19, 1910	Robinson Seed and Plant Co., Dallas, Tex.	100.70
May 19, 1910	Chas. A. Simonson, McPherson, Kan.	130.05
May 19, 1910	T. C. Hemphill, Wichita, Kan.	864.53
May 23, 1910	J. H. Shaw, Florence, Neb.	14.25
May 23, 1910	Peter Brown, Lancaster, Pa.	5.04
May 23, 1910	C. Wm. Sidles, Hastings, Neb.	152.63
May 24, 1910	Frank L. Kohr, Lancaster, Pa.	42.00
May 24, 1910	Jacob H. Linkey, Mountville, Pa.	143.50
May 27, 1910	George R. Bixby, Wichita, Kan.	237.85
May 27, 1910	Isaac Spaeth, Jerseyville, Ill.	16.22
May 30, 1910	Horman Sickert, Wichita, Kan.	816.72
June 1, 1910	Oklahoma City Park Dept., Okla. City, Okla.	119.85
June 1, 1910	Chas. P. Mueller, Wichita, Kan.	2,754.68
June 3, 1910	R. Heshon, Lawrence, Kan.	305.06
June 4, 1910	Wm. Schick, Wichita, Kan.	2,159.80
June 6, 1910	Paul R. Brooks, Lawrence, Kan.	42.44
June 6, 1910	Mrs. J. H. Hill, Wellington, Kan.	2.75
June 8, 1910	Henry Moore, Manhattan, Kan.	58.14
June 8, 1910	Ira Blake, Wichita, Kan.	1,923.30
June 8, 1910	Elmer O. Sites, Wichita, Kan.	199.65
June 10, 1910	S. Stough, Wichita, Kan.	453.30
June 11, 1910	J. R. Sites, Wichita, Kan.	648.72
June 14, 1910	W. M. Shanks, Wellington, Kan.	8.10
June 14, 1910	Cahn & Dugan, Wichita, Kan.	237.18
June 14, 1910	Susan Margrave, Hiawatha, Kan.	10.70
June 14, 1910	D. S. Hersey, Wichita, Kan.	82.44
June 16, 1910	Amos Keuchenmeister, Wichita, Kan.	484.78
June 16, 1910	W. R. Matlock, Independence, Kan.	10.50
June 16, 1910	Green Floral Company, Dallas, Tex.	155.28
June 16, 1910	Haskell Avenue Floral Co., Dallas, Tex.	237.00
June 16, 1910	G. A. Kishbaugh, Independence, Kan.	32.46
June 17, 1910	R. L. Isherwood, Chillicothe, Mo.	27.74
June 17, 1910	F. C. Suchy, San Antonio, Tex.	20.29
June 20, 1910	S. G. Norris, Garden City, Kan.	2.94
June 20, 1910	Ernsberger & Bros. & Moses, Decatur, Ind.	169.16

Losses from Aug. 1, 1909 to Aug. 1, 1910

June 20, 1909	Francis E. Blake, Columbus, Kan.	72.50
June 22, 1909	Buch Floral Co., Lawrence, Kan.	9.60
June 22, 1909	Louis Winter, Columbus, Kan.	19.00
June 22, 1909	J. M. Kessler, Topeka, Kan.	19.30
June 23, 1909	John S. Morris, Merriam, Kan.	77.30
June 25, 1909	C. A. Rose, Wichita, Kan.	98.20
June 25, 1909	Benjamin K. Hedrick, Pekarise, Pa.	66.50
June 27, 1909	David H. Werst, Benjamin, Pa.	54.35
June 30, 1909	J. S. Boyd, Chebure, Tex.	451.90
June 30, 1909	Mrs. Sarah E. Staton, Columbus, Kan.	26.20
June 30, 1909	F. Keuchenmeister, Wichita, Kan.	1,048.32
June 30, 1909	C. E. Hubbard, Topeka, Kan.	17.02
June 30, 1909	John A. Smithers & Son, Berwick, Pa.	96.91
June 30, 1909	Souderton Bldg. & Loan Assn., Silverdale, Pa.	16.42
June 30, 1909	W. H. Culp & Co., Wichita, Kan.	1,461.60
July 5, 1909	Glen Floral Co., Rapid City, S. D.	65.90
July 5, 1909	F. C. Prizer, Collegeville, Pa.	3.70
July 7, 1909	Alfred G. Lozier, Des Moines, Ia.	227.50
July 9, 1909	Nels Nelson, Tamaqua, Pa.	37.10
July 2, 1909	Brauninger Bros., Kansas City, Mo.	8.20
July 2, 1909	Vellie Bros., Marlborough, N. Y.	139.41
July 5, 1909	M. W. Walters, Bettsville, Ohio	38.44
July 1, 1909	Hot House Vegetable Co., Hutchinson, Kan.	63.90
July 21, 1909	W. Guy Paine, Pottsville, Pa.	32.22
July 21, 1909	O. E. Evans, Berwick, Pa.	9.45
July 21, 1909	Hickman & Son, Coffeyville, Kan.	502.50
July 21, 1909	A. W. Fox, Mt. Pleasant, Pa.	28.60
July 22, 1909	T. L. Eagle, Coffeyville, Kan.	16.24
July 26, 1909	N. E. De Goller, Loveland, Colo.	649.80
July 28, 1909	Finleyville Floral Co., Finleyville, Pa.	21.70
July 28, 1909	E. H. Marshall, Sabetha, Kan.	7.00
July 28, 1909	Phil. Benz, Jr., Independence, Mo.	23.30
July 28, 1909	Hot House Vegetable Co., Hutchinson, Kan.	546.35

\$27,378.46

Investments for 1909 and 1910

Oct. 1, 1909	N. W. Harris & Co., New York	\$5,606.61
Mar. 12, 1910	N. W. Harris & Co., New York	2,235.42

Miscellaneous Expensés

Apr. 15, 1910	J. Clint. McPherson, 20th assessment refunded, having been paid previously	\$1.76
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Reserve Fund Investments

Seranton, Pa., bonds, 4 per cent.	\$2,000.00
South Bend, Ind., bond, 4.5 per cent.	1,000.00
Atlantic City, N. J., bonds, 4.5 per cent.	2,000.00
Waco, Tex., bond, 5 per cent.	1,000.00
Kalamazoo, Mich., bonds, 4 per cent.	2,000.00
Chicago, Ill., bond, 4 per cent.	500.00
Homestead, Pa., bond, 4 per cent.	1,000.00
Allegheny, Pa., bond, 4 per cent.	1,000.00
Orville Township, N. J., bond, 5 per cent.	500.00
Bergen, N. J., bonds, 5 per cent.	4,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Total	\$22,000.00

Recapitulation

Dr.		
To balance on hand August 1, 1909	\$7,114.68	
To total receipts for year ending August 1, 1910	32,994.38	
		\$40,109.06
Cr.		
By losses paid August 1, 1909 to August 1, 1910	\$27,378.46	
By expenses	3,301.36	
By investments	7,842.03	
Miscellaneous	1.76	
By balance on hand	1,585.45	
		\$40,109.06

Signed, JOSEPH HEACOCK, Treasurer

I have this day compared the accounts of Secretary and Treasurer of the Florists' Hall Association and found them to be correct, and the securities belonging to the reserve fund are intact and are deposited with the Jenkintown National Bank.

ALBERT M. HERR, Auditing Director.

Caucasian Products.

Frank N. Meyer, agricultural explorer, Tiflis, Caucasus, Russia, in a letter of April 1, says that A. C. Roloff, director of the Botanical Garden at Tiflis, is unusually well informed in regard to the economic products of the Caucasus, and wants to exchange seeds and plants with the United States Department of Agriculture. He offers Caucasian varieties of various fruits, as apples, pears, peaches, apricots, plums, pomegranates, etc.; also seeds and plants of various native trees, shrubs and herbaceous plants. The Department of Agriculture there has a corps of foresters all over the country, and practically any plant described from the Caucasus can be obtained at the Tiflis Botanical

Garden. They have the largest collection in the world of native Caucasian plants and are increasing it all the time. Mr. Roloff offers to send seeds of *Medicago glutinosa*, a very promising Caucasian alfalfa, and other drought resistant legumes adapted for fodder plants.

He also writes that in Asia Minor there are varieties of *Prunus laurocerasus* cultivated for their fruits, which are large and sweet and are considered by the Turks to be an especially fine fruit. Dr. Schmidt, director of the Caucasian museum, recommends that we try all the native Caucasian species of trifolium, 53 of them. He recommends *Trifolium resupinatum* as a lawn plant on account of its delicious perfume. He says the finest hazel nuts grow around Trebizond and Kerasund

in Asia Minor, and the Turkish government has prohibited their exportation. He has heard that bamboos grown in colder localities do not split like those grown in the subtropical climate of Chakva. There are large clumps of *Phyllostachys Quiloi*, *P. mitis*, and *P. aurea*, growing here and there in the Caucasus, and the people are beginning to make bamboo furniture. All these three species have stood nearly 10° below zero, F., in Tiflis, and were not killed. The government intends to build factories for utilizing the bamboos as soon as the supply gets large enough to warrant the outlay.

GROTON, MASS.—H. Huebner has been confined to his room with rheumatism for several weeks.

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Our Ready Reference Ad. Dept.

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Standard Steam and Hot Water Heating Plants

WONDERFUL VALUES. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now

Send for our Special Heating Catalog, filled with valuable information; tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47.

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

BUILDING MATERIALS AND SUPPLIES

Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds. Boilers, Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago

MR. FLORIST, IF YOU WERE SHOWN:

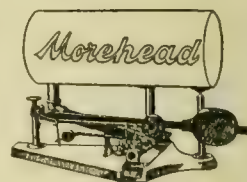
That by the installation of a good tilting steam trap you would effect a saving in fuel sufficient to pay for the trap in from three to six months.

That you would increase the efficiency of your steam lines by draining them of all condensation.

That this pure hot condensation could be returned to the boilers as feed water by means of this trap without the assistance of pump or injector.

Would it not be a matter of considerable import to you?

The MOREHEAD Tilting Return Steam Trap will do this and more.



WRITE FOR TRAP BOOK AND TRIAL OFFER PROPOSITION.

MOREHEAD MFG. CO., Department "N" Detroit, Mich.

King Iron Frame Greenhouses

"Ask the Man Who Has One."

What S. J. Goddard Says:

FRAMINGHAM, MASS., Jan. 15, '10.

Gentlemen:—

It gives me a great deal of pleasure at this time to tell you that I am perfectly satisfied with your construction. We have just experienced two very bad blizzards. One of them was very severe and the house never so much as trembled. In fact, it is the stiffest house on my place, and you know I have the best of construction on the others.

Wish you every success,

Yours very truly,
(Signed), S. J. GODDARD.

Send for Bulletin No. 35, which describes the King Iron Frame Construction.

KING CONSTRUCTION CO.,

North Tonawanda, N. Y.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Althernantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprenger, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Sprenger, 2½-in., 2c; 4-in., 9c each. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprenger, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprenger, 2½-in., \$2 per 100; Plumosus, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus nanus, 3-in., 6c. Sprenger, 3-in., 5c; fine for benching. Clara K. Wisner, Toledo, O.

Asparagus. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus Sprenger, Strong, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., \$6 per doz.; 5-in., \$9; 6-in., \$12. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

ASPIDISTRAS.

Aspidistra lurida, 15c per leaf. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

ASTERS.

Asters, J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas, Jaes Smits, Naarden, Holland.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

R. trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees, Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 4-in., 25c. Lonsdale, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, Paper White Grandi, \$8 per 1,000. Empress, Dbl. Von Sion or Princeps, \$10. Emperor, \$12. Stella, Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Lilium Formosum, 7-9, \$65 per 1,000; 8-10, \$87.50; 9-10, \$90. L. Harrisii, 7-19, \$90; L. Jamesi, 6-7, \$72; 7-9, \$95. Narcissus Paper White, Grandi, 14 cms. up, 1,000 to case, \$11. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Bulbs, Lilium Formosum, 7-9 inch. L. multiflorum, 7-9, 8-10, 9-10. L. Giganteum, 7-9, 8-10, 9-10. McHutchison & Co., 17 Murray St., New York.

Bulbs, Lilium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds, 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, French hyacinths, narcissus, freesia, Soleillet, Horticulteur, Toulon, France.

Bulbs, all kinds, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties, H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, of all kinds, Henry F. Michell Co., Philadelphia.

Bulbs, of all kinds, Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Callas, Berrydale Exp. Gardens, Holland, Mich.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. S, Mesilla Park, N. M.

Cacti, Mrs. S. L. Pattison, Mesilla Park, N. M.

CANNAS.

Cannas, fall or winter delivery. R. Vincent, Jr., & Sons Co., White Marsh, Ind.

CARNATIONS.

CARNATION PLANTS.

Clean, healthy, field-grown plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	Per 100.	Per 1,000.
Pink Enchantress	\$6.00	\$60.00
Rose Enchantress	.....	.....
White Enchantress	7.00	65.00
Perfection	6.00	60.00
Bountiful	6.00	60.00
Boston Market	5.00	50.00
White Lawson	.....	.....
Lawson	.....	.....
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	5.00	50.00
Winsor	5.00	60.00
Yellow Beauty	6.00	60.00
M. A. Patten	6.00	60.00

CASH WITH ORDER.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Carnations, field-grown, W. Perfection, L. Bountiful, W. Lawson, Victory, Enchantress, R. P. Enchantress, Lawson-Enchantress, Winsor, Winona, Viola, Sinclair, Afterglow, P. Lawson, \$8 per 100; \$55 per 1,000. Cash with order. Harry Heintz, West Toledo, O.

Carnation Sangamo, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

FIELD-GROWN CARNATIONS.

500 O. P. Bassett, large, 8 cents
3,500 O. P. Bassett, small, 5 cents
350 Victory, small, 5 cents
800 Mrs. T. W. Lawson, large, 8 cents
200 Winsor, large, 8 cents
100 Beacon, fair size, 8 cents

THE PARK FLORAL CO., Denver, Colo.

Carnations, field-grown, strong, healthy plants, Enchantress, Rose Pink Enchantress, White Perfection, Lawson and Queen, \$6 per 100; \$55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, White Perfection, \$7 per 100; O. P. Bassett, \$6. J. A. Budlong, 39 Randolph St., Chicago.

Carnations, F. Dörner & Sons Co., Lafayette, Ind.

Carnation Christmas Cheer, Henry Eichholz, Waynesboro, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

LAST CALL FOR MUMS.

Here is a list of varieties we have for sale:

OUT OF SOIL.			
White.	Per 100	Yellow.	Per 100
Oct. Frost,	\$2.00	R. Halliday,	\$2.00
W. Ivory,	2.00	Y. Bonaffon,	2.00
W. Bonaffon,	2.00	G. Beauty,	2.00
Col. Appleton,	2.00	Pink.	
Yellow.		Pink Ivory,	2.00
Golden Glow,	2.00	Red.	
Monrovia,	2.00	Black Hawk,	2.00

2-INCH STOCK.

	Per 100		Per 100
Early Snow,	\$2.50	Black Hawk,	\$2.50
R. Halliday,	2.50	Miss C. Frick,	2.50
Souv. de Scand-		V. Poehlmann,	2.50
lans,	2.50	Golden Eagle,	2.50

TOPPED PLANTS FOR POT CULTURE.

White.	Per 100	Yellow.	Per 100
Oct. Frost,	\$2.00	Monrovia,	\$2.00
White Ivory,	2.00	R. Halliday,	2.00
W. Bonaffon,	2.00	Y. Bonaffon,	2.00
Yanoma,	2.00	Pink.	
V. Poehlmann,	2.00	Pink Ivory,	2.00
Yellow.		Red.	
Golden Glow,	2.00	Black Hawk,	2.00

2-INCH STOCK POMONS.

Baby Margaret,	\$2.50	K. Cowill,	\$2.50
Baby,	2.50	Mrs. E. Roberts,	2.50
Klondike,	2.50	Pilloria,	2.50
Quinola,	2.50	Earlwood Beauty,	2.50
Lulu,	2.50	Irene Cragg,	2.50
Ladysmith,	2.50	Diana,	2.50
Rob Roy,	2.50		

WIETOR BROS.,

51 Wabash Ave., Chicago.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Touset, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, White Cloud, P. Supreme, G. Glow, Ivory, Bailey, Klondike, Lulu, 2½-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 60c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Western Springs, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CYCLAMENS.

Cyclamen persicum giganteum from 4-in. pots, stocky; plenty of leaves and well set to buds. Must be sold quick or shifted. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen giganteum, separate colors, fine plants, 3½-in. pots, \$6 per 100. W. D. Oviatt, 520 Highland Ave., Rochester, N. Y.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cyclamen grandif., 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CINERARIAS.

Cinerarias, Dreer's prize dwarf, 2-in., \$2 per 100. Wettlin Floral Co., Hornell, N. Y.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, fine clumps, \$6 per 100; \$45 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena fragrans. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaena Sanderiana, 3-in., \$2 per doz.; \$15 per 100. Chas. D. Ball, Holmesburg, Pa.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmons, Newton, N. J.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

10,000 Bench Ferns, strong, clean, healthy Scholzei for 4-5-inch, 20c; 5-6-inch, 25c; extra heavy, 30c. Scottii for 3-4-inch, 8c; 4-5-inch, 12c; 5-6-inch, 15c. Boston for 4-5-inch, 12c; 5-inch, 15c; extra 6-inch, 25c. Whitmanii, 4-5-inch, 12c; 6-7-inch specimens, 25c. Asparagus Sprengeri, heavy, 3-inch, \$3 per 100. Cash. Satisfaction guaranteed. Wm. S. Herzog, Morris Plains, N. J.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitmanii, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Elegantisima, improved, 6-in., 50c Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantisima Compacta, 4-in., 25c; 6-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-in., pans, \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns from bench, Boston and Elegantisima, 4-in., 10c; 5-in., 12½c. Whitmanii Amerpohli, 3, 4 and 5-in., 8c, 12c, 15c; Scottii, 3-in., 6c; 4-in., 10c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, Scottii, Whitmanii, Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c to 50c. Ferns for dishes, assorted, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmanii, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns, Whitmanii, 2½-in., \$5 per 100; \$40 per 1,000. Neph. Magnifica, 2½-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Elegantisima, mixed, 3-in., 8c to close out. Whitmanii and Elegantisima, 2½-in., 5c; 3-in., 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns, Whitmanii, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FIGUS.

Ficus. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus Pandurata. Robt. Craig Co., 4900 Market St., Philadelphia.

GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthus, Nutt, Jean Viand, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Le Cadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viand, Costelline, Poitevine Joulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmons, Newton, N. J.

GERANIUMS. Good stock for immediate delivery: Nutt, Poitevine, Viand, Buchner, from 2½-in. pots, \$1.75 per 100; \$15 per 1,000. R. C., \$1.25 per 100; \$10 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 3-in., asst., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rose geraniums, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays, Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, green galax, 35c per 1,000. Fancy and dagger ferns, 50c per 1,000. J. P. Presnell & Co., Inc., Watuga Falls, N. C.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, galax leucothoe, evergreens and ferns, laurel wreathing, needle pines, sheet moss. Swau & Cheggin, Roan Mountain, Tenn.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 33 W. 28th St., New York.

Greens, cut palmato and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

HARDY PLANTS.

HARDY PLANTS. All of the most desirable kinds. Give list of wants and we will quote prices. Wagner Park Conservatories, Sidney, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German Iris, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

German Iris, 50 vars., \$6 per 100. Japan Iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

JERUSALEM CHERRIES.

Jerusalem cherries, 2½-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the Valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Kiel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, shrubs, ornamental trees, roses, etc. Chase Bros. Co., Rochester, N. Y.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsich & Ordóñez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Chas. H. Totty, Madison, N. J.

PALMS.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Fors., 7-in., 34-36 ins., \$3.50 each; made up, 32 to 34 ins., \$3 each; 36 to 40 ins., \$4. Kentia Bel., 7 in., 34-36 ins., \$4 each; 7-in., 28-30 ins., \$3; 6-in., 26-28 ins., \$1.75; 4-in., 35c each; \$35 per 100; 2½-in., \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Chas. D. Ball, Holmesburg, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus, Veitchii, 4-in., 50 each; \$6 per doz.; 7-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Pandanus Veitchii, 3-in., \$3.50 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, Leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Peppers, 2½-in., \$2.50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Celestial peppers, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

POINSETTIAS.

Poinsettias, established young plants, \$4 per 100; \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Poinsettias, 3-in., \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Poinsettias, 2-in., \$5 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Rondonfer's and Lattman's unrivalled hybrids, 14 colors or mixed, 2c. Obconica Gigantea, 3 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primulas, Chinese, the very best strains, 2-in., \$2 per 100; 2½-in., \$3 per 100. Primula obconica grandiflora, Kewensis, Rosea, Alba in mixed or separate, 2-in., \$2 per 100; 2½-in., \$3 per 100. Wettlin Floral Co., Hornell, N. Y.

Primulas, obconica, 2-in., alba, rosea, hybrida, rubra, \$2 per 100. Gigantea, Carmine, Kewensis, \$3. Byer Bros., Chambersburg, Pa.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 2-in., \$3 per 100. Obconica, 3-in., \$7. D. U. Augspurger & Sons Co., Peoria, Ill.

Primrose, Chinese, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$3.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 8, Mesilla Park, N. M.

ROSES.

ROSE PLANTS, 2½-INCH POTS.

	100	1,000
Kaiserin	\$4	\$35
White Killarney	7	60
Mrs. Jardine	4	35

WIETOR BROS.,

51 Wabash Ave., Chicago.

Roses, Brides, 3-in., \$4 per 100; My Maryland, 3-in., \$5 per 100; P. Killarney, 3-in., \$5 per 100; W. Killarney, 3-in., \$7 per 100; K. A. Victoria, 3-in., \$7 per 100; Bon Silene, 3-in., \$4 per 100. Cash with order. Harry Heintz, West Toledo, O.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chatenay, Killarney, Etrole de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 1,000 Maids, 500 Brides, 3-in., fine stock, \$5 per 100; \$50 the lot. Cash. Chas. Ederer, Omaha, Neb.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, American grown hardy. For varieties and prices see page advertisement elsewhere in this issue. Ellwanger & Barry, Rochester, N. Y.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonfire, 3-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Winter onion sets. Vaughan's Seed Store, Chicago and New York.

Seeds. Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, sweet peas, mignonette, pansy, cyclamen, asparagus and smilax. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grover, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Asters. Elmer D. Smith & Co., Adrian, Mich.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax, 2-in., \$3 per 1,000. D. U. Augspurger & Sons Co., Peoria, Ill.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

Smilax from 2-in. pots, \$1.75 per 100; \$15 per 1,000. J. L. Schiller, Toledo, O.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STEVIA.

Stevia, R. C., 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CABBAGE PLANTS, all standard sorts, 75c per 1,000. LETTUCE, Grand Rapids and Big Boston, \$1 per 1,000. PARSLEY, double curled, 25c per 100; \$1.25 per 1,000. We have lots of testimonials to show that our plants are entirely satisfactory and that we land them safe. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 32-36 Randolph St., Chicago.

Deamnd Co., J. R., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York. Good & Halliday; 74 E. Genesee St., Buffalo, N. Y.

Guttman, Alex. J., 34 W. 28th St., New York. Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 40 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Witthold, Geo., 739 Buckingham Pl., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyles, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cincinnati—Julius Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Alpha Floral Co., 1105 Walnut St.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 Montreal—McKenna.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Gem City Return Tubular Firebox boilers.
 The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.00; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2042 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

Coal, Pocahontas, Brazil Block, W. Va. Excelsior Splint, Youghiogheny, Eureka, Plymouth, Northern States Coal and Mining Co., 406 Fisher Bldg., 277 Dearborn St., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit. Ideal coal for florists. Eldridge Coal Company. Telephone Harrison 5788.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

Coal, Black Gem Block. Black Gem Block Coal & Coke Co., Old Colony Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{5}{8}$ and $\frac{3}{4}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' Improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharr Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers: \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Gasser's Patent Zinc Joints, for butting glass. See advertisement elsewhere in this issue for prices. E. Kouigslow Stamping and Tool Works, 184 Champlain St., Cleveland, O.

New Imported Florists' Baskets. The Radelein Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Twemlow's Old English liquid putty. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Tags for flowers. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Bestol paint, greenhouse white, \$1.25 per gal. Best Oil Co., 30 Church St., New York.

Davis Combination Check and Globe Valve. W. B. Davis, Aurora, Ill.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Wrought pipe and fittings, heating boilers, valves. McArdle & Cooney, 507 Arch St., Philadelphia.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. B. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots. Standard, all sizes. A. F. Kohr, 2934-35 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps. Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

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Eldridge Coal Company



SOLE AGENTS FOR
**GENUINE OLYMPIA POCAHONTAS,
ANTHRA-BIT** THE IDEAL SMOKELESS COALS FOR FLORISTS' USE.

Special Prices for Immediate Delivery.

Prices Will Advance September 1st.

Our Yards Cover the City. All 'Phones Harrison 5788.

GENERAL OFFICE:
215 Dearborn St., CHICAGO

WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

THE ALLIED TRADES

Week's Steam Coal News

Chicago.—With the opposing factions of President Lewis of the United Mine Workers of America and President Walker of the United Mine Workers' Union of Illinois playing for points in their struggle for supremacy at the newest Indianapolis conference, the matter of opening the Illinois steam coal mines is still very much in abeyance. What the outcome of the latest gathering of the powers of miners' unions will be is very difficult at this time to prognosticate. A new phase to the complicated tangle is given by the arrival at Indianapolis in capacity of delegate from Spring Valley, Illinois, of John Mitchell, formerly at the head of miners' organizations. His well-known stand to conservatively view matters of this nature may tend to quicken the time when Illinois mines will resume producing coal.

On the other hand the Illinois Coal Operators' Association is determined to force the issue by importing into this state miners from other sections. This may conflict with a law of the State of Illinois, but this point will be cleared up through means of a test case. To this end the Illinois Coal Operators' Association will act collectively by purchasing one of the coal properties, bringing in outside miners to operate same, and, if there is any liability of any sort creeping up, the entire Association will bear the damages.

Meanwhile the visible coal supply is diminishing steadily.

In an interview with Mr. C. A. Eastman, vice president of Eldridge Coal Co., with regard to the present coal situation, he advised as follows:

"The Illinois mines have been idle so long since April 1 that regardless of whether they resume work by September 1 or later, the season is now so well advanced that a serious congestion in coal demand during the fall and early winter months can not be avoided. This situation will, no doubt, be aggravated by the fact that notwithstanding the idle mines in Illinois, the number of available empty cars is growing rapidly less each week and the railroads today report a much smaller number of idle cars than a year ago at this time, and the supply diminishing so rapidly that it will only be a short time until there is an actual shortage and no doubt a serious one in view of the congested demand that must come.

"As to Eastern coal, such as Smokeless, the railroads already report a car shortage, and the mines are only able to fill orders with a reasonable degree of promptness by using hoppers and other classes of cars that, as a rule, it is not necessary to resort to until much later in the season.

"The Lake Michigan docks and those at the head of the Lakes are drawing very heavily upon the mine

Northern States Coal & Mining Co.

406 Fisher Bldg., 277 Dearborn St., CHICAGO
Phone Harrison 6753.

Our Florist Business has increased up to present time

THIS YEAR 50 PER CENT.

Let us have your inquiries Now for the following grades of **FLORISTS' COALS:**

W. Va. Excelsior Splint,	Youghiogeny,
Brazil Block,	Eureka,
Pocahontas,	Plymouth, } Indiana.

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS COALS

Preparation and Quality as They Should Be.

We Make a Specialty of Supplying the Florist Trade

Miners and shippers of the following grade of coal:

Sunshine,	West Virginia Splint,
Indiana Brazil Block,	Youghiogeny and
Pocahontas,	Southern Illinois.

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co., 355 Dearborn Street,
CHICAGO.

Black Gem Coal & Coke Co.

Old Colony Building, CHICAGO.

SOLE DISTRIBUTORS

Long Distance 'Phone Harrison 962

Black Gem Block

All pure Coal. Intense Heat. White Ash. No Clinkers. No Smoke.
Four mines in Indiana.

Write or Phone for Delivered Price.

We are shipping orders for



Ventilating Machinery and Fittings

every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.

CYPRESS
IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.

THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Greenhouse Material and Sash

Of Every Description.

Get our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1861-1883 Flushing Ave Brooklyn, N. Y.

supply, as no season for years found the docks so completely cleaned up and entirely out of coal as the present one. This situation is also true as to local yards in and around Chicago, stocks in sight being much less than at this time for years past, while, from now on, there will be little chance for any accumulation in excess of the daily demand; the railroads also have been prevented from accumulating their usual supply on account of the long stoppage of the mines, which, no doubt, will result in an unusual amount of confiscation of shipments in transit as they help themselves without asking whenever they get short; so, taking it altogether, the outlook is for an unusually strenuous time during the next four or five months and possibly through the entire winter season, and we can not lay too much stress upon the importance to the consumers in avoiding any further delay in securing at least a reasonable portion of their supply, and in so doing they will have nothing to lose and a great deal to gain.

"As to Anthracite coal, particularly where the small sizes are used, all that is said above will apply with greater force, and while we are quick to forget all should remember the difficulty in securing small sizes last fall and winter and profit now by the experience."

A. L. BERRY COAL CO., 802 Great Northern building, Chicago, reports a good run of business on its coals, inquiries from florists and allied trades showing a decided improvement during the past two months.

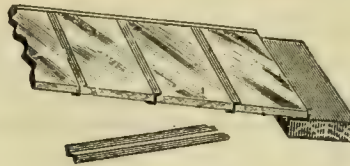
J. M. GASSER'S Patent Zinc Joints For Butting Without Laps.

The Improved Glazing for Greenhouses, Sky Lights, Etc.

Air and water tight. Saves fuel. Glass is not broken by frost or medium sized hail.

IMPROVED GLAZING.

We call particular attention to the J. M. Gasser Patent Zinc Joints, illustrated below, for which we are now the exclusive manufacturers, under special arrangement with the patentee.



These joints make glass roofs air and water tight, prevent breakage from frost, and where heat is required, as in greenhouses, save fuel and insure a uniform temperature. They have been in use for over twenty years, and the uniform experience of users has been most satisfactory.

Directions for Use.

Bed the bars in putty in the same way you have been doing. Use very soft putty. Take a board and spread with putty. Take a zinc

and scrape some putty on one side from off the board. Take a glass and scrape some putty on the end that you connect. Lay on board ready for use.

Put in the first glass in the same manner you have been doing, nail it so it cannot slide. Then take a zinc and connect with the glass, putty down; take a glass and connect it with a zinc, putty down; in this way you can connect as many as you reach then nail it. Have a boy to help you; he can put the putty on the zincs and glass, while you nail, and then he can hand you the zincs and glass while you put them in. In that way you can put in from 600 to 800 feet of glass a day.

PRICES.

Per 1000	Per 1000	Per 1000
18 inches, \$9.10	14 inches, \$5.00	10 inches, \$4.00
17 inches, 7.50	13 inches, 4.75	9 inches, 3.50
16 inches, 6.00	12 inches, 4.51	8 inches, 3.00
15 inches, 5.50	11 inches, 4.25	

Any size smaller, the same.

You can almost save the price of zincs on glass and putty.

In ordering, mention the size of glass between bars.

It takes one joint for every pane of glass.

10 per cent. discount for cash with order, or will be sent C. O. D. to unknown parties.

State if wanted shipped by express or freight

E. Konigslow Stamping and Tool Works,

Sole Manufacturers.
184-188 Champlain St., Cleveland, Ohio

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

CYPRESS

Is a wood that has come into very general use in

**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Steel Return Tubular Boilers

The Most Economical Type of Boiler
for Greenhouse Heating. Highly
recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St.,
NEW YORK.

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Boiler Flues

4-in. and other sizes, cleaned and trimmed
ready for heating, retubing boilers or gutter posts.
Prices right. Also sales Agent for Stuttle's Patent
Clamp for joining flues.

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506 No. State Street, CHICAGO, ILL.

BURNED CLAY

Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.



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CHALLENGE
VENTILATING
APPARATUS**
WRITE FOR ILLUSTRATED CATALOGUE
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6666 RICHMOND, IND.

O. S. RICHARDSON COAL Co.'s suite of
offices at 215 Dearborn street, Chicago,
was recently renovated, and the visitor
to this office now will find every con-
venience of modern times. Trade jour-
nals pertaining to the coal industry
occupy a prominent place in the outer
reception room, a comprehensive li-
brary is in evidence also. Mr. Ford,
the affable official of this large con-
cern, is on hand to meet the trade al-
most all the time during office hours.

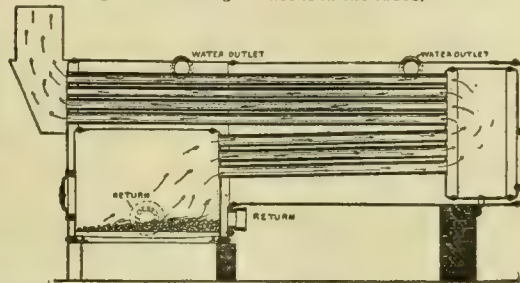
ALWART BROS. COAL Co., with rail
yards on C. & N. W. and C., M. & St.
P. railroads, with main yard at 1854
Webster avenue, Chicago, at which
place is also located the main office, re-
port a good demand for their Pocahon-
tas and Indiana block and other coals
from florists and greenhouse interests.
Contract steam coal is usually all cov-
ered by agreements early in the season,

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
 $\frac{2}{3}$ of the heating surface is in the tubes.

Ask the
man that
knows the
one using
different
style boilers
—names are
yours for
the asking.

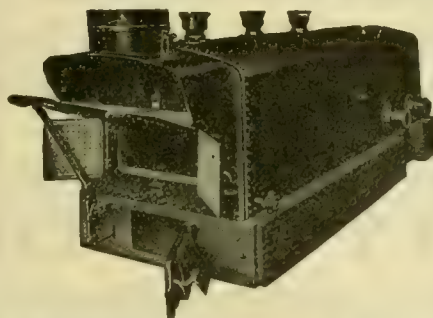


After using
our boiler
one season,
you will say
like all
others:
Nothing but
"Superior"
for me.

This boiler has given better satisfaction than any other boiler on the market
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



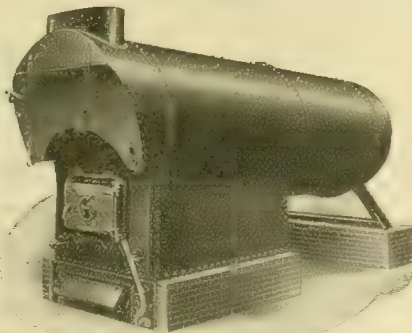
SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000
square feet of glass have installed
this boiler in 1906.

Ask for list of users and get acquainted
with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 452 W. Erie St.
CHICAGO.



The Gem City Return Tubular Firebox Boilers

Are the most economical for
Greenhouse heating.

Send for descriptive matter
and prices.

THE GEM CITY BOILER CO.
DAYTON, OHIO.

Attention, Florists and Nurserymen

WE HAVE SEVERAL

Second-hand Firebox, Tubular and Cast Iron Boilers

Suitable for hothouses and greenhouses.

Further Information and Prices Cheerfully Furnished. Address

Ryan Brothers, 545 W. Lake St., Chicago

but some of the greenhouse interests
are slower this year in signing up,
stated an official of this company.

CHICAGO.—Poehlmann Bros. Co. are
building 13 new greenhouses, each 27x
450 feet at the A plant.

IMPORTANT

Now that the Convention is over, all have returned to attend to business and make some money. If you intend to build this season you had better get busy as time is short.

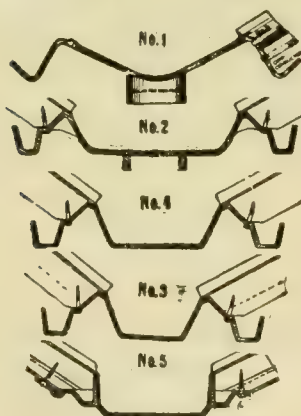
Our corps of draftsmen, detailers and estimaters are ready to serve you, Send us your inquiries on

**Gulf Red Cypress Roof Material,
Glass, Glazing Points, Putty,
Galvanized Steel Gutter and Brackets,
Galvanized Steel Trusses,
Pipe and Purlin Fittings, Hangers, Etc.
Pecky Cypress for Benches.**

In fact everything necessary for a Greenhouse. Thousands of prominent florists throughout the country can and will attest the quality of our work.

THE FOLEY MFG. CO. 2536 S. Western Avenue,
CHICAGO.

A Gutter With a Reputation

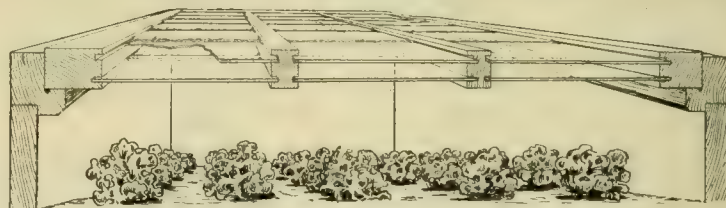


Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

Mention the American Florist when writing

CLARK T. ROBERTS, of E. L. Hedstrom & Co., Marquette building, Chicago, who have some large coal producing mines in all parts of America, reports all coal coming into their control as being "snapped up." Good prices are obtained—that is to say, 15 to 20 cents per ton over last season's figures. Inquiries from florists and nurserymen show up heavier than at previous seasons at this time of year, with a larger percentage of business maturing. Mr. Roberts looks for still higher prices in the near future.



CROSS SECTION OF A SUNLIGHT DOUBLE GLASS SASH ON A SUNLIGHT FRAME

Here is the sash you don't have to cover

Two layers of glass instead of one. A $\frac{1}{2}$ inch layer of dry, still air between—a perfect non-conductor—a transparent blanket—takes the place of mats and boards.

The saving in time and labor

Sunlight Double Glass Sash will pay for themselves in a single season. They never need covering—and therefore save half the time you have to give to single glass sash in covering and uncovering—in watching them on frosty nights.

Earlier, Stockier Plants

Under Sunlight Double Glass Sash the plants get all the light all the time. Every grower will see at once the value of the earlier, stockier plants resulting. Your crops will mature weeks ahead of the grower's who uses single glass sash—and you will get the benefit of the high prices in the early market.

Here is what one grower says

Harry S. Walker of Terre Haute, Ind., grew cabbage, tomatoes, eggplants and mangoes under Sunlight

Sunlight Double Glass Sash Co.

Double Glass Sash last season. The minimum thermometer was 15 below zero. No plants were injured. He says in part: "Plants grown under single layer sash were not to be compared with mine".

Agents wanted: A liberal commission to responsible agents where we have no agents now. Write us for details.

Get our free catalog today— It contains the details of this new invention for hot-beds and cold-frames, and testimonials from well known growers all over the U. S. who have used Sunlight Double Glass Sash successfully under all weather conditions. Use the coupon at once and get this interesting book free.

Send 4 cents in stamps for a valuable booklet on hot-bed and cold-frame gardening by Prof. W. F. Massey. There is no higher authority in the country. If booklet is wanted mark a cross (X) on square in coupon and enclose 4 cents in stamps.

934 E. Broadway, Louisville, Ky.



Coupon for free catalog.

Name.....

Address.....





JUST another example of the splendid houses our Iron Frame Construction makes. It is really a group of three palm houses—rather an unusual instance. We erected it a few years ago for the Friends Asylum at Frankford, Pa., which is just outside of Philadelphia. Send for Our Illustrated Circular.

HITCHINGS & COMPANY, 1170 Broadway, NEW YORK.

McArdle & Cooney

507 Arch Street,

PHILADELPHIA, PA.

Wrought Pipe and
Fittings.

Heating Boilers,
Valves.

And all Appliances for

GREENHOUSE HEATING.

Catalogue on Application.

Harrisburg, Pa.

Business is rather quiet at present. The feature of the past week was the convention of the Association of Park Superintendents. This city like nearly all state capitals, is dull after the statesmen go home. At the capitol grounds and greenhouses there are fine features in horticultural work. The parks are also a fine feature of the city at this season.

NOTES.

J. A. Kepner has sold his retail store on South Market square to Wm. W. Walmer and will hereafter devote his attention to his greenhouses and his store at Steelton.

Charles Uttley, who has for the past five months been suffering from inflammatory rheumatism is now much improved and attending to business.

Albert Abdenroth, who has two nice greenhouses on Briggs street, intends in the near future to erect two more.

C. L. Schmidt is doing a prosperous business at his Third street store.



Curved Eave House at Hartford, Conn.

One of those three compartment Curved Eave layouts, with the workroom "jogged in" and a lean-to on the south side of it.

Such an arrangement overcomes a good bit of the shade cast by the workroom when attached in the usual way. You also gain additional room and secure a decidedly attractive effect.



We finished this one last fall, for Prof. Jacobus, at Hartford, Conn. Alfred Cevalius is the gardener.

Our gardener friends are invited to send for our Curved Eave circular. Some of the houses are illustrated in three colors. This one is fully described.

Lord and Burnham Company, Irvington, N. Y.

New York
St. James Building.

Boston
Tremont Building.

Philadelphia
Heed Building.

Chicago.
The Rookery.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

**Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.**

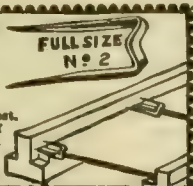
WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
Telephones: Lincoln 410 and 411.

Send Advs. Early for Best Service.

Holds Glass Firmly
See the Point **PEERLESS**
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

To Be Done Now.

IN THE GREENHOUSES.

Have everything in readiness for sowing the early mignonette and sweet peas for early winter flowering.

In spite of all that has been written on the subject few growers are awake to the fact that clear water, vigorously applied, is still the best antidote for red spider.

The young American Beauty rose stock must be freely watered. After the roots have obtained a good hold on the soil they are easily kept too dry especially where heavy spraying is not practiced.

In pruning holdover stock of tea and hybrid tea roses remove all green, undeveloped wood and old, black, useless shoots, cutting in the good wood to plump eyes.

Never try to hurry Begonia Gloire de Lorraine and similar varieties in hot weather. Give them their own time and they will grow freely a little later.

Plant up old stock plants of poinsettias for cutting flowers from at Christmas if these are in demand.

Repot *Cattleya gigas* before the roots at the base of the new pseudobulbs have made much progress, preferably before they start at all.

Geranium cuttings from indoor plants root better indoors; those from outdoor stock root better in the open.

Cucumbers that have been fruiting all season will probably be about ready to come out and make room for new stock previously prepared.

Tomatoes fruiting heavily will have to be heavily fed with liquid manure or topdressed with very rich soil and watered freely.

String the young smilax beds when the plants have thickened out sufficiently at the bottom to throw up good strong shoots in plenty.

OUTDOORS.

The earlier the soil pile is started the better, as there will be plenty of work for the teams later.

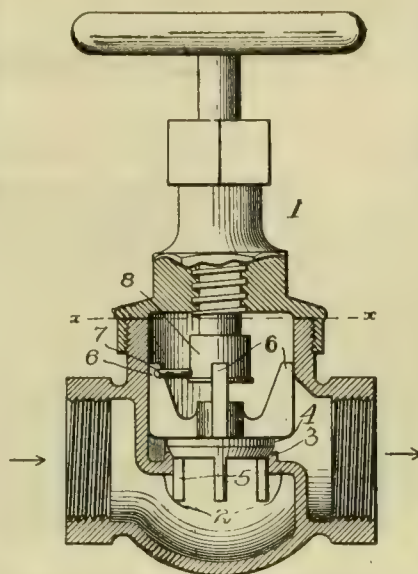
Look over the shrubberies and remove any stock shoots that may be starting from grafted shrubs or trees; also any strong shoots of elder or other weedy shrubs that may be crowding better things.

Any new sod laid where grading has been in progress should be freely supplied with water daily until again established.

Heavy thunderstorms may be expected at any time. See that all drainage pits near gravel walks are kept clear.

Clear off useless cabbage patches and plow the leaves under. If left standing they form good breeding quarters for the white butterfly grubs which are always sufficiently plentiful.

Feed the roses where necessary and endeavor to get the growth of the ramblers well ripened by thinning out old and superfluous wood and taking just the tips off the new shoots.



Save Money by Using DAVIS' COMBINATION Check and Globe Valve

Better than any other check valve for any purposes but especially adapted for use on pipes leading to steam boilers and from heating pipes to return pipe. This combination valve takes the place of two valves, a check valve and a globe valve, and gives much better satisfaction; making simple and short connections, saving valves, nipples, labor and money. Send for descriptive price list.

W. B. DAVIS, Aurora, Ill.

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

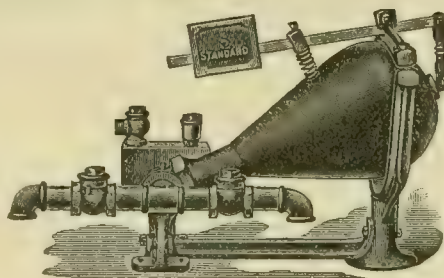
All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**

and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.



The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Eagle Machine Works Richmond, Ind.



Manufacturers of Ring Stakes
for small plants.

Richmond Carnation Supports.

Rose and Mum Stakes.

See that staking and tying of dahlias and other plants that may be injured by high winds are kept up to date.

Rare flowering shrubs may be freely propagated now by means of cuttings of the half ripened shoots.

Thinning the shoots on tomatoes should be done gradually. Never let in the full rays of the sun all at once or the fruit will be scorched.

Where young seedling trees are growing in nursery rows see that the weeds are kept down or many will be seriously crippled if not killed.

PORTSMOUTH, O.—Thieves broke into the premises of the Herms Floral Co., on the corner of Chillicothe and Sixth streets, August 5, and got away with the entire day's takings, some \$55, from the cash register.

SIEBERT'S ZINC

Never Rust

GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{4}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.
Mention the American Florist when writing

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. **BROOKLYN, N. Y.**
Mention the American Florist when writing

Plant Bed Cloth

For Florists Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

Mention the American Florist when writing

Excellent Goods for Service



This is our Trademark and is Registered in the U. S. Patent Office.

Twemlow's Old English Liquid Glazing Putty. Hammond's Slug Shot, sold by Seedsmen, kills Aster bugs, Sow Bugs, Cabbage Moths.

HAMMOND'S PAINT & SLUG SHOT WORKS,

Fishkill-on-Hudson, N. Y.

Important To Florists and Greenhousemen

We manufacture **BESTOL PAINT** with Bestol a product of recent invention, We can prove to your entire satisfaction that it is by far the best and most economic paint in the world for all purposes.

Our Special Greenhouse White, \$1.25 per Gallon.

BEST OIL CO., Hudson Terminal Bldg., 30 Church St., NEW YORK CITY

A. J. GUTTMAN. President and General Manager.

Floriculture in Spain.

Consul Robert Frazer, Jr., furnishes the following information concerning the cultivation of flowers in Valencia: "The city of Valencia is proverbially noted for the abundance and variety of its floral products. There are about 80 cultivators of flowers for sale, with gardens of one-fourth of an acre to two acres in extent. The great ease with which flowers are raised appears to militate against careful cultivation and scientific selection, which produce such marvelous results in countries less favored by climatic conditions. Nearly all the surplus flowers grown here are consumed in Madrid, although Barcelona and a few important cities of the interior also furnish large orders for the celebration of religious, civic, and artistic festivities, so that the demand is quite equal to the supply. Very little capital is employed in

the trade, and probably the greatest drawback to the development of the industry is the slowness of transportation facilities by sea and land, and the total lack of cool transport cars so essential in hot countries, for the delivery of cut flowers in a fresh crisp condition over long distances.

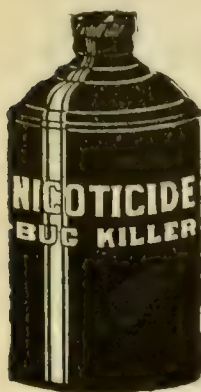
"Although there are no florists here accustomed to international correspondence, the addresses of two leading cultivators are herewith transmitted. [On file in the bureau of manufactures.] The flowers most cultivated here are roses, pinks, tuberose, wall-flowers, violets, chrysanthemums, hyacinths, jasmynes, and dahlias. Many of these are in season the whole year round in limited quantities, but the natural season for roses is from September to April, and for pinks from March to May. Roses are always obtainable, but those raised under the subtropical sun of the summer months,

**Gorham & Chapline
Printery Inc. CATALOGUES
PRICE LISTS.**

**HALFTONES, ENGRAVINGS and
PRINTING FOR FLORISTS.**
358 Dearborn Street, CHICAGO.

The Regan Printing House
LARGE RUNS OF
CATALOGUES
—OUR SPECIALTY—
WRITE FOR FIGURES.
91 Plymouth Place, CHICAGO

from May to September, are reputed of little value, as they are deficient in perfume and exceedingly short lived."



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to
**P. R. PALETHORPE
COMPANY,**
Owensboro, Ky.



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

San Francisco.

Considering the fact that we are now launching into another summer month, the retail business has been fairly good. However, there is still an abundance of outside or garden flowers to be had, and consequently the cut flower trade has diminished to a considerable extent, but, on the other hand, there has been a good demand for funeral work recently which has placed the week-end business in a position to reach a very high mark as far as sales are concerned. As is generally the case when business is brisk, stock is scarce, and that condition of affairs prevailed in the market last week. There were very few good carnations or roses brought in by the growers, and those that were sent in commanded a good price. Lillies are bringing from \$2.50 to \$3 per dozen wholesale. Sweet peas, although poor in quality, are being sold at 60 cents per dozen, and asters from 7½ to 10 cents per dozen.

The retailers and growers of this city gave a picnic July 24, at Camp Taylor, under the auspices of the Pacific Coast Horticultural Society. An energetic committee, under the leadership of V. Matraia, president, and Frank Pelicano, chairman, made this outing one of the most enjoyable affairs ever given by the society. It had more the appearance of a large family gathering than a picnic, for every one who attended was made to feel that he or she was not a stranger in a strange land, but a most welcome guest. After a nice lunch was served by the committee, dancing and other outdoor sports were enjoyed for the balance of the day. Another reason for making this day eventful to those engaged in the flower business was the fact that the retail stores in the city were closed, with a few exceptions, all day in order that the proprietors and clerks might share the many advantages derived from such an outing. The retail stores have previously kept open the full seven days of the week, but a movement is now being made by the larger stores to close their establishments every Sunday at noon.

Arthur Zirkman, representing M. Rice & Co., Philadelphia, left for the

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR

Vines,
Tomatoes,
Cucumbers,
all Flowering,
Foliage and
Fruit bearing
Plants,
Vegetables,
Lawns, etc.



The result of
many years
practical
experience.

PERFECT
PLANT FOODS

Sold by
Leading
American
Seedsmen.

Thomson's Special Chrysanthemum and Topdressing Manure

Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
Thrips Mealy Bug, Red Spider,
Scale, Wire Worms, Ants
and Slugs.

This is the grower's friend. Handy to
use, cheap and effective, mixes readily in
water. Destroys all insect pests and
keeps down filth. Circulars on applica-
tion. \$1.50 per gallon. Also in
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Mention the American Florist when writing

*Green Flies and
Black ones too*

are easy to kill with
The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available,
12-lb. cans \$2.00 each.
Other sizes pro rata.

For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

Mention the American Florist when writing

south a few days ago after enjoying
a good business in this city.

Chas. Matraia, of Podesta & Bal-
docchi, has just returned from a two
weeks' vacation at Bartlett Springs.

ARTUS.

OTTAWA, ILL.—Mrs. F. J. King is of-
fering her greenhouses for sale.

MARION, IND.—Misses Addie Dare and
Mary Pearson are going to increase the
size of their greenhouses. These ladies
have been quite successful in their new
venture.

Aphine's

Increasing Popularity

As a General Insecticide for
Destroying Greenhouse
and Outdoor Pests

Is due to the hearty endorsements of
the many expert floriculturists who
have thoroughly tested APHINE and
have not found it wanting.

Its success is the talk of the trade.

**It does all that is claimed
for it, and more.**

Ask your supply house for APHINE,
or write us for name of our nearest
selling agency.

Aphine Manufacturing Co.
MADISON, N. J.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the
greenhouse. Florists all over the
country are using it instead of
rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on
the market. Pure manure and noth-
ing else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand

Pulverized Sheep Manure



The Ideal
Plant Food
for Florists.

Write to-
day for
Prices and
Booklet.

NATURAL GUANO COMPANY,

Aurora, Ill.

LITTLE ROCK, ARK.—Ada Mae Bertsch,
of the Vestal Floral Co., was married,
August 2, to Edward G. Landin, St.
Paul, Minn. They were married at Ty-
ler, Tex., the bride being on a vacation
with relatives in that state at the
time.

YOUNGSTOWN, O.—The Idora Floral &
Landscape Co. have started in business
as landscape architects and gardeners.
Idora Place, as the nursery is called, is
a beautiful spot with every necessity
in the way of elegant soil and water,
choice of aspects, sun and shade. In
addition the firm has employed effi-
cient help and it starts out with every
prospect of a successful career.



Buer
FLORIST.
East Fourth St.,
CINCINNATI.

**WE MAKE A SPECIALTY OF
TAGS FOR FLOWERS**

Strong, clear white, waterproof stock. With artistic designs
fine color printing, perfect embossing

SEND FOR SAMPLES

Dennison Manufacturing Co.
THE TAG MAKERS
BOSTON, NEW YORK, PHILADELPHIA, CHICAGO, ST. LOUIS

China Asters.

The China aster, which has come into prominence in comparatively recent years, is closely related to the chrysanthemum, and, as its name implies, is a native of China. It was originally single flowered and of limited range of color—blue, violet, and white—but under cultivation it has been made to assume a great variety of forms and colors, rivaling the chrysanthemum in these respects, although the aster has not been developed to the size of the larger varieties of chrysanthemums and has not yet been made to show the brilliant shades of yellow which are so prominent in certain of the varieties of the latter flower. In a bulletin of the Cornell Experiment Station, L. H. Bailey states:

"The China asters are amongst the best of all the annual garden flowers. They are of the easiest culture, most free of bloom, and comprise a multitude of forms and colors. They are therefore admirably adapted to profuse and generous effects in schemes of planting. They are also worthy of wide attention because they are adapted to many of the purposes for which chrysanthemums are grown, and they can be raised to perfection wholly without the use of glass. They attain their best in the decline of the season, from late August till frost, at a time when many of the annuals and the greater part of the perennials are spent and gone. No garden flowers carry such a profusion of bloom and color down to the very closing in of winter. The aster border still had blooms when the snows fell in November, and when even the wild golden-rods had waned and died."

The China aster is an annual and especially effective in borders. It grows well in almost any soil, but prefers a rich, moderately moist, but well-drained loam. It responds generously to liberal fertilizing. Recently there

has been a quite general and widespread failure in successfully growing the China aster, owing to various diseases and insect pests. R. E. Smith, of the Massachusetts station, has been studying this subject and finds among the more important troubles of asters a stem-rot disease or wilt, which is characterized by a wilting and final dying of affected plants, accompanied by a discoloration and rotting of the stem just at the surface of the ground; a yellow disease, which appears as a spindling yellow growth of the branches and leaves and a peculiar abnormal development of the flowers; and root lice, which cause the plant to stop growth and finally wilt and die. In such cases the roots are found to be covered with masses of small bluish-colored plant lice.

"The stem rot or wilt, although first showing itself at any time during the plant's growth, appears to be contracted only in the seed bed or pricking-out flats. Both this disease and the root lice may be avoided by proper methods of cultivation. For the yellow disease no treatment is known. None of these troubles can be remedied after they have once appeared."

Based on the results of his work, Mr. Smith gives directions for growing asters, applicable more especially to regions north of southern Pennsylvania, as follows: "Start your own plants. Seed planted as late as June 1 will give an abundance of bloom before frost. Procure seed directly from a reliable seedsmen. It costs no more and is much more liable to be fresh and true to name. Sow the seed in the open ground at any time after the ground gets into good condition, in good soil where asters have never grown before. Fall sowing outdoors may also be practiced. For very early flowering sow in cold frames or in the greenhouse, but this, especially the latter, is much more liable to produce stem rot. Avoid at all times the use of soil where asters have grown before, especially

where the stem rot or root lice have occurred. Prepare the permanent bed by working in a liberal dressing of barnyard manure during the previous fall and a light application of any good commercial fertilizer in the spring. If this is not practicable, remember that as a general principle the richer the soil the better will be your asters. Plant if possible in moderately moist soil. This will give better growth and less trouble from grubworms."

As to varieties of asters to grow, Mr. Smith says: "Asters may be classed into early, mid-season, and late, coming into bloom ordinarily about July 20, August 15, and September 1, but varying, of course, with the time of planting. The Queen of the Market, in various colors, is the standard early variety, together with the similar Queen of Spring, Queen of the Earlies, etc. The recently introduced Tom Thumb Comet or Poodle is also worthy. Of the mid-season the Victoria, Peony Flowered Perfection, and Giant Comet are best known, but by no means include all the best kinds. The new California Branching Comet is especially striking, and many others might be mentioned. Of the late varieties Semple's Branching stands pre-eminent as one of the finest of asters, especially for commercial purposes. The pink Mary J. Semple is considered by many the finest of all asters. It is with difficulty that such a list as this is brought to an end, on account of the many beautiful kinds left unmentioned. The dwarf varieties are numerous and odd, but of no great value for cutting."

NATCHEZ, MISS.—R. C. Taylor of the National cemetery is just getting around again after a long and painful illness caused by pricking his finger with a rose thorn and leaving it uncovered. Mr. Taylor writes that the finger is still stiff and he fears he will have to have it removed.

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PHILADELPHIA, PENNA.

Gladiolus Brenchleyensis.

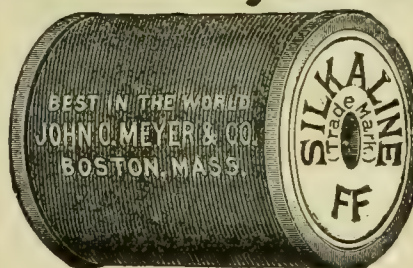
Regarding the introduction to commerce of this popular gladiolus, George Bunyard, of the Royal Nurseries, Maidstone, writes to say that he noted a statement in a contemporary recently to the effect that enquiries have been made respecting the origin of Gladiolus Brenchleyensis at the village of Brenchley in Kent, but no particulars could be gleaned. Mr. Bunyard therefore wrote as follows: "In reference to your note as to origin of this gladiolus, allow me to say that over 50 years back, my father purchased bulbs from the raiser, a Mr. Hooker, of Brenchley, Kent, who raised it from Gandavensis. I can well recollect selling them at 2s. 6d. each. We raised a big stock the same year. Mr. Youell, of Yarmouth, called on his round, and we sold him a quantity, which, in his sandy soil, soon enabled him to flood the country with it." Mr. Bunyard now informs us that he believes that Mr. Hooker was once a nurseryman. Mr. Bunyard knows nothing about Mr. Youell's foreman, as mentioned in our note upon the newly-established American Gladiolus Society, but he well recalls Mr. Youell himself, a cheery, short and thickset man. Gladiolus Brenchleyensis, writes Mr. Bunyard, is still one of the most reliable sorts for massing, being less liable to disease.—Gardeners' Chronicle.

The Lath House.

Presuming that sundry lath houses are in the making, it is deemed seasonable to commence advice as to what to do therein. July should be hot, if precedent counts for anything in weather prophecy, and ferns and other things in the lath house should be in full growth; frequent and regular waterings are therefore in order, particularly with pot plants and hanging baskets. Never let ferns, especially, suffer for water. If a hanging basket gets dry, soak it for half an hour in a tub of water, for spraying with the hose will never wet it up. Go over ferns carefully and remove old or inferior fronds, but never take off all the fronds at the same time, as this is a shock to the plant that only the maidenheads seem to be able to stand. With the maidenheads a close hair-cut once in a while seems to have a tonic effect.

Use a little liquid fertilizer once a week. It is too far along in the season

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for repotting, but begonia cuttings strike well now. One of the latest wrinkles for growing maidenhair is a good one. Take an olla and set it in a hanging basket, large enough to leave a 2-inch margin all around, fill between with leaf mould and sphagnum moss, and plant the ferns in tiers all around. If the basket won't reach to the neck of the olla, use wire to supply the deficiency. Hang up and keep the olla full of water. The seepage through the sides and bottom will preserve a moist condition with perfect drainage, that the ferns love. The suggestion to use a hanging basket is made, because to cover the olla satisfactorily with loose wire or wire netting, is no easy job for an amateur.

If any of the pot plants seem puny and yellow, see if the drainage has not been clogged, and if it has, repot. In such a case it is well to carefully wash all soil from the roots, as there is sure to be a sourness there. This lack of proper drainage is a fruitful source of trouble with potted plants. If you have troubles in your lath house, write to California Garden and get its help.—California Garden.

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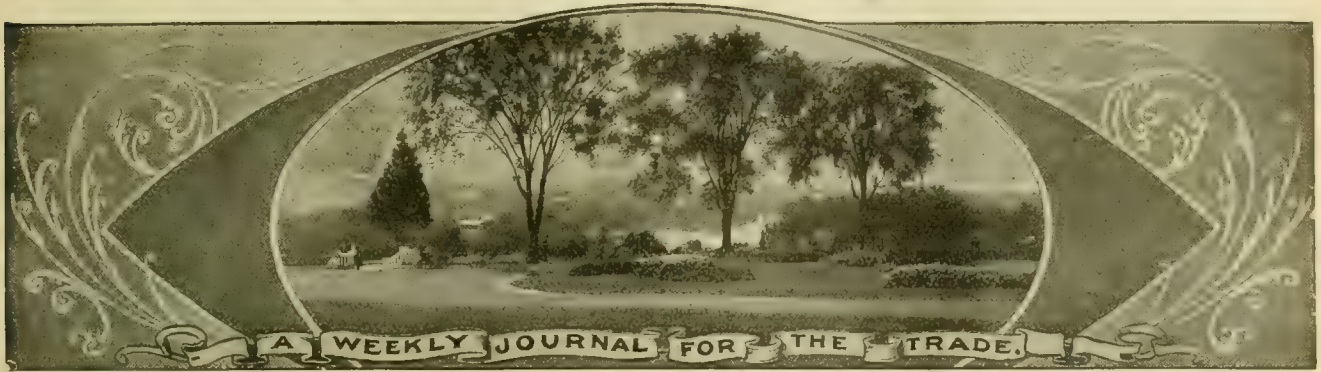
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Vol. XXXV.

CHICAGO AND NEW YORK, AUGUST 27, 1910.

No. 1160

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TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.;
RICHARD VINCENT, JR., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J. November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Koslyn, Pa.,
Vice President, BENJAMIN HAMMOND, Fishkill,
on Hudson, N. Y., Secretary.

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THE ROCHESTER CONVENTION

Continued From Issue of August 20.

Thursday's Proceedings.

Owing to the number of subsidiary meetings being held on Thursday morning before the regular convention session, it was about noon before the latter got under way, but under the energetic handling of President Pierson business was rapidly transacted. The first matter taken up was a report from Past President Valentine giving the results of the meeting held by the retailers in perfecting their organization. They had not been able to conclude their work, and notice was given of another meeting at two o'clock at the Seneca hotel. Mr. Valentine reported everything moving favorably, however.

The next matter to come before the general convention was an invitation from James Vick's Sons to visit their seed farm and trial grounds, and details of the trip there were announced for Friday morning early by special train, returning in time to allow all to participate in the other pleasures planned for the day. The invitation was accepted with thanks.

National Flower Show.

By request Past President Stewart read the action taken by the executive committee placing at the disposal of President Pierson for the benefit of the next National Flower Show an unexpended balance of \$400. By unanimous consent the action of the executive committee was ratified and confirmed.

J. K. M. L. Farquhar submitted a report of progress by the committee on the next National Flower Show, and incidentally referred to the sacrifice that the Massachusetts Horticultural Society is willingly making in not holding during the same year its own usual spring exhibition from which it usually realizes a handsome net return. The report was received and filed, and Mr. Farquhar and his committee were thanked by President Pierson for their able work thus far. The action of the executive committee recommending

that a special meeting of the society be held during the time of the National Flower Show was read by the president, and on motion of Mr. Valentine said action was confirmed. The following resolutions were moved by Mr. Valentine and unanimously adopted.

Resolved, That when this meeting adjourns it shall adjourn to reconvene in the city of Boston on the twenty-sixth day of March, 1911.

The officers nominated yesterday were by unanimous vote respectively and duly elected to serve for the ensuing year, and each and all of them made appropriate responses when called on, voicing their appreciation of the honor conferred.

Amendments to Constitution.

The matter of amendments to the constitution was taken up, and the proposed amendments to Article II, as set forth on the programme, due notice of which had previously been given, were opposed by Messrs. O'Mara, Hill, Ball and Stewart, and upon motion of the latter were indefinitely postponed. Previous to this disposition of them their adoption was warmly urged by Past Presidents W. R. Smith and J. A. Valentine, but the tide in opposition was too strong to be overcome even by such persuasive speakers. The proposed amendment to Article III took the same course.

The proposed amendment to Article V as to time of meeting was discussed by Messrs. Valentine, Dean, O'Mara, Kasting and others, and on motion of Mr. Kasting, seconded by Mr. O'Mara, this proposed amendment was laid on the table for one year, in order that some experience might be had as to the probable number who would come to a March meeting. Secretary Dorner stated that out of some 615 replies received to postals sent out on this subject, 369 voted in favor of summer meetings, 238 opposed, and eight were indifferent.

Mr. Kasting stated that although he favored spring meetings he would wil-

lingly abide by the majority opinion.

Action as to proposed amendment to Article IV was on motion indefinitely postponed.

The following resolutions offered by Prof. F. W. Dick, of Cornell University, were unanimously adopted:

Whereas, It is the purpose and policy of the Society of American Florists and Ornamental Horticulturists to encourage experimental investigation in horticulture at the state experiment stations, where this subject has been much neglected as compared with other branches of horticulture; and

Whereas, The florists of the state of New York will this winter make an effort to secure an appropriation of \$50,000 from the state for a range of greenhouses for experiments in horti-

be read by the secretary, but the point of order being raised by Mr. Valentine that the action sought to be taken was outside of the province of the society, the chair ruled against the point taken, and upon an appeal being suggested, on motion of Mr. Cowell, the communication was laid on the table.

The following were appointed as committee on resolutions: W. F. Sheridan, J. K. M. L. Farquhar and P. Welch, to report at the evening session Thursday.

In making a response at this time to calls for a speech, President-elect George Asmus said that he had cheerfully accepted the honor and the duties of the position of president in the

served to get it. He felt that Mr. Asmus would meet every expectation and do honor to the society. He assured his hearers that Maryland would give them all a warm welcome at Baltimore and they would enjoy the time of their lives.

Past President Stewart followed with an enthusiastic and cordial invitation to all to come to the National Flower Show at Boston, for Boston has waked up as may be seen by its three solid carloads that came to the present convention.

Treasurer-Elect Kasting expressed his pleasure at being regularly elected; his previous part term having been a hold-over, he had not felt that he was meeting the approval possibly of all the members until he had the evidence of it to his great gratification in his present election.

Secretary Dörner said little but what he said meant much for his devotion to the interests of the society during his new term of office.

School Garden Movement.

At the closing session of the convention on Thursday night, President Pierson in the chair, the first paper read was by W. B. Du Rie, Rahway, N. J., on "The School Garden Movement." The chair announced that owing to the continued illness of John Dunbar, assistant superintendent of parks of Rochester, it was still impossible for him to deliver the illustrated lecture that he had contemplated giving on "Trees, Shrubs and Flowering Plants," but that Mr. Dunbar hoped that he would be sufficiently recovered on Friday morning to receive any members who desired to visit Highland park, and that he extended a cordial invitation to all the friends to come down and meet him at the park pavilion Friday morning between half past eight and nine o'clock, and he would be glad to show them around the park, which is one of the most beautiful in any city.

In reference to the paper by Mr. Du Rie, Mr. Dean declared that in passing through the state of New York he was pleased to note that a number of schools were interested in the school garden work and he had hardly seen a window in a school building that was not decorated either with individual plants, or groups of plants, or flower beds in boxes, and very often he could see places where perhaps a flag-stone had been taken up, fresh soil put in and plants set out, showing that the movement was proceeding in the right direction.

President Pierson followed with a characteristic speech delivered in his forcible and pleasing manner. He urged that the study of nature as it can be carried on through the school garden is a practical form of education which is another encouraging evidence that modern education is leaving the old beaten track and getting away from the former idea that education should be entirely classical and literary and that the only avenue for man's intellectual activity lay in one of the three professions, the ministry, medicine, or law. It is now recognized that education should rather seek to broaden and beautify the lives of all by furnishing to every youth a practical knowledge of some calling which would fit him not only to earn his livelihood



PRESIDENT PIERSON

And the New Gavel Presented to Him by Patrick O'Mara, on Behalf of the New York Florists' Club, at the Rochester Convention.

culture at Cornell University; therefore be it

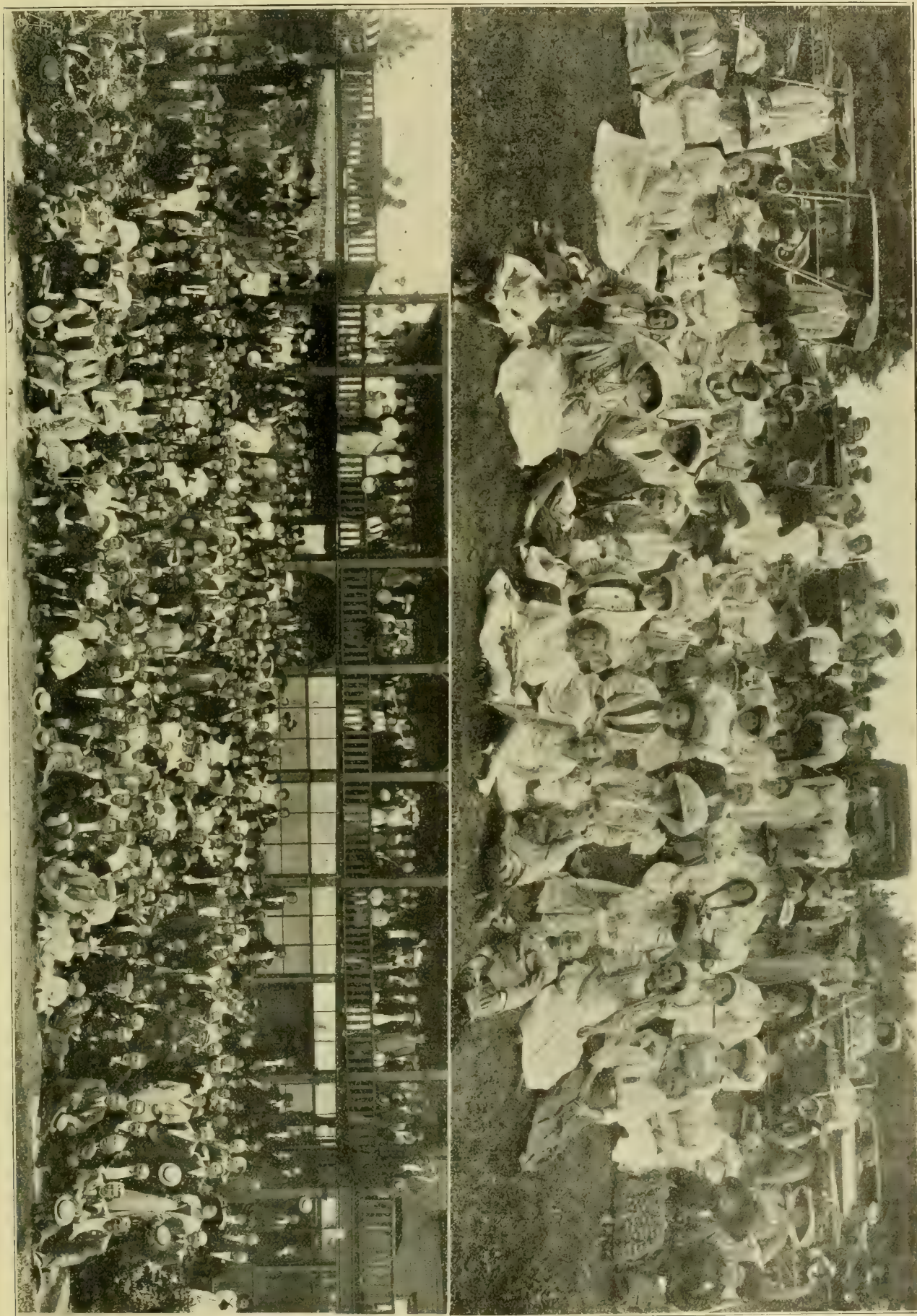
Resolved, That the society strongly endorses this effort, and urges its favorable consideration at the hands of the legislature, and pledges itself to use its influence in every possible way to further the movement.

Mr. Dean hoped that copies of the resolutions would be sent to each of the New York state senators and representatives in the legislature, which was agreed to.

A communication asking the adoption of resolutions endorsing the movement to memorialize congress to fix the location of a World's Panama exposition at New Orleans in 1915, was about to

firm confidence that he would receive the loyal support of the many sound advisers to whom he would look for counsel and assistance. He declared that every man that loves flowers may be expected to be a good man, and his association with the members of the S. A. F. had proved such to be the case in the past and he believed would continue in the future. In concluding he made a strong plea for a full attendance at the Baltimore convention in 1911.

Mr. Vincent told how the Baltimore brethren had worked early and late to secure the convention, and what they would do to prove that they had de-



THE LADIES' AUTOMOBILE PARTY AT THE ROCHESTER CONVENTION.
THE SOCIETY OF AMERICAN FLORISTS' AT THE MANITOU OUTING, ROCHESTER, N. Y., AUGUST 19, 1910.

but to get the best out of life by supplying new avenues of enjoyment and of realization of the highest conceptions of life. This is the more necessary because 95 per cent of all the children attending the public schools never pass through the high schools or go to college. In developing the youth of the country the school furnishes the most solid corner-stone for a free government, and in this form of practical education the school garden and all that it implies will perform no humble part. President Pierson appealed to the American florists to come up to their full responsibility and to leave no stone unturned to foster this movement in their communities, and if necessary to even donate flowers in order to awaken a love for them in this way in the young. A hearty vote of thanks was at the suggestion of President Pierson tendered to Mr. Du Rie for his valuable and interesting paper.

Benjamin Hammond, of Fishkill-on-Hudson, N. Y., chairman of the committee on school gardens, presented his report showing the substantial work being done in this direction. Following the report Mr. Barry made a ringing speech in support of this movement. He referred in a feeling manner to the many parts of the country in which the school-houses and school-yards are too often sadly neglected and no effort made to render them pleasing and attractive. He felt that much of the responsibility for this might be fairly laid at the door of the florists and nurserymen of the country, who of all men were best fitted by the nature of their occupation to realize the uplifting effect of flowers in bloom upon the susceptible heart of the child and the good results that would follow early imparting to the young a knowledge and love of trees, flowers and shrubs.

There is something more in life than merely the three R's, but in order to give to the adult the power to appreciate the beauties of nature a love of these things must be implanted in early life, and it is in the school-room and school-yard that this taste will be acquired, fostered and cultivated; and unfortunately our present arrangements do not in many communities afford opportunities for that thing at all. He hoped the florists of the country would push the work still more vigorously and the result would be of great benefit to the whole nation. Those desiring to contribute to the movement might plant trees and shrubs and make every school garden a thing of beauty and attractiveness which would have a reflex influence upon the whole community. J. Otto Thilow desired to add his contribution to the enthusiastic plea of Mr. Barry, and he thought that those of the teachers who have showed an interest in this movement should have the warm commendation and endorsement of the Society of American Florists. Mr. Thilow was followed by other members in the same strain.

President Pierson appointed J. C. Vaughan, Chicago, Theo. Wirth, Minneapolis, H. C. Irish, St. Louis, P. Holm, St. Paul, and H. E. Philpott, Winnipeg, delegates to the Conservation Congress at St. Paul, September 5-9. A letter from Robert Kift, Philadelphia, was read, calling attention to

the work of Miss Anna Jarvis in the founding of Mother's day, and on the motion of Wm. R. Smith, Washington, resolutions endorsing Miss Jarvis' work in this connection were adopted unanimously.

Experiment Station Work.

Owing to unavoidable circumstances, W. N. Rudd, former secretary of the organization, was unable to be present, and his paper on "Value of Experiment Stations to Ornamental Horticulture," was read by Secretary Dorner. It was pronounced by Mr. Dean one of the best papers that had ever come before the society. Secretary Dorner stated that he made it his business to ascertain what the Illinois experiment stations were doing. He found that except in a few in-



Patrick O. Mara

Nominating George Asmus for the Presidency.

stances they were doing absolutely nothing in this direction, but they would be only too glad to attempt more if they were given the proper help by the legislature, which could be brought about through the efforts of the florists, who should be vitally interested in this work. The experiment stations demand the co-operation of the florists. Through the efforts of the Illinois State Florists' Association they had induced the state of Illinois to erect four good greenhouses of a superior quality of construction, and with their aid through the erection of those greenhouses at least one experiment station proposes to prove to the florists of that state what it can do.

Presentation to President Pierson.

E. G. Hill desiring to bring up a matter of interest to all, obtained the privilege of the floor, and at once elicited the attention of the audience by saying that he had been handed

by a lady this conundrum: "Were cacti grown in the Garden of Eden?" A technical discussion was about to be precipitated on this head, which was dexterously sidetracked by Mr. Hill, who continued as follows:

We will not attempt to answer the above question just at this particular time. Some one has said that truth is progressive, but that all things have their season, and the things that were at one time proper might be later on called in question. So we find that the age develops a thing that other age takes up, and again that a succeeding age may entirely abandon or drop things that were practiced in former times. This pertains very aptly to floriculture as well as to men. The lady also said on this card, "The best goods are put up in small packages, and it is true that the things that are of real interest and value are still smaller than small packages." I have about concluded that the lady was right; but I said to her, "What are you driving at? I would like a practical illustration." "Well," she said, "your president is a practical illustration of the intrinsic value of a real good thing done up in a small package." (Laughter and applause.) I said to her, "What about Foley, he is majestic looking, and Traendly, he is a rotund fellow, you know? What about them? That congressman from Buffalo, W. F. Kasting." I said, "what about him?" "Oh," she says, "they are only good for ballast!"

Now I did not dare to ask her where Bob Craig and myself came in for fear she would say, "Well, you were something some time ago, but you are has-bens." I know that is what she thought, but she was too modest to tell me.

Now the other day in England that brilliant Welshman, Lloyd George, was making a speech in a conservative district, and the conservative people had placarded the town with a dwarf about four feet high. So when he got into the meeting place they began to hoot and yell, "Pigmy!" and one thing and another. But he said, "Give me your attention just one minute." They quieted down and he said, "Now I will tell you, your conservative party measures the man from his feet up to his chin and stops there; but the party to which I belong measures him from the chin up to the top of the head." And that is just what the florists of this association did this past year, and I tell you we were right in our measurement, for I think our president has accomplished wonderful things. I tell you he has set us a shining example of how to do things. He has got there with the goods. Look at the work he has done in regard to the plans for our rational show; look at the splendid outcome of this meeting here, and the example he has given of his vitality, his energy and his stick-to-itiveness of purpose. I think we are all of us the better for this stimulating example. I will tell you that some of the presidents that are coming along to follow in his foot-steps will have to get into a pretty good gait to keep up with him.

There is a little boy out in Indiana where I come from—we produce nice boys out there, and girls too—and this little fellow got very ambitious to go into business. He wanted to make



TRADE EXHIBITION AT THE ROCHESTER CONVENTION.

Giving Partial Views of the Exhibits of Kroeschell Bros. Co., Chas. Eble, Stumpp & Walter Co., Geo. B. Hart, Pennock-Meehan Co., Henry A. Dreer, Conard & Jones Co., Geo. M. Garland, Geo. Giatras, F. R. Pierson Co., E. R. Fry, Robert Craig Co., H. Bayersdorfer & Co., Reed & Keller, Schloss Bros., Brown Bros. Co., John Lewis Childs, Vaughan's Seed Store, Vick & Hill Co., James Vick's Sons, Crowl Fern Co., Arthur Cowee, Shaw Fern Co., Ellwanger & Barry and Kessler Bros.

some money. He had saved up quite a number of dimes and quarters and half dollars, and somebody told him that the chicken business was a good thing for him to embark in. So he went at it. He did not give the subject quite enough thought, and he bought a whole lot of bantams. Finally he had a couple dozen of them. He went in there every morning to gather the hen fruit, and the little fellow was disgusted with the size of the product, the smallness of the eggs. He scratched his head and thought that would not do; so he went into the house and got out an ostrich egg that had been a parlor ornament for a number of years and hung it up in front of where these banties were performing service, and he hung this sign beneath it: "Look at this, and then do your best!"

This sign, "Follow the example of Frank Pierson," is written all over this hall and on the pages of our horticultural papers, and I tell you to beat it some of the fellows will have to exert themselves. I know that our friend out in Chicago will read the sign, and will get there too. Now this body of people—you are good looking, every one of you, especially the ladies, you are kindhearted and thoughtful—so this body of people, Mr. President, have thought they would like to give you a little momento as an expression of their great appreciation of your services and the things that you have done. We hope you will divide or share this with Mrs. Pierson, and some of us will be around Tarrytown to help use some of these knives and forks. Please accept them on behalf of your friends, the members of the Society of American Florists and Ornamental Horticulturists. (Applause, three cheers and handkerchief salute for "Pierson.")

RESPONSE BY PRESIDENT PIERSON.

Ladies and Gentlemen, Friends All: I did not think that I occupied so large a place in your hearts. As years go by I value the friendships that have been made in this association. I think as we become older we are apt to do that. The friendships that I have formed in the Society of American Florists have become very dear to me. As an illustration I want to call the attention of this association to my friend over here, W. R. Smith. I want to tell you he is one of the men I love and rely upon, one who has the interest of this association very close to his heart. If I wanted any further testimonial of your friendship, or any further inducement tonight to do anything more for you in the future than I have in the past, certainly this would do it.

I was very much embarrassed, however, by the fulsome words of praise from Mr. Hill. I am a modest man and would rather do the work than to receive the praise or a presentation; but I certainly tonight, ladies and gentlemen, wish to tell you that I value exceedingly this expression of your good will, although even it cannot add anything to the desire I have to advance the interests of this association, or bring it closer to my heart. I shall try to promote its interests as long as I live, to the utmost of my power. I do not think I can fittingly voice to you tonight all that I feel at this time. Words fail me to make to you

an adequate expression of my feelings. I hope you will take the wish for the deed. (Applause.)

In the absence of John P. Cowell, the official botanist of the society, his report was considered read and ordered printed in the proceedings. Walter F. Sheridan, chairman of committee on resolutions, presented the following as its official report, which was unanimously adopted by rising vote, viz.:

Resolutions of Thanks.

We, the members of the Society of American Florists and Ornamental Horticulturists assembled here in Rochester, appreciating the splendid wel-



P. J. Foley

Singing "My Maryland" at the Rochester Bowling Tournament.

come we received, and recognizing the pains taken to make our sojourn here a comfortable and enjoyable one, take this opportunity to return thanks for the splendid facilities afforded us for our convention; therefore be it

Resolved: That the thanks of this society be tendered to the Rochester Florists' Club for the great work which it has done in connection with this convention; and be it further

Resolved: That the thanks of this society be tendered to his honor, Mayor Edgerton, the chamber of commerce, Fred W. Vick, vice-president of the society, Charles H. Vick, superintendent of the exhibition, and to the ladies' committee of the Rochester Florists' Club; and be it further

Resolved: That in consequence of the hearty co-operation of the above mentioned and other persons, the society recognizes the present convention as one of the most successful in its history.

WALTER F. SHERIDAN,
JOHN K. M. L. FARQUHAR,
PATRICK WELCH,

(Signed by all of the committee.)

The convention now finally adjourned. A pleasing post-convention event was the presentation at about 10:30 p. m. Thursday to Chas. H. Vick, superintendent of the exhibition, of a magnificent gold watch, the gift of the various exhibitors. The presentation speech was made in a felicitous manner by Harry A. Bunyard, who devised an ingenious opening in the way of a mock complaint, accusing Mr. Vick of sundry derelictions in duty as superintendent, and when he had succeeded in arousing Mr. Vick's just indignation at such treatment, he suddenly steered his discourse in the opposite direction and overwhelmed him with commendations, and finally threw the gold watch at him, so that Mr. Vick passed through all the gamut of the cold, sleet and snow of winter to the blooming flowers of spring, the victor's crown of roses, the esteem of his friends. Mr. Vick's confusion and blushes may be better imagined than described.

Florists' Hail Association.

The annual meeting of the Florists' Hail Association was held in Convention hall, Rochester, N. Y., August 18. Officers were elected as follows:

E. G. Hill, Richmond, Ind., president.
John T. Temple, Davenport, Ia., vice-president.

Joseph Heacock, Wyncote, Pa., treasurer.

John G. Esler, Saddle River, N. J., secretary.

J. C. Vaughan, Chicago, and H. H. Ritter, Dayton, O., were elected directors.

Two assessments will be levied, the first one November 1, 1910, and the second April 1, 1911.

An amendment to come before the association next year will change Section 1, Article 5, to read "10 cents per 100 square feet" instead of eight cents.

Florists' Telegraph Delivery Association.

A meeting of retail florists was held in Convention hall, Rochester, N. Y., Thursday forenoon, August 18, to perfect the organization of a delivery association. After considerable discussion the meeting adjourned to meet at the Seneca hotel at 2 p. m., when the organization was named the Florists' Telegraph Delivery Association and the following officers were elected:

J. A. Valentine, Denver, Colo., president.

W. J. Palmer, Buffalo, N. Y., vice-president.

W. L. Rock, Kansas City, Mo., treasurer.

H. B. Dorner, Urbana, Ill., secretary.

Directors: One year, A. B. Cartledge, Philadelphia, Pa., W. F. Gude, Washington, D. C., and Fred H. Meinhardt, St. Louis, Mo.; two years, Philip Breitmeyer, Detroit, Mich., Ernst Wienhoeber, Chicago, and Geo. Asmus, Chicago; three years, W. L. Rock, Kansas City, Mo., John Bertermann, Indianapolis, Ind., and Irwin Bertermann, Indianapolis, Ind.

At the conclusion of the afternoon session of the retailers, they adjourned sine die, after a unanimous vote of thanks to President Valentine for his arduous work in working out the plan of organization, the articles constituting the by-laws were adopted in toto as presented, and it was understood that Mr. Valentine had thought them out carefully in all details.



Mrs. John V. Phillips, President.



Mrs. Chas. H. Maynard, Secretary.



Mrs. Albert M. Herr, Treasurer.

OFFICERS OF THE LADIES' SOCIETY OF AMERICAN FLORISTS.

Ladies' Society of American Florists.

The following new members have been added to the Ladies' Society of American Florists:

Mrs. Lincoln Brown, Cleveland, O.; Mrs. D. W. Davis, Berwick, O.; Mrs. C. Arnold, Astoria, L. I.; Mrs. G. Gasseau, Jersey City, N. J.; Mrs. H. H. Kuhlmann, Houston, Tex.; Mrs. J. H. Playdon, Andover, Mass.; Mrs. Palmer, Buffalo, N. Y.; Mrs. Walter Sheridan, New York; Mrs. Chas. Totty, Madison, N. J.; Mrs. J. L. Dillon, Bloomsburg, Pa.; Miss C. Elizabeth Freeman, Washington, D. C.; Mrs. Chas. J. Hewson, Buffalo, N. Y.; Mrs. Wm. H. Knebler, Brooklyn, N. Y.; Mrs. E. Kleinstark, Louisville, Ky.; Mrs. Harry Weston, Hempstead, L. I.; Mrs. J. A. Wollmers, Brooklyn, N. Y.; Mrs. J. H. Moss, Govanstown, Md.; Miss Ida May Keefe, Madison, N. J.; Mrs. S. N. Peck, Toledo, O.; Mrs. Schmutz, Flatbush, N. Y.; Miss Bertha Stuessy, Louisville, Ky.; Miss Clara Stuessy, Louisville, Ky.; Mrs. J. Austin Shaw, Brooklyn, N. Y.; Mrs. E. A. Schirapff, Scranton, Pa.; Mrs. Peter Benerlein, Elmhurst, L. I.; Mrs. Ella Grant Wilson, Cleveland, O.; Mrs. Stella M. Wilson, Brooklyn, N. Y.; Mrs. L. H. Brague, Hinsdale, Mass.; Mrs. Tracy, Wenham, Mass.; Mrs. Edward A. Feters, Detroit, Mich.; Mrs. Herman Komitsch, Secaucus, N. J.; Mrs. F. W. Bruenig, St. Louis, Mo.; Mrs. Albert Vick, Rochester, N. Y.

American Gladiolus Society.**FIRST ANNUAL MEETING AT ROCHESTER.**

The first annual meeting of the American Gladiolus Society was held August 15 at Rochester, President Hendrickson in the chair. The meeting was called to order at 10:30 a. m. Secretary Gage read the report and minutes of the organizing meeting at Boston which were accepted and ordered placed on record. The president's address, which follows, was adopted with applause and ordered placed on record.

PRESIDENT HENDRICKSON'S ADDRESS.

As the American Gladiolus Society was organized less than three months ago there is not much to report concerning the past, but the future is full of promise and opportunity if we seize it, for the signs of the times point to the ever increasing popularity of the

gladiolus. The society was organized at Boston, May 27, 1910, with about 75 members. It was agreed to hold the charter member list open until the August meeting, and through the activity of the members, we have been able to increase the number to 137, which we think is a very good showing, considering the fact that there are a multiplicity of kindred societies. The gladiolus is deservedly popular; for where can we find any flower that will yield more real satisfaction from every standpoint, whether handled by amateur or professional gardeners or wanted for garden decoration or church wedding? By the use of greenhouses and cold frames we now have blooms in the market from April until November. What flower will surpass it for keeping quality after being cut? Perhaps the orchid will rival it, but where we could have one vase of orchids, we can have many of gladioli, and as for colors we certainly can find every tint, shade and hue imaginable, both in solid colors, and all colors combined, which indeed gives it a place as the "orchid of the common people."

THE FUTURE OF THE SOCIETY.

While the main object may be to stimulate interest in this glorious flower, it seems to me that one of the most important things we can do is to assist our nomenclature committee in testing out at our trial grounds, so kindly offered by Cornell University, at Ithaca, N. Y., all varieties now on the market with a view to eliminating worthless and inferior sorts, reducing the number of named varieties to a reasonable number, prevent renaming varieties as far as possible and where synonyms are discovered, to observe the original name. As there are some 2,000 or 3,000 varieties now listed, you see the task is no easy one. I think if we can induce all growers to submit their supposedly new varieties to our society for examination or trial, and secure our certificate of merit before offering to the public we shall accomplish much, and reduce the multiplicity of varieties. The trade can assist very materially in this, if they will insist on

the society's approval of a variety before listing it in their catalogues. While it is true that much the largest number of named varieties now on the market are listed in foreign catalogues, which our society, perhaps, cannot control, still, at the rate that the growers of America have produced seedlings during the last few years, it will not be long before we will rival the European growers, so it behooves us to take up the work in time.

OLD STANDBYS.

It goes without saying that there are some very old varieties that are now surpassed in beauty that we will be a long time discarding, if ever, for the reason that they are so well known that the demand is very heavy. Take Ceres for instance, which at the time of its introduction was a real advance in whites; today there are white varieties that are far superior, yet the demand for Ceres, especially in Europe is enormous, and as a cheap variety is really satisfactory. The same is true of Isaac Buchanan, in the yellow section.

Our by-laws provide that we publish every three months a magazine called the "Progress of the Gladiolus." While I do not think we can give too much publicity to our favorite flower, yet I cannot see where we can get material enough for such frequent issues. However, I think it would be an excellent plan to issue a bulletin from time to time as opportunity presents itself, and I would like to recommend that a committee be appointed to take this matter up, and also to act as a general press committee to secure as much publicity for the gladiolus among periodicals as possible. I would also recommend that the society offer a prize of \$10 in gold for the best article for amateurs on "Gladioli," and \$5 for second best, the press committee to have this matter in charge and secure the publication of the article in as many papers as possible. I would also recommend that the society adopt a scale of points in judging new varieties, and to issue certificates of merit for meritorious varieties, and would

suggest that the present exhibition committee be empowered to draw proper rules to govern the awarding of certificates.

I am also convinced, if our society could make some uniform offer to local horticultural societies for best exhibits of gladioli at their shows, much interest could be stimulated, and if our finances would allow, I certainly would recommend the offering of cups, medals or some other valuable trophies, but I presume we will have to limit ourselves to ribbons, etc., if we do anything at all in this line at the present. I also believe it might be feasible for our Society to offer a cup for some special entry at our annual exhibition.

There are many ways that could be planned out for the advancement of our society, and our pet flower, but I believe you will agree with me that all of our plans will come to naught, if we do not put our shoulders to the wheel and do something, for after all, the success or failure of any undertaking depends upon the individual efforts of those interested. In closing, I wish to thank my associates in office for the splendid assistance rendered to me in my attempt to act as your president, and as the by-laws and constitution says I hold office until the 1911 meeting, I must ask your further indulgence, and trust that I may have your undivided support in an effort to at least double our membership within the next year.

I would also recommend that we call a meeting of our society at the time of the National Flower Show to be held in Boston, March, 1911, and that our exhibition committee be empowered to solicit trophies for an exhibition of forced gladioli, including the Colvillei type.

Short talks and discussions were taken part in by John Cavers, Oakville, Ont.; E. E. Stewart, Rives Junction, Mich.; J. C. Vaughan, Chicago; Arthur Cowee, Berlin, N. Y., and others. Ralph E. Cushman offered the following resolution: "That the recommendations of the president, as made in his address, be adopted, and the proper committee be appointed to carry the same into effect: The offering of a prize for article on amateur culture of gladioli, the appointing of a committee to make rules and a schedule of points for registering and certificating of new varieties of gladioli; the securing of a place on the schedule of the National Flower Show of 1911." Voted to adopt this resolution as a whole.

The financial secretary read his report, which was adopted and referred to the auditing committee. The auditing committee's report was read and adopted and ordered to be placed on record. The report of the treasurer, which was received too late to be audited, was referred to the auditing committee. The membership committee reported favorably a large number of applications for membership, and it was voted that these names be placed on the membership list. H. Youell's report as chairman of the exhibition committee was read and adopted. The report of Professor Judson, chairman of the committee on awards, was read and adopted and the committee was given a vote of thanks for its able and efficient work.

Papers by Maurice Fuld, of Boston, Mass., and Wilbur A. Christy, of Kins-

man, O., could not be read on account of the limited time allowed for the use of the assembly hall, but they were given a vote of thanks and referred to the bulletin committee. Mr. Christy gave a short but very interesting talk on "Gladiolus Breeding." H. B. Dörner, secretary of the S. A. F., addressed the meeting urging that the society affiliate with the national society. A suggestion by Mathew Crawford that the society print a pamphlet, setting forth the advantages and purposes of the society to be sent in catalogs and



J. A. Valentine.

Pres. Florists' Telegraph Delivery Association.

letters was referred to the press committee. Vice-president Cushman addressed the meeting very interestingly, advancing valuable suggestions and his manner of handling the subject in question was clear and right to the point. President Hendrickson appointed a press committee with the following members: H. Youell, Prof. L. B. Judson, L. Martin Gage; and re-appointed the present exhibition commit-



W. J. Pa'mer.

Vice-Pres. Florists' Telegraph Delivery Ass'n.

tee to serve at the next exhibition, which will be held in Boston next March at the National Flower Show of the S. A. F. On motion of Professor Judson the meeting adjourned.

American Rose Society.

MEETING AT THE S. A. F. CONVENTION.

On Thursday, August 18, the members of the American Rose Society met in Convention hall, to the number of 34. The meeting was called to order by the secretary, who stated that the annual year began July 1, but that according to custom the organization meeting had been held during the S. A. F. convention and the newly elected officers assuming control. August T. Poehlmann, of Morton Grove, Ill., was present as retiring president and William H. Elliott, of Brighton, Mass., assumed the chair.

The statement was made that the society had invested its permanent fund to the amount of \$3,000 in guaranteed mortgages at a rate of 5 per cent, dating from July 1, that there was a balance in the treasury of something over \$100 and that, up to that date, all bills were paid, with one exception, a matter of some \$9.20. The present executive committee is as follows:

Philip Breitmeyer, Detroit, Mich.; Peter Bisset, Washington, D. C.; William F. Kasting, Ellicott St., Buffalo, N. Y.; Wallace R. Pierson, Cromwell, Conn.; August T. Poehlmann, Morton Grove, Ill.; J. A. Valentine, Denver, Colo. Secretary Benjamin Hammond, Fishkill-on-Hudson, N. Y., and Treasurer Harry O. May, Summit, N. J., hold over and Adolph Farenwald, of Roslyn, Pa., is vice-president.

The chief matter of interest that came up before the meeting was the coming National Flower Show to be held in the city of Boston, the latter part of next March and to continue for one week. Frank R. Pierson, chairman of the National Flower Show, was present and submitted the proposition from his committee, which was for the Rose Society to adopt its schedule of prizes for roses in pots or tubs, to which they had allotted \$730 as premiums and for the Rose Society to, as usual, make up its own schedule for cut flowers and accessories, and that the National Flower Show committee would place at the disposal of the Rose Society \$1,000, as a premium fund, to which amount the Rose Society could add any further sum that it saw fit. The interest taken in the meeting was very considerable and after some discussion the following resolutions were offered and carried unanimously:

Wallace R. Pierson of Cromwell, Conn., moved the following resolution: "That the American Rose Society accept the \$1,730, offered by the National Flower Show committee and that the president of the American Rose Society shall appoint a committee to draft a schedule for the exhibition in connection with the National Flower Show."

This was followed by a motion made by Patrick Welch, of Boston, as follows: "That the American Rose Society guarantee payment of any premiums in excess of this amount which the committee of the American Rose Society shall deem necessary and that any funds which shall be added to this amount shall become an asset of the National Flower Show committee. The

following concerns pledged themselves to furnish exhibits and to do all in their power to make the coming exhibition a great success:

Poehlmann Bros. Co., Chicago.
William H. Elliott, Brighton, Mass.
Adolph Farenwald, Roslyn, Pa.
E. G. Hill, Richmond, Ind.
Lake View Rose Gardens, Jamestown, N. Y.
Erie Floral Co., Erie, Pa.
Joseph Heacock, Wyncote, Pa.
Bassett & Washburn, Chicago.
John H. Dunlop, Parkdale, Ont.
Waban Rose Conservatories, Natick, Mass.
F. R. Pierson Co., Tarrytown, N. Y.
Welch Bros., Boston, Mass.
Thomas Roland, Nahant, Mass.
The Montgomery Co., South Hadley, Mass.
A. N. Pierson, Inc., Cromwell, Conn.

Then Thomas Roland stated that the society would need some money to carry on this work a little extra than common and he offered \$25 for use to advance the general interest in the coming rose show. Then the following gentlemen offered for the use of the Rose Society, as the executive committee may deem fit, as follows:

August T. Poehlmann.....	\$50.00
William H. Elliott.....	50.00
William F. Kasting.....	25.00
William J. Palmer.....	25.00
A. N. Pierson, Inc.....	50.00
Waban Rose Conservatories.....	50.00
P. Welch.....	25.00
E. G. Hill Co.....	25.00

Mr. Farenwald made a very earnest speech in favor of making the premiums of such size as to bring out the largest display of cut flowers. It was then moved to adjourn with the best of good feeling.

BENJAMIN HAMMOND, Secy.

Additional Exhibits.

E. A. Beaven, Evergreen, Ala., moss.
The Chilton Co., Philadelphia, Pa., post cards.
A. Dietsch Co., Chicago, greenhouse construction materials.
Geo. Giatras, West Hoboken, N. J., Nephrolepis Giatrasii.
J. G. Harrison & Sons, Berlin, Md., trees and shrubs.
John C. Hatcher, Amsterdam, N. Y., Asparagus Hatcherii.
Hilfinger Bros. Pottery, Fort Edward, N. Y., pots.
Illinois Heater & Mfg. Co., Chicago, self-watering flower boxes.
J. E. Matthewson, Sheboygan, Wis., carnation support.
Thos. Pegler, Boston, Mass., greenhouse bracket.
Elmer D. Smith & Co., Adrian, Mich., chrysanthemums.
J. J. Williams, Utica, N. Y., florists' supplies.
Andrew Wilson, Chatham, N. J., leaf and flower stemmer.

Rochester Group Photographs.

The Rochester group photographs will be supplied by the Rochester Photo Co., 21 Bly street, Rochester, N. Y. Society of American Florists, at \$1 each and Ladies' Society of American Florists 75 cents each, post free to any address. Both pictures are very handsome.

Postal Progress League Resolutions.

In last week's report of the proceedings at the Rochester convention of the Society of American Florists reference is made to resolutions presented by Patrick O'Mara, see last week's issue, page 178. The resolutions are now presented in full as follows:

Resolved, That the postoffice is our mutual transportation company; that its only limit should be the capacity of our transportation machinery and that its rates should be determined by

the cost of the service rendered; further,

Resolved, That all candidates for public employment as members of the United States senate and house of representatives should be pledged to the widest possible extension of the postoffice, and its most efficient and economical administration; further,

Resolved, That the members of the sixty-first congress responsible for the continued limitation of our economic postal express to 4-pound parcels of unsealed merchandise at 16 cents per pound, while protecting foreigners in posting their merchandise throughout the United States, to-wit, Italians, 11 pounds for 79 cents; Germans, 11 pounds for 81 cents, and Austrians, 11 pounds at 86 cents, should be overwhelmingly defeated as candidates for re-election this fall; further,

Resolved, That the conservative postal progress league bill known as the Sulzer bill, house of representatives No. 26,581, representing the demands of the friends of the postoffice as set forth at the recent parcels post hearings at Washington, should be enacted into law at the opening of the coming session of congress, viz.:

A bill (by Mr. Sulzer; H. R. 26581) to reduce postal rates, to improve the postal service, and to increase postal revenues.

Be it enacted, etc., That the common weight limit of the domestic postal service of the United States is hereby increased to 11 pounds, the common limit of the Universal Postal Union, and that in the general business of the postoffice the 1 cent an ounce rate on general merchandise—fourth-class mail matter—be, and is hereby, reduced to the third-class rate, 1 cent for each 2 ounces or fraction thereof.

Sec. 2. That the rate on local letters or sealed parcels posted for delivery within the free-delivery services is hereby determined at 2 cents on parcels up to 4 ounces, 1 cent on each additional 2 ounces; at nondelivery offices, 1 cent for each 2 ounces.

Sec. 3. That all mail matter collected and delivered within the different rural routes of the United States is hereby determined to be in one class, with rates, door to door, between the different houses and places of business and the post-office or post-offices on each route, as follows: On parcels up to one twenty-fourth of a cubic foot, or 1 by 6 by 12 inches in dimensions and up to 1 pound in weight, 1 cent; on larger parcels up to one-half a cubic foot, or 6 by 12 by 12 inches in dimensions and up to 11 pounds in weight, 5 cents; on larger parcels up to 1 cubic foot, 10 cents. The full value of any direct loss or damage that may occur through the fault of the postal service. The fees for insurance and registration shall be as follows: For registration and insurance up to \$50, 10 cents; for each additional \$50, 2 cents. No claim for

posting shall be provided on demand. On registered parcels of declared value, and on which the fee for registration, insurance and postage has been duly prepaid, the Post-Office Department shall be liable. (FOR OTHER CONVENTION NOTES SEE PAGE 25)

OBITUARY.

Frederick Katoll.

Buffalo lost one of her oldest florists, by an accident last week, in Frederick Katoll of Ellicott street. He was about to drive down town when the young horse which he had become frightened and in attempting to run away threw him out and kicked him in the head and face, fracturing his skull, causing his death on Monday. Fred Katoll, as he was always called, was born in West Prussia in 1836, coming to Buffalo in 1868. He was employed by the late Gibson T. Williams looking after his private grounds. He afterwards bought land from Mr. Williams on Linwood avenue where he has conducted a greenhouse business for over 30 years. About nine years ago Mr. Katoll bought land on upper Ellicott street and built houses there, also a residence, which he ran in addition to his Linwood avenue place. He was one of the florists of the old school and his knowledge of plants was great. Specimen plants that were rare and difficult to grow were nearly always found at his place, carefully grown by him, while his sons looked after the other part of the business. Mr. Katoll leaves a wife and six children, three sons and three daughters. Two sons, Fred and Arthur, it is expected will continue the business. Mr. Katoll was one of the original members of the old Horticultural Society and of the Buffalo Florists' Club. BISON.

Dr. Charles H. Shaw.

Dr. Charles H. Shaw, assistant professor of biology at the University of Pennsylvania and a noted botanist, was drowned in Kinbasket Lake, British Columbia, recently. The details of the accident are meager. With his wife, two children and a party of friends, he had for several weeks been camp-



THE KROESCHELL EXHIBIT AT THE ROCHESTER CONVENTION.

compensation will be admitted if not presented within one year after the parcel is posted.

Sec. 5. That all acts and parts of acts inconsistent with this act are hereby repealed.

Sec. 6. That this act shall take effect six months from and after the date of approval thereof.

To 1 cubic foot, 6 by 12 by 24 inches in dimensions and up to 25 pounds in weight, 10 cents. No parcels shall be over 6 feet in length, and in no case shall a carrier be obliged to transport a load of over 500 pounds.

Sec. 4. That on all unregistered prepaid mail matter without declared value an indemnity up to \$10 shall be paid by the Post-Office Department for such actual loss or damage as may occur through the fault of the postal service, and this without extra charge. Certificates of

ing at Revelstoke, B. C., some distance from the lake. It has been his custom for several years, to camp in northwestern Canada and engage in exploring and botanical work. He had held the position of assistant professor at the University of Pennsylvania but a short time. Previously he had held positions at Temple University, Ursinus College and the Medico-Chirurgical College, Philadelphia. He was about 38 years old, and a native of Delaware, O.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE next annual meeting of the American Association of Farmers' Institute Workers will be held at Washington, D. C., November 14 to 16, 1910. At the same place and beginning November 16 will be held the annual meeting of the Association of American Agricultural Colleges and Experiment Stations. This meeting promises to be one of the most important that the Institute Association has yet held. The relation of the farmers' institute to the work of the section of the Association of Colleges and Stations will be up for discussion, as well as the subject of young people's institutes and farmers' institutes for women. Special effort should be made by institute directors and lecturers to be present and take part in the discussion of these topics.

CORRECTION.—The price of Watchung sweet pea in A. T. Boddington's advertisement should be 20 cents per ounce, 60 cents per quarter pound, and \$1 per half pound, and not as quoted in two previous issues.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the carnation, "Christmas Cheer," by Henry Eichholz, Waynesboro, Pa., becomes complete.

H. B. DORNER, Sec'y.

August 25, 1910.

National Sweet Pea Society.

ED. AMERICAN FLORIST:—

At a meeting of our society at the S. A. F. convention at Rochester, August 18, Vice-President Wm. Sim in the chair, a motion to act in conjunction with the S. A. F. in Boston at the National Flower Show to be held in the spring was unanimously carried.

President Pierson promised to secure us appropriation and our society stated that it would endeavor to secure the same amount so it is quite possible that we shall have a prize list of about \$350 for sweet peas at that time. Any one desirous of offering prizes, kindly communicate with the secretary.

HARRY A. BUNYARD, Secy.

International Floral Association.

IMPORTANT NOTICE.

We wish to correct an impression which may have gone broadcast through an article published in your July 30 issue under the heading of "International Delivery Concern."

We sent you on the above date an article stating that a representative of the International Floral Association had called upon us, and that Mr. Tracy came near losing his membership fee by the transaction.

Since that time we have made a thorough investigation in regard to the International Floral Association, and we find it to be not only a straightforward business proposition, which merits attention and commendation, but we also find those associated in the enterprise to be men of integrity as well as perfectly financially responsible.

The investigation shows that no florist need fear as to the outcome if they desire to affiliate themselves with this organization, and we are, therefore, pleased to rectify our mistake.

THE ROSERY, per

EDWARD P. TRACEY.

H. G. EYRES,

ROBERT DAVIDSON.

Duty on Roses.

L. Gillier & Co., New York, protested against an assessment of duty on rose plants, the particulars below being given in "Treasury Decisions":

"The importation consisted of rose bushes classified under the provision in paragraph 264, tariff act of 1909, for 'rose plants budded, grafted, or grown on their own roots,' and claimed to be dutiable under the provision in the same paragraph for 'Manetti, multiflora and briar rose.' Protest sustained. 'Considerable testimony of men who appear to be well posted in the growth of rose plants was taken in this case, and we think it clearly appears from this testimony that the budding

or grafting of the plants in question had failed from some cause or other, and the goods as imported were simply plants of Multiflora and should have been so assessed.'"

Explorations in Palestine.

The amount of valuable information scattered broadcast every year by our Department of Agriculture is hardly realized by the ordinary man though many put it to good use. In Bulletin 180 the department has issued a most interesting book on "Agricultural and Botanical Explorations in Palestine," which is worth reading from cover to cover. As the author, Aaron Aaronsohn, points out the orient is beginning to be appreciated in this country and the results of economic exploration will be that the arid portions of our great empire will realize that "light comes from the orient." Varieties of figs and grapes and the hard wheats from Russia are only a few of the good things that have come from the east, and there are many more waiting to be introduced that will prove of immense value economically to our "desert states."

But all this has been written and rewritten many times. The charm of the present volume is in the interesting sidelights given into the working conditions, the social usages and other interesting details of a country that everybody wishes to see and feels an interest in. There are many similitudes between Palestine and California, the vastness of the latter being the principal difference. A list of plants and fruits indigenous to Palestine that the author thinks would be worthy of introduction to the United States is given with good descriptions and the author goes into no rhapsodies about them. There is hard common sense in all he says, as well as indications of a deep scientific knowledge. The pictures are interesting and the fact that the book can be obtained free on application is no criterion of its interest and value.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Boston, Mass., September 23-25, 1910.—Autumn exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston. Address Wm. P. Rich, Horticultural Hall, Boston.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, First Regiment Armory, Michigan avenue and Sixteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., September 22-23, 1910.—Dahlia exhibition, Connecticut Horticultural Society, Unity Hall.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elber on Horticultural Society. Address R. Carey, Long Branch, N. J.

Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Club, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., September 15-17, 1910.—Annual fall exhibition of the New Bedford Horticultural Society, Old Fellows hall. Address E. E. Pierce, New Bedford, Mass.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicoll street, New Haven, Conn.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Egelson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1612 Alhambra avenue, Pasadena, Calif.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., September 1, 8 p. m.—Albany Florists' Club, W. C. Kings, 24 and 26 Steuben street.

Chicago, September 1, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

Lake Forest, Ill., August 31, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

Lake Geneva, Wis., September 3, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Milwaukee, Wis., September 1, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason streets.

Pasadena, Calif., September 2, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

San Francisco, Calif., September 3.—Pacific Coast Horticultural Society.

Utica, N. Y., September 1, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:

"Field Studies of the Crown Gall of the Grape," by Geo. G. Hedgecock.

"The Common Red Spider," by F. H. Chittenden.

"Agricultural and Botanical Explorations in Palestine," by Aaron Aaronsohn.

"The San Jose Scale and Its Control," by A. L. Quaintance.

By the University of Missouri Experiment Station:

"The Principles of Maintaining Soil Fertility," by M. F. Miller.

"Co-operative Variety Tests of Corn," "Variety Tests of Corn at Columbia," by M. F. Miller and H. D. Hughes.

By the University of Arizona Experiment Station: Twentieth annual report on "Administration," "Agriculture," "Animal Husbandry," "Botany," "Plant Physiology and Pathology," "Chemistry" and "Irrigation Investigations."

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Oct. 1st, by middle-aged German; lifetime experience in greenhouse, fruit and truck gardening; can furnish best references; private or institution. GARDENER, 45 Penn Ave., Sharon, Pa.

Situation Wanted—Seedsman 33 years of age, thoroughly experienced expert in clover, grasses, field seeds, vegetables seeks position in office, warehouse or on farm; will go anywhere. GERARD, 49 Brubacher St., Berlin, Ontario, Canada.

Situation Wanted—By all-around florist; German, single; 25 years' experience in this country; first-class grower of cut flowers; carnation section preferred; best of references. Please state wages in first letter. Address Key 193, care American Florist.

Situation Wanted—By a life experience all-around florist; experienced grower of roses, carnations, violets, mums and bedding plants; section of roses preferred; middle aged single, sober state wages. Address Key 187, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business. address Key 144, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board. COLE BROS., Peoria, Ill.

Help Wanted—For greenhouse work; three or four good potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—Good worker as helper in greenhouses; \$12 per week; steady work to the right party. Key 192, care American Florist.

Help Wanted—Two good, experienced potters; good wages and steady job for the right parties. MOSBEK GREENHOUSE COMPANY, Onarga, Ill.

Help Wanted—Single man well experienced in carnat on growing for a large range. Eastern location. A. F. FAULKNER, 121 North 17th St., Philadelphia, Pa.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Grower of general stock, roses, carnations, chrysanthemums and miscellaneous plants for up to date commercial establishment. Key 183, care American Florist.

Help Wanted—A gardener and florist to take charge of a small greenhouse and institution grounds also vegetable garden. Address STATE PUBLIC SCHOOL Owatonna Minn.

Help Wanted—A sber A No. 1 second man; must be a worker; a place of 40,000 feet of glass, where general stock is grown; state wages and send references. ANSEL D. CARPENTER, Cohoes N. Y.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe. SUPERIOR MACHINE & BOILER WORKS, 840 850 W. Superior St., Chicago.

For Sale—Two connected greenhouses, each 24x100 feet, on land 150x350 feet; steam heat; in thriving village, on junction of two trunk railroad lines. C. A. SIMONIS, Houseman Bldg., Grand Rapids, Mich.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00, cash. Key 174, care American Florist.

For Sale or Lease—16,000 feet of glass stocked with chrysanthemums, carnations, etc., in a city of 40,000. Production can be sold at home. Large steam-heated eight room house. Would prefer to sell. R. HINRICHS, Racine, Wisconsin.

For Rent—Greenhouses, 15,000 sq. ft. of glass; new Richard-on boiler just installed; 15,000 carnation plants in field; everything ready to plant; rent reasonable. Address L. C. SCHELT, Park Ridge, Ill., or call at Room 710, 34 Clark St., Chicago.

Wanted—Interest in good seed business \$5,000 to \$7,000 cash to invest; state full particulars in first letter. Key 185, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

SECOND-HAND BOILERS

We have in stock all kinds of Fire Box, Tubular and Cast Iron Boilers, with all Fronts, etc., suitable for greenhouses, mills or factories. Write for prices.

RYAN BROTHERS, 545 W. Lake St., CHICAGO.

FOR SALE

One fire-box hot water boiler, capable of heating 6,000 feet of 4-inch pipe, used 4 years; new flues; complete, with grates and smoke box. Price, \$225. f. o. b. here.

GEORGE REINBERG.

51 Wabash Ave. CHICAGO.

Situation Wanted

By grower, aged 17, brought up amongst flowers, etc., by my father, a wholesale and retail florist; good worker; willing to do anything around a greenhouse; state wages, with board. Address

Key 179, care American Florist.

Retail Store Manager

Advertiser desires to engage a thoroughly competent manager for retail store, well located in a leading western city. This is a good opening for an up-to-date, progressive and reliable man. State age and full particulars of experience and former employment. Address

Key 181, care American Florist.

Situation Wanted.

On or about October 1st I shall be able to accept a position with a good house—one who wishes a good, first-class designer or decorator, capable of managing or acting as buyer. Can give best of references as to ability and integrity. Would like to correspond with any one wishing to hire.

Key 184, care American Florist.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$100 per year or better.

Key 166, care American Florist.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Poehlmann's Orchids

LARGEST STOCK IN THE WEST

And All the Time Getting Bigger

Beauties, Valley, Roses

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead for quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities and the quality is the Poehlmann Quality and head and shoulders above everything else on the market.

Easter Lilies and Valley all the Year. Our arrangements for a perfect supply of these popular flowers all the year round have long been perfected and we can always take care of your orders.

Chrysanthemums. Our plants never looked better. We shall have a grand supply in all varieties. **Carnations.** Our field stock is perfect and never looked more promising. We shall be in crop early in September. **Green Goods of every description. Everything Home Grown.**

Poehlmann Bros. Co.

Office and Salesroom,
33-35-37 RANDOLPH ST.,
CHICAGO.

Long Distance Phone, Randolph 35

Chicago.

TRADE KEEPING UP.

The improvement in the roses noted last week is well maintained and Beauties, especially, are coming in excellent shape for the season. There is a very fair proportion of long stems and all have good foliage and fine flowers. Although they are coming in greatly increased numbers they seem to clean up well daily and the demand from city buyers on some days has been quite spirited. Maryland is showing up in excellent form and is far and away the finest pink rose on the market this week. Killarney is not as good as usual, though some very fair flowers are shown. White Killarney is thin and not to be compared with the flowers of Kaiserin that are shown, this fine summer rose being the best on the market now. Carnations from the young plants are in but they are very short in the stem and poor in color as yet. This is, of course, to be expected at this time. Chrysanthemum Golden Glow is arriving spasmodically but the demand is not brisk. Orchids are still scarce. Cattleya labiata not being in full cut as yet. Valley is variable in quantity, some being poor, though in some of the principal wholesale houses there is grand stock of this useful flower. A number of poor gladioli and golden glow continue to cumber the market, only good stock in either of these lines standing any chance of selling. As to business, everybody is satisfied for it must be classed as quite up to the average for the season. Mondays have been good days of late and the present week was no exception, large numbers of out-of-town orders reaching the wholesalers. Tuesday was not so good but there was little complaint. The members of the S. A. F. who returned early in the week from the convention re-

port having a good time and all we have spoken to say it was a great convention, the Rochester Florists' Club coming in for great praise for its hospitality.

NOTES.

If helping a stranger in a strange land brings its own reward, then John Mangel, the well known retailer of Wabash avenue and Monroe street, has a big one coming to him for there is no better friend to the Greek boys who come to this city than he. Nearly three years ago Peter Karavasas came

ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.

Send for Quotations.

CHAS. W. McKELLAR

51 Wabash Avenue,
CHICAGO.



to Mr. Mangel and he gave him work in his store where the boy did well and was able to keep himself in fair circumstances. Some time ago he fell sick and had to be operated on for appendicitis. This not proving successful, he was again operated on but all to no avail, and he died on Sunday last at the hospital. Everything in the way of expense for hospital and doctor's fees, nursing and the best of attention in every way was cheerfully met by Mr. Mangel while the bedside of the poor lad has been kept

Summer Flowers

**New Beauties, Kaiserin, Rhea Reid,
Pink Killarney, Maryland, White Killarney**

These are the Best Roses for hot weather. We devote a whole range of glass to their growth, and our plants are two to five years old, giving big, strong flowers.

Buy Direct of the Grower and Get Fresh Stock

PLEASE SEND YOUR ORDERS EARLY

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

WE ARE THE BIGGEST

Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties,	Per doz.	Killarney, select	Per 100	Asters	Per 100
Long stems	\$3 00	medium	4 00 to 5 00	Valley	2 00 to 3 00
30-inch stems	2 50	Mrs. Marshall Field, select	\$6 00	Easter Lilies	per doz., 1 50
24-inch stems	2 00	medium	\$4 00 to 5 00	Asparagus Plumosus,	
20-inch stems	1 50	Bridesmaid	4 00 to 5 00	extra quality	per bunch, 35 to 50
15-inch stems	1 25	Bride	4 00 to 5 00	Fancy Ferns	per 1000, 1 50
12-inch stems	1 00	My Maryland, select	6 00		
Short stems	\$4 00 to \$6 00 per 100	Ivory	5 00		
Richmond, select	Per 100 \$6 00				
medium	\$4 00 to 5 00				

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

cheerful throughout by almost daily presents of flowers and fruits from the same source. He was buried on Monday at Elmwood cemetery, Mr. Mangel again meeting all the expense of the funeral and burial while he covered the casket in which the lad was buried with choice white roses and lily of the valley. Peter was 18 years old and worked for Mr. Mangel for two years. His illness commenced in January, since when he has been the object of Mr. Mangel's constant care. Mr. and Mrs. Mangel both attended the funeral on Monday.

The Raedlein Basket Co., 713 Milwaukee avenue, is having a catalogue and price list printed and expect it to be ready next week. The catalogue will contain illustrations and will be mailed to anyone, anywhere upon request. Nine cases of baskets were received last week and another shipment will arrive next week. R. Raedlein's niece, Edna Kindler, is expected back from Ebendorf, Germany, where the factories are located and where she had been in the company's interest. Miss Kindler will have charge of the office and Mr. Raedlein will devote his time on the outside. Everyone is in-

vited to call at the storerooms and look over the stock while florists visiting the city should do likewise as here may be seen practically everything in the basket line.

The Douglas Boulevard Floral Co., (A. Vanderpool, Mgr.) 600 Douglas boulevard, delivered a design in the shape of an emblem of the Royal League to 1015 Olive street, where the funeral of David F. Cunningham was held on August 20. The emblem, a circle, square and triangle, was worked out in yellow and the filling colors were of red, white and blue; roses and immortelles were used. Mrs. Vanderpool returned last week from Brooklyn, N. Y., where she had been visiting relatives. Mr. Vanderpool stated that he was one of six retailers carrying the union label in this city.

Some of the finest valley we have seen is now coming to the Poehlmann Bros. Co.'s store from the greenhouses. The spikes are long and strong, the bells large and pure white and there is ample foliage. This certainly is elegant stock. Among the roses it is difficult to single out any for special mention for all are so good, but Beauty and My Maryland are at the top of the

tree for quality. The quantity of all varieties coming in is also large, but it keeps moving, business being very brisk.

Joseph Gatelis, gardener at the Wilce residence on Harrison street and Marshfield avenue, is busy putting in new benches and walks in the greenhouses. About 1,500 feet of glass are used for the growing of bedding stock for decorating the lawn and premises. The hardy water lily ponds are in fine condition and with the flower beds make the place a beauty spot which attracts the attention of all who pass by.

Hoerber Bros. are installing a new 200 h. p. Fairbanks boiler at their plant at Desplaines. The boiler is already on the ground and will be set at once. This is to be used as an auxiliary and in case of a break-down, as the battery already in was fully capable of taking care of all the glass. Harry Mannheim is back at his place in the store.

Vaughan & Sperry are receiving large numbers of fine Beauties now while orchids, choice valley and other high-class stock is plentiful here and moving well.

IF YOU ARE LOOKING

For Good Stock

We recommend sending us your orders regularly. You will find our stock equal to the best and better than the rest. Can supply

Good Yellow 'Mums.

Golden Glow and others.

Beauties,

Jardine,

Killarney,

Fancy White Asters

Good substitute for White 'Mums.

My Maryland, Kaiserin,

Richmond,

Field,

Bride,

Bridesmaid.

Carnations, new crop now ready, Red, White and Light Pink; Also Auratums, Tuberoses, Harrisii, Lilies, Valley, Gladioli, and all other stock in season.

Green Goods of all kinds

Asparagus Sprengerii,

Plumosus, Smilax, Ferns

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

BEAUTIES, ORCHIDS and VALLEY

Our Beauties are arriving in excellent order and we have plenty for everybody in all lengths. Our growers are just coming in cut with the best grade of Orchids (*Cattleya labiata*), Valley, Asters, Gladioli, and Easter Lilies in full supply and for quality there is nothing to beat them on this market. The Roses are improving right along and cannot be beaten in this or any other market. We want a trial order and are convinced we shall hold your trade.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem	\$3 00
3 1/2-inch stems	2 50
24-inch stems	2 00
20-inch stems	1 50
15-inch stems	1 25
12-inch stems	1 00
Short stems	14 00 to \$6 00 per 100
Richmond, select	Per 100 \$6 00
medium	\$4 00 to 5 00
Killarney, select	6 00
medium	4 00 to 5 00

	Per 100
Bridesmaid,	\$4 00 to \$5 00
Bride,	4 00 to 5 00
My Maryland, select,	6 00
medium	4 00 to 5 00
Chatenay,	5 00
Ivory,	5 00
Asters,	50 to 4 00
Gladioli, named varieties	4 00 to 5 00
in mixture	1 50 to 2 00
Roses, our selection	3 00

	Per 100
Carnations,	\$1 00 to \$2 00
Valley,	3 00 to 4 00
Easter Lilies, per doz.	1 50
Sprengerii,	25c to 35c per bunch
Asparagus Plumosus,	35c to 5 c
extra quality per bunch	
Fancy Ferns,	
per 1000	\$1 50

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

J. Paulus, 4501 N. Clark street, reports that outside of a little funeral work business is very quiet. A broken column five feet high, made up of asters, pink gladioli and English ivy, was last week delivered to the Kent residence, 709 Sacramento boulevard, where the funeral of M. W. Kent was held. A standing wreath five feet high and two feet in diameter was delivered to the Stewart residence on Thome avenue, the latter part of last week. We also noted here a couple of orange trees and a coffee plant, one of the trees standing eight feet high and at present carrying a crop of oranges. The coffee plant is also carrying pods and seems to be the center of interest at the place.

C. W. McKellar is back to business after his extended auto tour. He says he had a splendid time all through and as he made some 4,000 miles over good roads in 14 different states with no accident to his machine, except a

little tire trouble in the way of fair wear and tear, we can quite believe him. On his return from Rochester he shipped his car from Buffalo to Detroit, driving the rest of the way and arriving in the city on Sunday. His record run was on the last lap, 300 miles on Saturday.

At Peter Reinberg's American Beauty is a strong card, the flowers being fine and arriving in quantity. The teas are also improving right along owing to the cool nights and, except that they are a little short in the stem, may almost be said to be up to winter form. Business keeps up remarkably well here to out-of-town points and the city trade is better.

Among the stock showing at Wiator Bros. this week are some elegant Kaiserin, White Killarney and Richmond roses, these varieties coming in fine shape now. N. J. Wiator has returned with an abundance of fish and stories, especially the stories. J.

Psenicka is well again and business at the store is good.

Some extra fine asters are on view at E. H. Hunt's as well as the usual stock in all lines, which is of first rate quality. W. Lynch is still away with his family at Three Rivers, Mich., and writes that he is enjoying a real good time.

Vaughan's Seed Store received a carload of Chinese narcissus this week and this firm has 624 cases of Dutch bulbs enroute from New York.

Geo. Wienhoeber, of the Fleischman Floral Co., Jackson boulevard, left this week for a two weeks' vacation, returning about Labor day.

J. F. Klimmer has not been well since Decoration day and his many friends will be sorry to hear that he has not improved as was hoped.

Wm. H. Engleheart, of the Idlewild Greenhouses, Memphis, Tenn., is in town for a week or two on a vacation.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., **CHICAGO**
Long Distance Phone Central 3155.

W. W. Fuller and family, 4526 W. Ravenswood park, returned August 8 from a month's outing, which was spent at Druse lake. Mr. Fuller is severely tanned and in the best of health and is prepared for another busy season. Wm. Jr. is at present spending a few weeks at Hart, Mich. Miss Julia will attend the Northwestern University at Evanston, she having won a scholarship at the Lake View high school last year. Bud Campbell returned August 9 from his vacation, which was spent at South Haven, Mich.

PICNIC AT HINSDALE.

A most enjoyable picnic was given at Hinsdale on Friday last by the boys from Bassett & Washburn's. They gave the picnic, supplying the refreshments, etc. Bassett & Washburn donated the prizes, as noted below, and E. B. Washburn acted as umpire. It was a gorgeous success, not a hitch occurring to mar the pleasures of the day, and everybody decided that it was one of the most enjoyable picnics they ever attended. The following is a list of events and the winners:

Men's 100-yard championship race.—Alex Sinn, first, scarf pin and cuff links.
Sewing race for married ladies.—Mrs. Reed, first, belt pin.
Sausage contest, open to men.—Emil Ober, first, shirt.
Fifty-yard dash for girls under 16.—Miss Lochman, first, roller skates.
Shoe races, open to men.—Dave Lunden, knife; Paul Weiss, \$1.
Nail driving contest for ladies.—Mrs. David Lunden, first, handbag.
Married men's race.—David Lunden, first, umbrella.
Ladies' race, 16 years and over.—Margaret Lynaunt, first, umbrella.
Sack race, men.—Joe Hanson, first, pipe.
Pinning tail on donkey.—Prizes for everybody; ladies, hat pins; men, necktie.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Aug. 24.	
Roses, Beauty, extra select...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chatenay.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select.....	4 00@ 10 00
" " medium.....	2 00@ 3 00
Asters.....	1 00@ 4 00
Chrysanthemums..... per doz.,	2 00@ 2 50
Cattleyas..... per doz.,	4 00@ 6 00
Lilium Harrisii..... per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum..... per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns..... per 1000,	2 00
Smilax.....	1 50@ 2 00

Aug. Jurgens, 2241 Herndon street, is negotiating with G. J. Smith & Son, real estate dealers, 2175 Lincoln avenue, for the purchase of a 10-acre tract of land in Grosse Point. The place he is now occupying is alongside of the railroad and is more valuable as a factory site than for growing purposes, and if the deal is closed new houses will be erected at Grosse Point and the present property disposed of. Another drawback of the present location is that the smoke and dirt from the nearby foundry and railroads darken the glass and cause a great deal of trouble. Mr. Jurgens has a fine cement basement 40x100 feet which he uses for storage. Some auratums of fine quality, marking the windup of the season were seen here. We also noted a fine stock of Boston ferns and rubbers. Mr. Jurgens makes a specialty of growing bulb stock in the winter and bedding plants in the spring. The seven passenger Packard auto is receiving a new coat of paint.

T. Corten, who is in charge at the Graceland cemetery, is enjoying a two weeks' vacation. J. Eichenold is in charge during Mr. Corten's absence. Visitors: G. F. Crabb, of Crabb & Hunter Floral Co., Grand Rapids,

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders gives prompt attention.

51 Wabash Ave., **CHICAGO**
Mention the American Florist when writing



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.
Store: 51 Wabash Avenue **CHICAGO**

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**
Telephone, Central 3284.

Quality Counts..

Let us have your next order for

Roses and Carnations
and other Seasonable Flowers.

JOHN KRUCHTEN,
51 Wabash Ave., **CHICAGO**

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., **CHICAGO.**
Long Distance Phone, Randolph 3619.

BE YOUR OWN COMMISSION MAN
— AT THE —

Flower Growers' Market

60 Wabash Ave., **CHICAGO.**

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

Mich.: Wm. H. Engleheart of the Idlewild Greenhouses, Memphis, Tenn.; H. A. Philpott, Winnipeg, Man.; J. G. Crozer, Cedar Rapids, Ia.; J. Temple, Davenport, Ia., on his way home from the convention; J. C. Quintette, New Orleans, La.; Mr. Baker of Baker Bros., Fort Worth, Tex.; Mrs. Arnold and daughter, Omaha, Neb.; Mrs. Reimers, Vincennes, Ind.

(OTHER CHICAGO NOTES ON PAGE 263.)

Field-Grown Carnation Plants

We guarantee all plants to be in good healthy condition. Let us know what varieties you want, or send for complete list and prices. All plants we offer are ready for shipping now.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Philadelphia.

BUSINESS FAIR.

The business of the past week was fair for this season. While there was no rush for flowers there was a steady demand for good stock, at reasonable prices. Roses and asters have somewhat improved in quality and move better but there is no advance in prices and it is not expected that there will be for some time to come.

NOTES.

Joseph Heacock, the well known grower, was recently nominated for the state senate. The press has recently been airing a scandal in connection with the construction of a state hospital for the insane and has addressed letters to all candidates. The following explains itself:

"No detailed reply to Lindley Johnson's report came yesterday from the commission which for nine years has had in its charge the construction of the still incomplete Rittersville state hospital for the insane and in that time has spent more than \$1,700,000 of the state's money."

A non-partisan spirit is exemplified in this communication:

"I am certainly in favor of a thorough investigation no matter who it hurts, and I greatly admire the course 'The Press' has taken in this matter. While I am a candidate on the democratic ticket for the state senate from Montgomery county, I trust that politics can be kept out of this investigation and let us get at the truth for the credit of the state and common decency."

JOSEPH HEACOCK.

"Wyncote, Montgomery County."

The Rochester convention attracted a number of the leading men in the trade. They have all reached home and are unanimous in pronouncing it a great convention. Robert Craig, J. Otto Thillow, Fred Michell, Edward Reid and others who attended say that the trade exhibit in particular surpassed that of any previous meeting. There is general satisfaction over the results and there seems to be a general sentiment that the S. A. F. will continue to make good. It is also hinted that the other societies had better get in the band wagon.

A. Miller, of Skidelsky & Irwin, was in New York last week attending to the shipping of French bulbs and Formosum lillies for his firm. Mr. Miller reports bulbs are sound and up to size. R. J. Irwin, of the same firm is on a few weeks' vacation, in Maine.

M. C. Dunn, 618 Chestnut street, has been in the retail business in that locality for 39 years. He has a regular and reliable trade and is not worrying about dull times.

The Philadelphia Cut Flower Co. is handling good stock and reports favorable business. Everybody is glad that Robertson won out in bowling at Rochester.

W. J. Baker is handling an exceptionally fine quality of asters that sell fast.

Berger Bros. were so busy last week that vacations had to be postponed.

SAN DIEGO, CALIF.—Miss K. O. Sessions, the enterprising grower of plants of this city, is back at her place of business after a pleasant sojourn in the country.

Wholesale Flower Markets

PHILADELPHIA, Aug. 24.		Per 100
Roses, Beauty, extra.....	15	00@20 00
" first.....	8	00@10 00
" Brides and Maids.....	1	00@ 5 00
" Killarney.....	1	00@ 6 00
" White Killarney.....	1	00@ 5 00
Asters.....	75	@ 2 00
Cattleyas.....	50	00@75 00
Gladiolus.....	2	00@ 4 00
Lilium Harrisii.....	6	00@ 8 00
Lily of the Valley.....	2	00@ 3 00
Snapdragons.....	4	00@ 8 00
Sweet Peas.....	25	@ 50
Adiantum.....	75	@ 1 00
Asparagus..... per bunch	50	
Smilax.....	15	00@20 00

PITTSBURG, Aug. 24.		Per 100
Roses, Beauty, special.....	12	00@15 00
" extra.....	8	00@12 00
" No. 1.....	4	00@ 6 00
" Bride, Bridesmaid.....	1	00@ 4 00
" Chateau.....	1	00@ 4 00
" Killarney.....	1	00@ 4 00
" My Maryland.....	1	00@ 4 00
" Richmond.....	1	00@ 4 00
Carnations.....	1	00@ 2 00
Asters.....	1	00@ 2 00
Gladioli.....	2	00@ 5 00
Lilium Longiflorum.....	6	00@ 8 00
Lily of the Valley.....	3	00@ 4 00
Sweet Peas.....	25	@ 50
Adiantum.....	1	50
Asparagus Sprengeri, per bunch,	50	
strings... per string,	50	
sprays... per bunch,	50	
Smilax.....	15	00

Baltimore.

TRADE DULL.

Trade here last week was at the lowest ebb. Flowers were abundant and fairly good in quality but stagnation pretty well expressed the local conditions. There is no let-up of the protracted drought, and many crops feel the effects of lack of moisture. A few local showers seem rather to exaggerate than lessen the effects of the dry season.

A number of the trade who were attendants at the convention at Rochester, have not yet returned, extending their trip to the lakes, the St. Lawrence river and other points of interest to sight-seers, but those who are home came back enthusiastic over the capture of the convention of 1911 for this city and pleased with the general arrangements and many pleasures and profits of the one just past. The stay-at-homes are equally elated over the prospect of the coming hither of the national society and from now on the Gardeners' Club, which assumed the initiative of the invitation and on which will rest the burden of preparation for the great event, will be untiring in its preparation for the meeting. It is understood that Mr. Vincent, whose election to the vice presidency is recognized as a compliment to our locality, has already secured the immense armory of the fifth regiment of the Maryland national guard for the trade exhibition. This is a building of immense proportions, and admirably adapted to show purposes. Mr. Vincent's firm will also entertain the entire membership of the society at its place at White Marsh and give a practical exemplification of Maryland hospitality. Other entertainments and diversions will doubtless be arranged for and the visitors to our city will be welcomed and cared for in a fashion which will leave no regrets at their

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURG, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURG, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock.
"Honesty Our Motto." Try Us.

choice of a meeting place. Many business men outside of the meeting express themselves as gratified at the selection of this city for the meeting and will assist the members of the trade in their preparations.

S. B.

Cleveland.

TRADE DULL.

Business has been a trifle slow the past week, and stock has not been over-abundant. The early asters are beginning to go and at this writing are not very plentiful. It will be a few weeks before the later varieties arrive. The exceedingly dry summer is holding back all outdoor stock. Dahlias are arriving but as yet are not of the largest. Gladioli are plentiful and of good quality. Water lilies still find a good market. A few sweet peas are still coming in, the demand being only fair. A fine lot of Kaiserin roses are a part of the regular stock. Smilax and greens are plentiful. Good valley finds a ready market.

NOTES.

There is going to be a "florists' section" in the horse parade to be held here Labor day. There will be prizes for the best turnouts as usual, and all florists are cordially invited. The entrance fee is \$1. Address J. B. Perkins, Blackstone building.

Most of the boys have returned from the convention and all report a good time.

C. B.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

Providence.

Funeral work continues good and counter trade has considerably improved over that of last month. In two weeks most of the schools will open and the people that have been away for the summer will commence to arrive home which is looked upon as the opening of the fall trade. Last week found some days extremely busy in funeral orders and first-class stock was in great demand. Carnations are very poor and scarce and what few come in from field-grown plants are soon bought up at good prices. Asters have improved in quality and quantity and there is still too many of the poorer class but there are great numbers of them used in design work. Gladioli continue plentiful and sell well. Good roses are coming in more abundantly and there is not so much poor stock. Killarney, My Maryland, Kaiserin, Richmond and President Carnot are the favorites and seem to be improving with each cut. Easter lilies were in good demand. There was also a good demand for lily of the valley caused by several weddings. Some fine dahlias are coming in and sell well. Golden Glow chrysanthemum has made its appearance in limited quantities. Great heads of hardy hydrangeas are extensively used in window decoration and ground work of designs. Some cosmos is seen but not of good quality. Orchids are scarce and in very little demand. Asparagus and all other green goods were in better demand the past week. There is a great influx of all kinds of garden flowers and very little demand for such stock. The weather has been fair with a moderate temperature, very little humidity and very cool nights; frost was reported in some locations one night the past week.

NOTES.

William Patry, with John F. Wood, narrowly escaped being drowned from an excursion steamer last Sunday, as he was accidentally pushed from the rail of the boat, but, being an expert swimmer, he was rescued none the worse except for the drenching of his clothes.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Aug. 24.		Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	15 00
" " culls	2 00	4 00
" " Bride, Bridesmaid	1 00	4 00
" " Extra	5 00	6 00
" " Killarney and Richmond	1 00	6 00
" " My Maryland	1 00	8 00
" " Carnot	2 00	8 00
Carnations, select	75	1 00
" " fancy	1 00	2 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Lilium Longiflorum	6 00	8 00
Lily of the Valley	2 00	4 00
Smilax	12 00	16 00

ST. LOUIS, Aug. 24.		Per 100
Roses, Beauty, long stems	15 00	20 00
" " medium stems	8 30	10 00
" " short stems	2 00	4 00
" " Bride, Bridesmaid	2 00	5 00
" " Killarney	3 00	5 00
" " My Maryland	3 00	5 00
" " Richmond	3 00	6 00
Carnations	1 00	1 50
" " fancy	1 00	1 50
Asters	1 00	5 00
Easter Lilies	8 00	10 00
Sweet Peas	20	1 50
Adiantum	1 50	
Asparagus Sprengeri	2 00	3 00
Smilax	12 50	15 00

CINCINNATI, Aug. 24.		Per 100
Roses, Beauty	1 00	3 00
" " Bride, Bridesmaid	2 00	6 00
" " Golden Gate	2 00	6 00
" " Killarney	2 00	6 00
" " Richmond	2 00	6 00
Carnations	1 00	2 00
Callas	10	
Daisies	50	
Lilium Album and Rubrum, per doz.	5	
Lilium Auratum, per doz.	1 50	
Lilium Longiflorum	10 00	12 50
Lily of the Valley	3 00	4 00
Adiantum	1 00	1 50
Asparagus Sprengeri, per bch.	25	
Smilax	12 50	15 00
Gladiola	3 00	4 00

MILWAUKEE, Aug. 24.		Per 100
Roses, Beauty, per doz.	50	3 00
" " Bride, Bridesmaid	3 00	6 00
" " Killarney	3 00	8 00
" " Richmond	3 00	6 00
Carnations	2 00	3 00
Asters	1 00	2 00
Gladioli	3 00	5 00
Lilium Giganteum, per doz.	1 50	10 00
Lily of the Valley	3 00	4 00
Magnolia	35	
Snapdragon	2 00	4 00
Sweet Peas	25	50
Adiantum	1 50	
Asparagus, per string	50	60
" " Plumosus, per bunch	35	50
" " Sprengeri	35	
Ferns, Fancy	1 50	
Galax	1 50	20
Smilax	1 50	

Alex. Miller and wife, formerly proprietor of the Rhode Island Greenhouses here and now foreman on the Greene place at Dallas, Tex., paid us a visit on Sunday on his way home from the convention at Rochester, N. Y. Mr. Miller reports the convention one of the greatest affairs of the kind. He says the Greene place contains 300,000 feet of glass and 3,000 acres of land.

William Tarbox was in town the past week and reports his display of dahlias and asters finer this season than

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Supplies and Everything in Season always on hand

ever before. Mr. Tarbox grows several acres of these plants and has taken many prizes.

The Rhode Island Florists' and Gardeners' Club met Monday evening. The new members admitted were Albert Holscher, John Burke, Charles Haskins, H. C. Neubrand and M. J. Leach.

W. S. Sword of Valley Falls was in town during the past week and reports business in his vicinity very good.

Louis Clarner, Abbott Run, formerly a market gardener, has planted all his greenhouses to carnations.

Fred Covill, manager of the floral department at the Shepard Co., is on a two weeks' vacation.

Edward Brook and wife are at Cottage City for the remainder of August.

Visitors: Alexander Miller, Dallas, Tex.; Franklin of Franklin & Crosby of Danielson, Conn.; W. S. Nichols, Hampton Meadows; William Crompton, East Greenwich; D. E. Newell, Attleboro, Mass.; Harry L. Turner with National Folding Box Co.

J. BRINTON.

New York.

NEW YORK TRADE BETTER.

Market conditions for the fore part of last week were about the same as the week previous, plenty of stock but not much sale for it. On Friday and Saturday, however, all stocks took a decided soar upwards, owing, probably, to society events at Newport recently, where 8,000 American Beauties and about the same amount of lilies on two decorations alone were used. Gladioli are arriving in poorer condition and not so plentiful. Carnations are over with for the time being. There is still an abundance of asters arriving but mostly inferior stock, although some exceptionally fine ones have been noted. Lilies are not as plentiful and stock which brought only 2½ and 3 cents in the fore part of the week are now bringing 4 and 5 cents. Roses are arriving in about the usual quantities and condition for this season.

NOTES.

W. Reed, of Reed & Keller, reports that he was very busy all day Monday showing visitors through his warehouse on West Twenty-fifth street, who are returning to their various home towns by way of this city.

A. Langjahr returned home from the convention Sunday and leaves Monday for a short vacation with Mrs. Langjahr to be spent at Mattituck, L. I.

J. Sharkey of East Twenty-eighth street reports having an order for a casket cover of lily of the valley and orchids.

V. Warendorf is spending his vacation at the Thousand Islands and expects to be back September 1.

A. Henshaw and party arrived home Sunday at midnight in his auto from Rochester.

Buffalo.

TRADE AND STOCK GOOD.

The weather is fair and cool. Stock is of good quality, such as asters and gladioli. My Maryland roses are coming in good now. From what was very quiet two weeks ago we completely changed last week, funeral and other work making things very active for August.

NOTES.

Many visitors called to and from Rochester, namely, P. Holm, of Holm & Olson, St. Paul, Minn.; J. F. Sullivan, Detroit, Mich.; Michael Bloy, Detroit, Mich.; J. Noble, of Noble Bros., Cleveland, O.; J. S. Heppe, Akron, O.; Wm. Honeysett, Erie, Pa.; J. V. Laver, Erie, Pa.; G. B. Babcock, Jamestown, N. Y.; Simon Humfield, Muncie, Ind.; Arnold Ringier, Chicago, and Max Blattus, Dayton, O.

Again Buffalo can put a feather in her hat when the S. A. F. honored George Asmus with the presidency. While George is a Chicagoan and proud of it, we had him first and have several more of the same name here. It is needless to say that he will give the S. A. F. a good administration and retire with honor to himself and the society.

W. J. Palmer has purchased the Hummell home in Lancaster immediately which adjoins the Erie railroad and separates his property from the latter. It is a very desirable addition to Mr. Palmer's fine place.

About two-thirds of the florists from this city were in Rochester and from reports it was a good convention.

R. A. Scott is on a western visit.

BISON.

COSMOS ROSE QUEEN.—This is an early flowering variety of great merit, the flowers large, of fine form and a rich rose color. It received an award of merit from the Royal Horticultural Society of England when exhibited by Dobbie & Co., July 19.

St. Louis.

VERY LITTLE DOING.

The market shows but little change from last week. There is very little doing and funeral work seems to be the only output for flowers. Single tuberose are coming in more freely. There is only a limited number of fancy asters, although the white, pink and lavender, in fair stock, are cleaned up pretty nicely. Rose White Cochet, in good quality, is selling well. Richmond opens up too fast and it is the same with Killarney and even American Beauties don't keep over a day. Carnations are improving slightly but it will be fully four weeks before they become a factor in the market. A few good, light colored gladioli are in and selling at good prices. A large supply of greens is in, many growers tearing out their old stock. Growers report that the violet outlook is poor but that is the same old cry every year. Some extra fine lily of the valley and lilies are in. This week the Eagles are with us and we hope they will help to move things some. Shipments of asters are now coming in from Buffalo, N. Y. Larger varieties will arrive later.

NOTES.

The Florists' Club held a very important meeting, August 11, at Odd Fellows' hall, at 2 o'clock. Talks on the first issue of the Florists' Bulletin, special S. A. F. convention talk and the election of officers were the features. The committee representing the Florists' Bulletin were congratulated on the issue of the first copy. Twenty-five members were present. The following gentlemen were elected as officers:

John Connon, Webster Grove, Mo., president.

Frank A. Weber, vice-president.

J. J. Beneke, secretary.

Will Smith, treasurer.

Will Smith was unavoidably absent attending the funeral of a dear friend but assured the club, through its secretary, J. J. Beneke, if elected he would serve the club faithfully as treasurer and was duly elected. E. W. Guy, of Belleville, Ill., was elected 3-year trustee. The next meeting of the club will take place at Weber's Nurseries, and will be known as the inauguration meeting as all elected officers will be installed.

The Apple Growers' Association met at the Planters' hotel, Wednesday, August 10, for a two days' session. Over 100 growers were present from Missouri, Illinois, Arkansas, Iowa, Michigan and New York. The general opinion was that the apple crop this year would be short owing to the late frosts. A banquet, at the Southern hotel, was given Thursday evening. The following gentlemen of the Florists' Club attended: J. J. Beneke, Frank Fillmore, E. W. Guy, John Connon, G. B. Windler, Fred Ammann, Emil Schray, Will Smith, Chas. Schoenle, Professor Irish, Max Herzog, F. A. Weber, Andrew Meyer, C. Bergsterman and J. Walther. The following florists, not members of the club, attended: F. H. Pring, Julius Koenig, Otto G. Koenig, F. H. Meinhardt and E. Falgraf.

H. G. Berning has rented the ground floor west of his present location to be used as increased floor space for the sale of cut flowers. The steady increase in his business has compelled him to get more space and to make important alterations. He is putting in an additional icebox, 12x12 feet, for the keeping and handling of American Beauty roses in large quantities. He expects to handle, this fall and winter, the cut in American Beauties of some well-known growers and therefore desires increased facilities in this line. The walls between the two stores are to be cut through and the entire place

will be renovated and cleaned up so as to be ready for the fall and winter trade.

C. A. Kuehn is doing a nice trade. Last week he received consignments of extra fine Golden Glow chrysanthemums. He is also in line with some very fancy asters and lilies. He is receiving an increased supply of American Beauties and a regular supply of asters and Harrisii lilies.

Ostertag Bros. were very busy last Thursday, having orders for flowers for the six-year-old son of Jack Powell, pitcher, who died August 23 after suffering from scarlet fever and diphtheria. The offerings were very beautiful and costly.

W. C. Smith Wholesale Floral Co. is getting along nicely with the alterations. The upper floors have been cleaned up and prepared for the transaction of business. Will Osseck has returned from the convention.

Will Smith is a busy man these days. His partner attending the convention put double work on him. This week he entertains his friend, Wm. C. Zimmerman, from Milwaukee who is here attending the convention of Eagles.

Adolph Ahner has planted two houses in carnations and starts on the third one this week. He is building a house 17x100 feet for sweet peas. He will have to purchase violet plants, as so many of his have gone wrong.

Wm. Brinkman has a very pretty and beautifully arranged store. Besides a stock of plants and cut flowers he keeps a fine stock of sea shells, gold fish and fancy jardinières. He is ably assisted by his wife.

The Mullanphy Flower Co. is a heavy buyer in this market, making daily large clean-up purchases. Messrs. Kingsley and Seeger are hustlers and appear to get their share when anything is doing.

Geo. Angermueller has rented the space room above his present location for the keeping of florists' supplies and wire work, the lower floor to be used exclusively for the sale of cut flowers.

Andrew Meyer, jr., city forester will take his three weeks' vacation in the near future. He will journey to the Pacific coast, where he will combine pleasure and business.

The Paris Floral Co., near Olive street and Broadway, has a pretty window display, tastefully arranged by a very attractive young saleslady, Miss May Burns.

F. C. Weber, Jr., is stopping in Atlantic City. He is spending his honeymoon there with his pretty young wife and is expected to return September 1.

Arthur E. Beyer, manager for Grimm & Gorly, has left for the east to visit his folks. Mrs. Vincent Gorly has also gone on a visit to her folks in the east.

Alex Siegel is expected home from the lakes shortly. The wholesale houses miss Alex, especially at the bargain counter.

The Connon Floral Co., of Webster Grove, has been planting carnations all week and expects to have a fine crop this winter.

The Bentzen Floral Co. has a splendid show window and makes some very attractive window displays.

We are glad to announce that Jim Arado has recovered from his sick spell and returned to his post.

Theo. Miller has returned from his vacation. He has been in the Ozarks taking a much needed rest.

G. M. Reburn, of Vaughan's Seed Store, is with us and visiting our friends in the country.

H. Skelcher & Sons are now cutting Maman Cochet roses. They expect to build next year.

Charlie Young, with his wife and son, have left for the lakes, Charlie needing a rest.

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,
To out-of-town florists
We are in the Heart of
New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET,
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID.



Give us a
Trial
We can
Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

Wholesale
WM. F. KASTING CO. Commission
Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, Aug. 24.

Roses, Beauty, special.....	5 00@25 00
" extra and fancy....	3 00@ 8 00
" No. 1 and No. 2....	50@ 2 00
" Bride, Bridesmaid, special.	2 00@ 3 00
" extra and fancy.....	5 @ 2 00
" Killarney, special.....	2 00@ 4 00
" extra and fancy.....	1 00@ 2 00
" No. 1 and No. 2.....	25@ 1 00
" Kaiserin, special.....	4 00@ 5 00
" extra and fancy.....	2 00@ 3 00
" No. 1 and No. 2.....	25@ 1 00
Carnations.....	1 50@ 2 00
Asters.....	25@ 3 00
Chrysanthemums, per doz., 1 00	
Cattleyas.....	35 00@75 00
Dahlia.....	75
Gladioli.....	25@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 00@ 2 00

BUFFALO, Aug. 24.

Roses, Beauty, special.....	20 00@25 00
" fancy.....	15 00@20 00
" extra.....	10 00@15 00
" No. 1.....	7 10@10 00
" No. 2.....	2 00@ 4 00
" Bride, Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Fres. Carnot.....	4 00@ 7 00
Carnations.....	1 00@ 1 50
Asters.....	4 @ 2 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....per bunch, 3c@5c	
Water Lilies.....	3 00@ 5 00
Adiantum Croweanum.....	1 25@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000, \$1 50	
Galax, green and bronze.....	1 50
Smilax.....	15 00

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WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

STATE COLLEGE, PA.—J. W. Cregg, who was elected assistant horticulturist at the West Virginia University by the state board of regents, has declined to accept.

SYRACUSE, N. Y.—Bids for the construction of a new greenhouse, 30x150 feet, were opened at the State fair office, August 5, by Commissioner A. E. Perren. The King Construction Co., North Tonawanda, was low at \$3,281.70, Lord & Burnham Co., of New York, \$3,625, and Hitchings & Co., of New York, \$4,998. The greenhouse will be constructed just beyond the grove on the new land acquired by the commission and will be built at once. The present greenhouse will be leased to the firm having the feed privilege at the grounds.

Moore, Hentz & Nash,

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CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

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Prompt and satisfactory. Consignments solicited

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Successor to FORD BROS.

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Are the best product of the best growers for the New York market.

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Telephone 1998 Madison Square.

August Millang

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41 W. 28th St., NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Mrs. G. H. McNeill, of Jackson, Tenn., accompanied by her son, will be here several days.

Hugo Gross is coming to town daily with large consignments of tuberose and gladioli.

F. H. Weber returned last Saturday from the east where he attended the convention.

A. A. Arnold's representative, Sam Fruend, is in the city drumming up trade.

Geo. Waldbart has painted his store-room and greenhouses, inside and out.

Hugo Gross is now cutting some fine tuberose and gladioli.

Charlie Young has returned from his vacation.

Fred Alves is back from his fishing trip.

W. F.

Boston Note.

The annual sale of stalls at the Boston Flower Exchange, the original Park St. Market, will be held on the morning of Saturday, August 27, at 9 o'clock.

Convention Notes.

One of the familiar faces seen in the lobby of the Hotel Seneca and in Convention hall was that of W. H. Siebrecht, Jr., the florist lawyer of New York, with that calm, pleasant expression which indicates perfect enjoyment, not at all the same Mr. Siebrecht that is seen in court cross-examining delinquents.

Emil Leuly, of West Hoboken, N. J., rode from New York to Montreal and back to Rochester on a bicycle to attend the convention, covering 832 miles in 10 days. Mr. Leuly returned home on his wheel.

We regret to state that J. V. Phillips, of Brooklyn, was taken suddenly ill while attending the convention, leaving for home Wednesday evening. We trust it is not serious.

Signs.—A street car doing business as a lunch wagon was labeled "A Has-been" and a cottage on the way to Manitou bore the legend "Seldom In."

Wm. R. Smith, of Washington, D. C., in his eighty-third year, was a notable figure at the meetings, taking vigorous part in many of the discussions.

"The sweetness of low prices never equals the bitterness of poor quality." Ionia pots are pots of best quality. (Card of Ionia Pottery Co.)

J. H. Fiesser, of North Bergen, N. J., left the convention for the Thousand Islands and Montreal. He expects to be gone about two weeks.

W. G. Matthews and family, of Dayton, O., were under the weather during the opening days of the convention with stomach trouble.

Persons not in the trade to the number of 2,300 approximately, paid admission to the trade exhibition, the fee being 25 cents.

President-elect Asmus and Mrs. Asmus are spending a week along the St. Lawrence and will probably visit Quebec and vicinity.

Chas. Weber reports that he will have a new carnation out by November 1 which promises to eclipse his famous Victory.

J. R. Freeman says the magic pencils distributed by the Chicago delegates wrote Baltimore instead of Chicago.

A. Schloss gave away one of his beautiful bouquet holders to every single lady attending the convention.

Wm. R. Smith will be the guest of his friend, Andrew Carnegie, at Skibo Castle, Scotland, next summer.

Ed. Winterson's many friends are still wondering why he was not on hand.

Frank Traendly is always obliging, but that water errand was an imposition.

Conventions are different, somehow, when Rudd and Watson remain away.

Ballast.—P. J. Foley, Chicago, and Frank H. Traendly, New York.

The band concerts were a notable feature of the convention.

Ask Billy Rickards how long it takes the moon to get full.

Sporting Events.

Snail Race.—Carney, Pittsburg, first prize, umbrella; Luetchford, Rochester, second, box of cigars.

Backward Race.—Carney, Pittsburg, first prize, umbrella; Swan, Philadelphia, second, bottle of Peruna.

Pipe Race.—Robertson, Montreal, first prize, box of cigars; Reid, Philadelphia, second, pipe.

Elephant Race.—Geo. Prevoota, E. Swartzburg, Rochester, first, box 50 cigars; Geo.

Cramer, John Bolamer, Rochester, second, box 25 cigars.

Time Race.—H. Brush, Rochester, first; Phil. Merker, Flatbush, N. Y., second.

Pot Ball Game.—Mrs. F. Traendly, New York, first, barometer; L. H. A. Kline, Towson, Md., second, umbrella.

Fat Man's Race.—Chas. Critchell, Cincinnati, first, pair cuff buttons; John J. Perry, Baltimore, second, umbrella.

Ladies' 50-yard Dash.—Mrs. E. Clinch, Buffalo, first, hand painted vase; Mrs. E. Zirkman, Philadelphia, second, hand painted dish.

Girls' 50-yard Dash.—Ruth Ticker, Rochester, first, picture; Katherine Salter, Rochester, second, nail file.

Boys' 50-yard Dash.—Walter Lavine, Rochester, first, pair military brushes; Roland Poehlmann, Chicago, second, watch.

Shoe Race, free for all.—Fred Thompson, first, umbrella; Geo. Smith, second, umbrella.

Blind Man's Race.—E. Schwartzburg, Rochester, first, traveler's clock.

Judges, R. G. Salter and Geo. Crosman.

Ball Game.

Rochester.	S. A. F.
J. M. Keller.	C. Graham.
R. G. Salter.	— Curtice.
John Suhr.	Dave Scott.
Fred. Vick.	W. H. Carney.
Albert Keiss.	D. W. Ludwig.
Peter Hess.	O. Boucher.
Wm. Purcell.	— Swan.
Ticker.	Geo. Schaeffer.
	J. Manda.

Total

Rochester 1 2 0 0 0 0—3

S. A. F. 4 3 10 8 2 0 1—28

Umpire—E. S. Osborne.

Prizes—One ball club, one pair military brushes, two bill cases, two safety razors, one fountain pen, one sprayer, one silver shaving set.

Team Prizes—Bowling.

Washington, first, 2417. Whildin cup.

Buffalo, second, 2351. Michell cup.

Philadelphia, third, 2245. Foley cup.

High games three games—Washington, 873.

Kasting cup.

Team high first two games—Washington.

Bayersdorfer.

High totals by individuals of teams, C. Graham, 558. Grand Central cup.

High score by individual, Wm. Cooke, 222, silver cup.

Greatest number of strikes, Ernst, Washington, 15. Vaughan cup.

Greatest number of spares, Richmond, Baltimore, Dreer cup.

Highest score, Robertson, Philadelphia Press, won by J. A. Shaw.

Over 50 years of age, McClure, Buffalo.

No. strikes, 15, Geo. H. Cooke.

Individual Bowling, Championship Medal, Robertson, Philadelphia.

W. H. Carney, first, 305, silver cup.

A. G. Scott, second, 295, cuff buttons.

F. H. Adgate, third, 294, stick pin.

C. W. McKellar, fourth, 283, silk umbrella.

J. Wilson, fifth, 274, Gem Jr. safety razor.

L. H. A. Klein, sixth, 245, stick pin and cuff buttons.

J. W. Shaw, seventh, 244, traveling case.

M. Bloy, eighth, 235, watch fob.

S. D. Dysinger, ninth, 227, traveling watch.

Allan Pierce, tenth, 220, cigar cutter.

Press Totals.

J. A. Shaw 236

J. H. Pepper 186

Contest by winners of high scores in team matches and high individuals.

Cooke 110 204

Mansfield 163 167

Graham 172 188

Robertson (first) 162 216

Vick 134 153

Meisem 164 149

Richmond 162 168

Olsem 146 177

Murphy 200 152

Carney 172 157

Fenrich (second) 181 188

Scott 161 145

Contest by Men Over 50 Years Old.

Shaw 133 121

McClure 180 181

Vick 138 168

Siebrecht 110 127

Barry 124

Club Bowling Scores.

Washington.

Cooke 144 165 222

Schaeffer 155 204 147

Simmons 140 127 179

Ernst 131 134 170

McLennon 189 155 155

Buffalo.

Neubeck 151 136 147

McClure 137 149 154

Mansfield 175 144 211

Wallace 165 145 141

Kasting 145 134 117

Philadelphia.

Robertson 178 166 165

Dodds, J. 134 140 146

Bachelor, I. 127 139 182

Connor, D. 113 161 156

Graham, W. 150 122 156

Baltimore.

Richmond 192 155 172

Lehr 116 141 120

Perry 156 123 118

Klutch 173 177 119

Siebold 141 153 167

Chicago.

Olson	136	165	172
Wilson	105	133	162
Asmus	150	134	125
Vaughan	134	148	146
Yarnall	158	171	141

Cincinnati.

Murphy, Ray	152	161	169
Hechman	139	115	163
Sunderbruch	147	106	110
Westruck	132	178	147
Critchell	165	182	121

Long Island City.

Donaldson	145	124	118
Siebrecht, W. H., Sr.	138	132	146
Elnsman	164	122	127
Kessler	170	131	137
Meisem	186	156	157

New York.

O'Mara, P.	161	116	104
Berry, R. E.	119	130	155
Scott, W. C.	141	199	94
Mandel, Joe	104	154	150
Fenrich, J. S.	144	150	193

Cleveland.

Knoble	141	186	124
Warnke	91	89	103
Cushman	100	117	95
Harrison	98	116	129
Graham, C.	200	164	194

Rochester.

Hamm, P.	135	126	134
Keller, I. M.	115	90	127
Keller, J. F.	143	117	116
Vick, A.	161	141	89
Vick, C.	146	123	140

Detroit.

Fetters	132	127	150
Rahaley	145	125	104
Sullivan	160	134	89
Watson, R.	125	125	132
Watson, H.	99	105	102

Individual Prizes.

W. H. Carney	1	305
D. J. Scott	2	295
T. H. Adgate	3	294
C. McKellar	4	283
A. Wilson	5	274
L. H. A. Klein	6	245
J. A. Shaw	7	244
Bloy, M.	8	235
Pierce, Allan	9	226
Siebrecht, W., Jr.	10	228
Streit, Jos.	129	...
Scott, D. J.	122	173
Cushman, B. T.	73	80
Daut, F.	111	75
Hielscher, W. E.	89	107
Luly, E. J.	108	109
Arnold, Chas.	102	83
Robey, C. L.	91	71
Bauer, F. C.	91	67
Moss, F. H.	83	120
Kline, L. H. A.	115	130
Boone, J. W.	126	97
Bloy, M.	101	142
Traendly, F. H.	102	...
Manda, W. A.	105	...
Thoman, F.	95	...
Thoman, P.	120	...
Tilton, L. M.	120	92
Baur, A.	111	137
Siebrecht, H.	111	108
Patterson, W. B.	109	90
Carney, W. H.	165	140
McKellar, Chas.	142	141
Adgate, T. H.	128	166
Ludwig, I. H.	160	...
Dysinger	104	123
Playden	80	86
Bartsch, H. H.	84	53
Whitman, F. C.	81	86
Coles, W. W.	109	87
Bowers, Chas.	89	108
Papworth, Harry	82	...
Richards, W. E.	95	...
Walker, J.	117	99
Ernst, Otto	85	84
Muller, J.	112	126
Shaw, J. A.	159	85
Roehrs, J., Jr.	102	88
Wilson, A.	144	130
Marquardt, F.	84	96
Siebrecht, Jr.	132	94
Pierce, E. A.	87	148
Pearson, W. R.	106	109
Schuly, I.	96	68

Ladies' Individual.

Strikes.	Spares.
Mrs. Whitman 5	Mrs. Traendly 5
Mrs. McKellar 3	Mrs. Asmus 5
Mrs. Traendly 2	Mrs. Moltz 3
Mrs. Moltz 2	Mrs. Schaeffer 3
Mrs. Schaeffer 2	Mrs. Bauer 3
Mrs. Bauer 4	Mrs. Asmus 3
Mrs. Cooke 5	Mrs. Herr 2
Mrs. Asmus 1	Mrs. Kasting 5
Mrs. Klein 5	Won by Mrs. Kast-
Mrs. Herr 2	ing.
Won by Mrs. Klein.	

Total Bowling.

1. Mrs. Wittman (254) Reinberg cup.
2. Mrs. McKellar (250) Darling cup.
3. Mrs. Traendly (240) Balsley cup.
4. Mrs. Moltz (232) silver cup.
5. Mrs. Schaeffer, (227) art pottery.
6. Mrs. Bauer (215) cut glass.
7. Mrs. Cooke (210) gold brooch.
8. Mrs. Asmus, (196) kodak.
9. Mrs. Klein (194) picture.
10. Mrs. Herr (187) hat pin.

George Cotsonas & Co.Wholesale and Retail dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc..Delivered to all parts of United States and Canada
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NOW READY FOR SHIPMENT.

Southern Wild SmilaxCan fill all orders, large or small, promptly,
on receipt of same.
Give us a trial, We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

Perpetuated and Natural Sheet

MOSSSES

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

Wichita, Kans.

Continued dry weather and the usual routine of dull business and summer work at the store and greenhouses will about sum up the situation. The extreme hot and dry spell has been broken by about 10 days of cooler weather accompanied by local rains, mostly in light showers of variable extent but making good growing conditions while they lasted. However, it gave no surplus, and with the weather conditions changing back to dry again we are against the original proposition. Business is running in volume about the same as last year for same period, funeral work furnishing the bulk of it, and the amount of home grown stock entering into the trade here at this time is probably the lightest for years. Gladioli are about all in, dahlias not worth considering; asters are only fit for design work and are rapidly getting scarce at that. So that the slack trade has its recompense in the correspondingly smaller amount of stock it is necessary to buy—and there is never much to be made on summer stock.

NOTES.

The Fairview Greenhouses and the firm of Cain & Dugan are no more. The greenhouses were torn down at close of the spring season, and it was planned to rebuild upon a new location near the cemeteries, but at the last minute a "hitch" occurred with the real estate owner concerning some points in the lease, and, although part of the material had been moved to the new location, the deal was declared off and the whole thing fell through. Mr. Cain has taken a position with Chas. P. Mueller and Mr. Dugan has taken charge of the Bixby greenhouses and, we understand, has sold part of the greenhouse material to Mr. Bixby.

A woodland camping scene in one of the show-windows of W. H. Culp & Co.'s store elicited numerous favorable remarks for fidelity to nature and detail. It also brought a grouch from the office boy who complained that he

**FANCY**
\$1.00 per 1000

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,**Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax \$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays.

**DAGGER.**
\$1.00 per 1000**BOSTON, MASS.****FANCY FERNS,** \$1.25 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets..... \$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.**Greens, Galax, Leucothoe, Evergreens and Ferns**

Laurel Wreathing, Needle Pines and Sheet Moss

Shipped to all parts at lowest prices. We are strictly wholesale.

Write for present prices and full particulars to

S. AN & CLEGGIN,**Roan Mountain, Tenn.**

could not keep the window clear from finger prints. He received but cold comfort from the window trimmer.

The change in the weather gave an opportunity to house some carnations. Chas. P. Mueller has practically all of his benched; W. H. Culp & Co. have one house to plant yet which they expect to do this week. Chrysanthemums are looking well at both above named places.

F. Kuechenmeister is erecting a new residence. Mr. Kuechenmeister struck it about right with a house of asters, they having behaved much better during the dry spell than outdoor stock.

W. I. CHITA.

Miscalculation.

"The hairy worm, observing that the sun was on the meridian, ventured forth from its hiding place.

"Along came a minion of the city forester and spattered it with poisoned spray.

"And I thought," gasped the worm with its dying breath, "that all I had to dodge was the early bird!"

"Haec fabula docet, in medio non tutissimus ibis."

Here is a bit of nature-faking or else carelessness in the choice of words. Hairy worms indeed. But the fable teaches that "eternal vigilance is the price of safety." The gardener, of course, knows that worms are to be looked for in the morning. "In medio tutissimus est," is for the gardener also (not too much enthusiasm.) Reminds me of the motto of the AMERICAN FLORIST: "More comfort amidstships, but we are the first to touch unknown seas." Such saws are all good in cases where they fit, but: What is good in one case, is not, therefore, good in all cases, (in applying poison). "Eines schiekt sich nicht fur Alle." Watch the corners, keep in the middle of the road, be progressive, conservative, anything, but don't get caught.

E. B.

Logansport, Ind.

Orris Root.

The orris root so familiar to lovers of perfumes should really be called iris root since it is made from the roots, or rather rootstocks, of several species of iris, especially Iris Germanica, the common blue flag of the gardens, and Iris Florentina, a white variety. It is reported that the root has to be dried and preserved for some time before the fragrance is fully developed. The freshly dug plants have no fragrance.—American Botanist.

Bogus Order Swindler.

Washington, July 21.—Vernon Jett, a young man out of a job, applied to several Rochester seedsmen and nurserymen asking for the privilege of acting as their agent. He was employed and sent in a number of alleged orders upon which commissions were demanded and paid. Yesterday he was arrested by postoffice inspectors for violating the postal laws.

His alleged orders were claimed to be bogus. The Perry Nursery Co. and the Herrick Seed Co. were the complainants. They claim to have been defrauded to the extent of about \$50 each. When taken before United States Commissioner Taylor, Jett pleaded guilty to the charge and was held to the grand jury. He is in jail awaiting indictment and says he is anxious to plead in court so as to begin his term and have it over as soon as possible. The grand jury is in session.—Rochester Post and Express.

HASTINGS, NEB.—C. B. Tanner & Co. have just purchased of U. S. Rohrer 11 lots in Wemple's sub-division and will greatly enlarge the business. They will build more greenhouses as well as more extensively engage in the business of supplying the demand for flowers, shrubbery and plants of every kind. These additional lots will give them a large and valuable tract for this expansion. \$4,500 was the price paid by C. B. Tanner and his father, S. B. Tanner, of Lincoln, for these lots. They are just completing a large addition to the plant.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance Phone.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

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60 KEARNEY STREET.

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

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Will take proper
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

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D. C.

14th and H Streets.

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
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Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

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The Most Central Location in City.

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Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch Delmar 768.

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

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Established 1849

David Clarke's Sons

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1415 Farnum St.

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The Park
...Floral Co.

J. A. VALENTINE, President.

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Washington, D. C.

Geo. C. Shaffer,

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Phone 2416 Main 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

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EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

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Send flower orders for delivery in

Boston and all
New England PointsTo THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

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Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the *American Florist* when writing

Washington, D. C.

GEO. H. COOKE
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Connecticut Avenue and L Street.

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John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
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25 Clinton Avenue, N.

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St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
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MICHIGAN.

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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

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and Madison Ave.

Has his own correspondents in all the
large cities of Europe and the British
Colonies. Cable orders forwarded by
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Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

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Wholesale and Retail Florist.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.
August 30.

Moltke, Ham.-Amer., 2 p. m., Hoboken Pier.
New Amsterdam, Holl.-Amer., 10 a. m., Hobo-
ken Pier.
Kronprinz Wilhelm, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.
FROM BOSTON, Ivernia, Cunard, 5 p. m.,
Cunard Wharf.

August 31.

Mauretania, Cunard, 9 a. m., Piers 54 and 56.
North River.
Teutonic, White Star, 3 p. m., Piers 60 and
61, North River.
Pennsylvania, Ham.-Amer., 3 a. m., Hob. Pier.
FROM BALTIMORE, Breslau, N. Ger. Lloyd,
2 p. m., Pier 9, Locust Point.

September 1.

La Lorraine, French, 10 a. m., Pier 42, North
River.
Grosser Kurfuerst, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.

September 2.

Marquette, Red Star, 10 a. m., Pier 59, North
River.

September 3.

California, Anchor, 9 a. m., Pier 64, North
River.
St. Louis, American, 10 a. m., Pier 62, North
River.
Caronia, Cunard, 10 a. m., Piers 54 and 56,
North River.
Virginia, French, Pier 54, North River.
Chicago, French, Pier 54, North River.
Baltic, White Star, 11 a. m., Piers 60 and 61,
North River.
Laurentic, White Star-Dom., Daylight.
K. Augusta, Victoria, Ham.-Amer., 10 a. m.,
Hoboken Pier.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any
part of the United States, Canada and
all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the *American Florist* when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

Mention the *American Florist* when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the *American Florist* when writing

Dayton, O.

Matthews,
—FLORIST—
16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long Dis. Phones

Mention the *American Florist* when writing

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNEAPOLIS AND THE DAKOTAS.

Mention the *American Florist* when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders

A Specialty, 218 W. 4th St.

Mention the *American Florist* when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

GEORGE C. WATSON is revising Buist's catalogue.

VISITED CHICAGO: W. Atlee Burpee and Robert Buist of Philadelphia, Pa., returning from California.

ONION SETS are now mostly pulled and on the racks. The very late planted fields—small acreage—will be helped by the past week's rain.

THE daily papers report considerable damage to crops in Japan and private cable advices confirm serious damage to lily bulb crops. Details are not yet at hand.

KENTUCKY BLUEGRASS seed is quoted at 20 to 22 cents, with nothing offering, as compared with 10 to 13 cents this time last year. Indications are that these prices will advance.

WASHINGTON, D. C.—There is much sympathy for F. W. Bolgiano on account of the serious illness of his only son, a promising lad of 16 years. He has been ill for over four weeks with the malady known as infant paralysis, which, contrary to popular belief, does not confine its ravages to infants. For a time his life was despaired of but it is now believed that he will recover.

SEEDSMEN present or represented at the Rochester convention were Vaughan's Seed Store, Henry A. Dreer, A. T. Boddington, Henry F. Michell Co., Rickards Bros., Skidelsky & Irwin, W. W. Barnard Co., Peter Henderson & Co., J. D. Imlay, R. & J. Farquhar Co., Thos. J. Grey & Co., and besides these the local people who were active in convention matters were James Vick's Sons, Vick & Hill and Crosman Bros.

ONION SETS at Chicago are in sheltered crates in the fields now and curing. Fortunately most were dug in advance of the rains of last week. Sets were never of better quality here or harvested in drier condition. Quite a number of crates standing in the fields in racks were unroofed by the windstorm of August 23 and some of the top crates in the racks were wet by rains. Bright weather followed, however, and it is believed the sets will dry out satisfactorily.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CHICAGO.—Prices on the board of trade August 24 for grass seed were noted as follows: Timothy, \$6 to \$7 per 100 pounds. White clover from 20 cents to 25 cents.

MILWAUKEE, WIS.—S. G. Courteen, the well known seedsman of this city, is reported to have bought the beautiful country estate comprising 100 acres and a number of fine buildings at Oconomowoc, known as La Belle Knoll.

SWISS CHARD SEED, according to a recent treasury decision, is dutiable as "beet seed" and not as "seeds not specially provided for under paragraph 266, tariff act of 1909." The protest came from Cramstock, Ferre & Co., Hartford, Conn.

PHILADELPHIA, PA.—Walter P. Stokes has returned from a two month's tour of Europe. He was accompanied by S. F. Willard of Wethersfield, Conn. They thoroughly enjoyed the trip. Mr. Stokes states that on account of a cold and wet season nearly all the European seed crops are short.—R. J. Irwin, of Skidelsky & Irwin, has just returned from two weeks of camping in the Maine woods. He was accompanied by Mrs. Irwin. They sojourned at Camp Oshaloosa as the guests of Frank Mitchell, a well-known florist of Waterville, Me. Mr. Irwin modestly acknowledged catching a number of black bass that weighed three pounds each.

Duty on Hyacinth Bulbs.

Hyacinth bulbs are dutiable under the provision in paragraph 263, tariff act of 1909, for "hyacinth, astilbe, dielytra, and lily of the valley clumps," and not under the last provision in the paragraph for "all other bulbs, bulbous roots or corms which are cultivated for their flowers or foliage."

This is a decision of the United States general appraisers, New York, August 12, and is in the matter of protest 390332 of Joseph Breck & Sons against the assessment of duty by the collector of customs at the port of Boston. The following is from "Treasury Decisions" of August 15:

"Waite, general appraiser: The goods in question are hyacinth bulbs. It is conceded by both sides that they are dutiable under paragraph 263, tariff act of 1909, but each contends that classification should be made under a different clause thereof. The paragraph, in so far as pertinent hereto, reads as follows: '263. * * * Hyacinth, astilbe, dielytra, and lily of the valley clumps, \$2.50 per 1,000; * * * all other bulbs, bulbous roots or corms which are cultivated for their flowers or foliage, 50 cents per 1,000.'

"These bulbs were assessed at \$2.50 per 1,000 under the clause first above quoted; the importers claim they should be dutiable at 50 cents per 1,000 under the last clause of the paragraph, as quoted above. It will be observed that the question involved is purely one of construction of this statute to determine the meaning of the law. Hyacinths are expressly provided for, whether in one form or another, under the provision of paragraph 263, first quoted above. If hyacinths are to be assessed under the last clause of the paragraph, as claimed by the importers, it is because they are included in the general provision for 'all other bulbs or bulbous roots or corms which are cultivated for their flowers.' After a careful consideration of the statute, and all things in the record pertinent thereto, we have come to the conclusion that the word 'hyacinth' in said paragraph should not be considered an adjective qualifying 'clumps,' and hence was intended to cover hyacinths in the form here imported as a separate and distinct grade or class of bulbs. The protest is therefore overruled."

Imports.

During the week ending Aug. 13 imports were received at New York as follows:

Vaughan's Seed Store, 792 cases, two crates bulbs.
R. M. Ward & Co., 623 cases bulbs.
C. F. Meyer, 526 cases bulbs.
H. F. Michell Co., 303 cases bulbs.
Henry & Lee, 253 cases bulbs.
H. A. Dreer, 265 cases bulbs.
Skidelsky & Irwin, 251 cases bulbs.
A. Roelker & Sons, 155 cases bulbs.
F. R. Pierson Co., 110 cases bulbs.
W. Hagemann & Co., 144 cases bulbs.
Stumpp & Walker Co., 108 cases bulbs.
Stokes Seed Store, 85 cases bulbs.
J. M. Thorburn & Co., eight cases bulbs.
H. Mungesser & Co., 269 bbls. clover seed.
Brown Bros. & Co., 50 cases seed.
To others, 2,180 cases bulbs, 1,013 bags clover seed, 928 bags, 603 bbls. seed, 47 bags grass seed, six cases plants.

During the week ending Aug. 20, imports were received at New York as follows:

Vaughan's Seed Store, 750 cases bulbs.
Stumpp & Walter, 386 cases bulbs.
R. M. Ward & Co., 340 cases bulbs.
W. Hagemann & Co., 312 cases bulbs.
W. W. Barnard & Co., 311 cases bulbs.
C. F. Meyer, 290 cases bulbs.
Schultz & Ruckgaber, 253 cases bulbs.
Henry & Lee, 199 cases bulbs.
J. M. Thorburn & Co., 184 cases bulbs, three cases seed.
H. E. Fiske Seed Co., 183 cases bulbs.
Currie Bros., 173 cases bulbs.
W. Elliott & Sons, 171 cases bulbs.
H. F. Michell & Co., 156 cases bulbs.
Schlegel & Fottler, 159 cases bulbs.
P. Henderson & Co., 135 cases bulbs.
J. A. Simmons, 113 cases bulbs.
J. M. McCullough Sons & Co., cases bulbs.
H. Waterer, 93 cases bulbs.
F. W. O. Schmitz, 82 cases bulbs.
W. W. Rawson & Co., 64 cases bulbs.
Wakem & McLaughlin, 5 cases bulbs.
Weeber & Don, 48 cases bulbs.
Siebrecht & Son, 38 cases bulbs.
J. Bader, 25 cases bulbs.
F. R. Pierson & Co., 21 cases bulbs.
H. A. Dreer, 18 cases bulbs.
H. F. Darrow, eight cases seed.
H. Mungesser & Co., 200 bbls. clover seed.
To others, 4384 cases bulbs, 950 bbls., 510 bags clover seed, 90 bags, 19 cases seed.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.





GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trimardeau it is much larger and of good substance. The immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red mahogany and numerous other light, medium or dark mixtures.

1910 Seed Now Ready.

2000 seeds 5c; 5000, \$1.00; $\frac{1}{4}$ -oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield Mme. Perret white darkeye, purple, black, masterpiece, red brown bronze and light-blue shades. Trade packets 25c. any five for \$1.00.

Rainbow is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined marbled, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free. and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per $\frac{1}{4}$ -oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

Lilium Formosum, 7-9.....	Per 1000	\$65.00	Lilium Jamesi, 6-7.....	Per 1000	\$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00		
" " 9-10.....	90.00	Narcissus Paper White Grand			
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00		

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,
1215 Betz Bldg.,
PHILADELPHIA, PA.

Fall Bu'b Catalogue

If you have not received
a copy send for it.

James Vick's Sons
Rochester, New York

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

High-class Seeds, Bulbs, Plants, Shrubs and
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum Multiflorum, 7-9.....	Per 1000	\$50.00
" " Giganteum, 7-9.....	65.00	
" " Formosum, 7-9.....	65.00	
F. O. B. New York.		

RELIABLE SEEDS.

	Oz.	Tr. pkt.
Bells, double Daisies Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special florists' mixture	4.00	50c
Pinks, double dwarf hardy garden mxd.	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd.	4.00	50c
For other varieties ask for my catalogue.		
O. V. ZANGEN, Seedsman, Hoboken, N. J.		

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock.....	\$ 8.00
Empress, Double Von Sion or Princeps....	10.00
Emperor.....	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque.....	8 00

The Leedham Bulb Company, Santa Cruz, Calif.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

ADVERTISERS, Send Copy Early for Best Service.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

MUSK MELONS are later than usual in New Brunswick, but there will be an abundant crop according to J. Bebbington & Sons at Fredericton.

CHICAGO.—R. F. Dilger, 6058 N. Clark street, returned August 18 from Milwaukee, Wis., where he attended the funeral of the two-year-old daughter of Mrs. Chas. Bunda. The funeral was held at the home of Frank Dilger, the well-known florist of Milwaukee. The two gentlemen are brothers and Mrs. Bunda is a daughter of Frank. Mr. Dilger was accompanied home by his sister, Mrs. W. H. Krantz, and two daughters, all of this city. This week will mark the windup of the cucumber crop and preparations are being made for the lettuce crop. A cement walk is being laid on the premises.—The greenhouse vegetable growers are busy planting and expect a good season. Celery and cabbage will be a failure and this will be an advantage to the greenhouse grower.—The first crop of Grand Rapids lettuce came in the market last week and brought from 30 to 35 cents a 3-pound case.—Quite a delegation of greenhouse growers from this city will attend the annual convention of the Greenhouse Vegetable Growers and Market Gardeners' Association at Grand Rapids, Mich., September 27-29. R. F. Dilger will open the discussion on "Selling Through the Commission Man."

Market Gardeners' Association.

GRAND RAPIDS MEETING.

The programme committee, consisting of President C. W. Waid, Prof. R. L. Watts and E. A. Dunbar, has practically completed its labors and the plans outlined for the third annual convention of The Greenhouse Vegetable Growers' and Market Gardeners' Association of America, to be held at Grand Rapids, Mich., September 27-29.

All phases of market gardening, both outdoors and under glass, are given a share in the discussions. The leaders for the various topics are the foremost men in the country in their profession. The Livingston hotel will be headquarters for the convention.

PROGRAMME.

Tuesday, September 27, 9:00 A. M.
Call to order.—President C. W. Waid, New Carlisle, Ohio.
Welcome Address.—Geo. E. Ellis, mayor of Grand Rapids.
Response.—Prof. Wm. R. Lazenby, Columbus, Ohio.
President's Address.
Report of Secretary.
Report of Treasurer.
Reports of State Vice-Presidents.
Reports of Standing Committees.
"Results of Local Organization."—Floyd J. Zuck, Erie, Pa.

1:30 P. M.

"The Use of the Greenhouse to Start Plants for Outdoor Crops."—Discussion opened by W. J. Ritterskamp, Princeton, Ind.
"Outdoor Irrigation—When Practicable?"—Discussion opened by H. F. Chester, Cleveland, Ohio.

"The Relation of the Commercial to the Small Greenhouse Grower."—Discussion opened by W. H. Weinschenk, New Castle, Pa.
"Pointers on Onion Growing."—Prof. A. McMeans, North Dakota Agricultural College.
"Treatment of Greenhouse Soils for Continuous Cropping."—Prof. W. J. Green, Wooster, Ohio.

"What Kinds of Vegetable Seeds Should the Market Gardener Grow for His Own Use?"—Discussion opened by J. Vernon Sheap, Jackson, Mich.

7:30 P. M.

"Some Diseases of Forcing Tomatoes" (Illustrated).—Prof. Thos. Gunson, Michigan Agricultural College.

"Notable Truck Farms and Market Gardens" (Illustrated by stereopticon views).—Prof. R. L. Watts, State College, Pennsylvania.

"The Work of the Virginia Truck Experiment Station."—Prof. T. C. Johnson, Norfolk, Va.

Wednesday, September 28, 9:00 A. M.

Appointment of Nominating Committee.
"Which is to be Preferred, the Large or Small Package?"—Discussion opened by J. N. Draper, Springfield, Mo.

"Are Present Transportation Rates Just?"—Discussion opened by J. H. Rice, Ashtabula, Ohio.

"Selling to the Consumer Direct."—Discussion opened by A. Shiner, Dayton, Ohio.

"Selling to the Retailer."—Discussion opened by L. B. Pierce, Tallmadge, Ohio.

"Selling Through the Commission Men."—Discussion opened by R. F. Dilger, Chicago.

1:30 P. M.

Afternoon set apart to visit places of interest in and about Grand Rapids.

Annual Banquet at 6:00 P. M.

Thursday, September 29, 9:00 A. M.

"Heating and Watering in Winter in Greenhouses."—Discussion opened by B. H. Thorne, Wooster, Ohio.

"Different Methods of Firing Greenhouse Boilers."—Discussion opened by C. D. LeVan, Sanborn, N. Y.

"Muskmelon Culture."—J. S. Brigham, Bowling Green, Ohio.

"How Can Early Outdoor Tomatoes be Made Profitable?"—Prof. W. F. Massey, Salisbury, Md.

"Market Gardening in Colorado."—Prof. Wendell Paddock, Columbus, Ohio.

1:30 P. M.

Reports of Committees.

Election of Officers.

"Some Pointers on Greenhouse Construction."—Discussion opened by E. A. Dunbar, Ashtabula, Ohio.

"Celery Culture."—R. H. Garrahan, Kingston, Pa.

"Some Recent Investigations in the Pollenization of Tomatoes."—Prof. O. I. Gregg, Michigan Agricultural College.

"Detail Methods of Operating a Massachusetts Market Garden."—Prof. H. F. Thompson, Attleboro, Mass.

Indoor Tomatoes.

ED. AMERICAN FLORIST:—

Please tell me through your columns how far apart should tomatoes be planted in the greenhouse and what manure and soil would be the best. I had one house planted in cucumbers; could I plant tomatoes in the same soil? C. S.

Tomatoes should be planted about 15 inches apart in the rows and the rows 18 inches apart, less or more, according to the width of the bench. Any good soil will grow tomatoes, but it should not be too rich at first. Add the manure when the plants begin to fruit. Any manure containing a good percentage of potash is suitable. The soil that has grown cucumbers should be suitable for tomatoes, but it would be improved by the addition of a fourth or fifth portion of new, clean loam.

Mushroom Growing in England.

I know it to be a fact that many inexperienced young gardeners are afraid to make an attempt to grow mushrooms except in structures artificially heated. It is certainly a much easier matter to grow them in such places, but elaborately-built houses are not absolutely essential to success, as I have proved during a period of 25 years. In that time I have had at my disposal properly-constructed mushroom houses, and in some in-

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.....	\$0 20	\$1 00
10,000 and over.....	85c	per 1000
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Pascal.....	20	1 00
10,000 and over.....	85c	per 1000

—Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

stances only cool sheds. In these, and in the open air, with the aid of good hotbed material, and, in several cases, only tree leaves, I have grown mushrooms without experiencing a single failure except one partial failure when attempting to grow them in practically all peat moss litter from stables. I will briefly explain how a beginner should work so as to attain success.

The hotbed material and the way it should be prepared are very important essentials. Of course, stable manure is the best to use, and with it a small proportion of tree leaves, as the latter induce a steady and lasting heat. Many persons fail because they spawn an ill-prepared bed too soon—while the heat is too high—and then the spawn is destroyed. The manure must be gathered fresh every morning and spread out thinly in an open shed to partially dry and sweeten. If turned over every morning the rank gases escape, and in this way the manure is sweetened. When sufficient material has been prepared, the bed should be built. But prior to making up the hotbed, throw up the whole of the stable manure into a conical-shaped heap and allow it to remain so for one day and one night, then spread out the material again thinly. Much steam will escape, and so the manure will be finally sweetened.

Having decided upon the position, proceed to make up the bed. Beds may be of any size, but the smallest should measure 3x4 feet, and the largest 4x12 feet. A very suitable size, however, is a 4x8 feet bed. In nearly all cases, where the beds are constructed on floors of sheds, the beds should be flat-topped and 15 inches deep at the back, with a depth of one foot in front. Where leaves are used they should be added when the bed is being formed. It is a great mistake to remove all the straw litter from the manure; long straw may be taken out, but the short litter should be left in. Add one barrowload of leaves to three of manure, and thoroughly mix the parts. Shake the manure and leaves lightly over the place where the bed is to be made, and as layer after layer is so put down well tread all so that when all the material is used up the bed will be very firm.

When the heat has reached the maximum, and stands at about 85° on the decline, insert the spawn nearly two inches below the surface of the manure, and nine inches apart each way. The lumps of spawn should be nearly two inches square. Beat down the manure again when the spawn is inserted, and follow with a coating of sifted maiden loam one inch thick. Finally cover with clean straw one

Vaughan's Giant Pansies

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1880. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

VAUGHAN'S "GIANT PANSY MIXTURE,"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Casier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

	Trade pkt.	1/8 oz.	oz.
Aurora, pure white without blotches.....	.10	.20	1.30
Auricula Colors, metallic shades.....	.10	.20	1.25
Black, large true black.....	.10	.20	1.20
Beaconsfield, upper petals light lavender, lower ones deep rich purple .....	.10	.20	1.20
Boulogne Giant. This is a special selection of a French Pansy grower .....	.50	2.00	
Bugnot. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures...	.25	.45	3.00
Cassier, 3 and 5 spotted, an Al strain.....	.25	.45	3.00
Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal.....	.25	2.00	
Emperor William, dark navy blue.....	.10	.20	1.25
"Fiery Faces," very rich scarlet, with a gold edge and yellow center .....	.15	.35	2.00
Masterpiece—New Giant Curled .....	.25	.60	4.00
Pink, lovely shades of pink, same as Hydrangea.....	.10	.25	2.00
Purple, very large, rich deep purple.....	.10	.20	1.00
White, very large, with violet eye.....	.10	.20	1.00
Yellow, immense flowers with dark eye.....	.10	.20	1.00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

foot deep. No watering will be required; keep the shed darkened and exclude draughts. In about six weeks' time the first mushrooms will appear.

When in full bearing, I like to remove the straw covering in the case of beds in sheds and replace it with sheets of brown paper, as the mushrooms always come pure white under the paper whereas the damp straw stains them. Only water the beds with tepid water if they become dry, but syringe the floor and walls of the shed every day. When the beds have been in bearing for about six to eight weeks, the growth of mushrooms may be stimulated by giving the bed a good watering with tepid liquid manure—from stables, and about the color of pale brandy—and some salt; the latter being used at the rate of one ounce to a gallon of the liquid manure water.

Beds in the open air may now be constructed. The preparation of the manure and its manner of use should be the same as in the case of beds in sheds; only the beds should be in the form of ridges four feet wide at the base, and three feet high at the ridge. In this case, both a coating of litter and a thatch of straw—and in severe weather, mats—will be necessary. For beds made of leaves only beech and oak leaves should be used; they must be just slightly damped when the bed is constructed, and I have found it a good plan to put on a layer of maiden loam three inches deep and insert the lumps of spawn in the center. Usually, we have noticed that a period of about eight to ten weeks passes before mushrooms appear. Protect these beds in the same way as the others. Outside beds are best made up on the west or northwest sides of walls or fences, but never make them under the branches of trees.—Gardeners' Magazine.

Geraniums, Rooted Cuttings

Ricard and S. A. Nutt until Oct. 20, at \$10.00 per 1000, better book your order soon. Poitevine all sold until above date.

Perennial Phlox,

A superb Salmon Pink, strong divisions at \$2.00 per 100 or \$15.00 per 100. (These prices are cash with order.)

ALBERT M. HERR,

Where Peppermint is Raised.

St. Joseph county, Ind., and Berrien county, Mich., raise 90 per cent of the peppermint grown in this country, according to information gathered by the U. S. census bureau. These two counties have a vast acreage devoted to the culture of mint plants and several thousand men are employed in the industry.

The soil is particularly well adapted to the raising of the plant and several large firms are devoted exclusively to the culture of a single product. One farm in Berrien county, owned by A. F. Beebe & Sons of Niles, Mich., alone comprises about 1,700 acres. The largest growers in St. Joseph county are Jacob Weiss, Crull Bros., Daniel Ward, George Lane, George Motts, and J. A. Boles.

The mint plants are cultivated much like other farm products, but a small distillery is used to extract the oil following the harvest. Mint this year is selling at \$1.50 a pound, although the price has gone as high as \$5. The crop this year is short, owing to the continued cool weather in the spring and recent drought.

Coleus Rooted Cuttings

Verschaaffelti Golden Bedder and Fancy assorted among the latter are a good proportion of D. K. Herr's unrivaled Giant Leaved at \$5.00 per 1000 until Oct. 1. (Fine lot ready now.)

Iris, "German"

Mixed colors at \$2.50 per 100, \$20.00 per 1000.

Lancaster, Pa.

Frederickton, N. B.

We have certainly had a beautiful season so far, plenty of rain which seems to suit us here in this part of the province; also the temperature has not been tropical, but temperate, cool nights and moderate warm days. The lawns, trees and fields are green. Potatoes look well and are a fair crop. Garden truck sells well, also beets, turnips, radishes and lettuce. Tomatoes are coming in in limited quantities at about 10 cents per pound. This has been a poor season for tomatoes; the temperature has not been high enough—too much growth, not enough fruit. Our frame cucumbers have sold well at 40 to 50 cents per dozen. The local supply did not meet the demand and they will likely be cheaper from now on. The season suited dahlias, roses, sweet peas and pansies, in fact almost everything that likes moderation. Trade has been rather better than usual.

J. B.

KENNEBUNK, ME.—J. O. Elwell has been making repairs at his greenhouses on Brown street, including the building of a cement wall under one of the boiler houses.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

RUDBECKIA GOLDEN RAY is a great improvement over R. Golden Glow.

AUGUSTA, GA.—P. J. Berckmans Co. writes: "Since May we have had ideal growing weather, and nursery stock has more than made up for the lost time due to severe drought in March and April. Owing to the drought there is a poor stand of some things, which could not be planted until late. As an illustration of how nursery stock is growing, we have one year budded apples which are today eight feet tall and still growing. The outlook for fall business is very promising. We have recently closed up several large landscape contracts in different parts of the south."

Connecticut Nurserymen at Play.

ED. AMERICAN FLORIST:—

Enclosed find photograph of a group of the members of the Connecticut Nurserymen's Association, taken on the grounds of the Elm City Nursery Co., New Haven, where the association met for a field day, August 11. After spending a pleasant morning exploring the nurseries, the members took the trolley to Savin Rock, Connecticut's Coney Island, where, after a well served dinner at the Colonnade, the members played kids for the remainder of the day, taking in all the shows from the roller coaster to the flying horses. It was voted unanimously that the day had been most pleasurably spent.

E. F. C.

A Good Nursery Label.

While looking through the nursery of the Geo. Wittbold Co. at Edgebrook, Ill., recently we were much impressed with a simple and, apparently, an extremely effectual system of labeling

trees or other stock that have to be a long time on the ground. Wood labels soon decay and there are numerous faults to be found with almost all of the metal ones we have seen. The system followed at the Wittbold nursery is to drive a length of steam pipe of about 1¼-inch or 1½-inch bore firmly into the ground with the upper end open. A cap of the same sized pipe has a wooden rectangular label attached to it and this is simply dropped into the open end of the pipe. It is easily withdrawn for examination, is protected absolutely from all



CONNECTICUT NURSERYMEN'S ASSOCIATION.

Group of Members at the Elm City Nursery Co., New Haven August 11.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped
These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in....	\$0.30	\$3.00	\$20.00
12 to 15 in....	.35	3.50	25.00
15 to 18 in., light....	.40	4.00	30.00
15 to 18 in. heavy....	.45	4.50	35.00
18 to 20 in....	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch.....	\$0.20	\$2.00
4 inch.....	.35	3.50
5 inch.....	.60	6.00
6 inch.....	1.00	10.00
7-inch.....	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....	\$15.00 per 100
" " Pink.....	9.00 per 100
" " Red.....	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture
Mention the American Florist when writing

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet

FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veltchli, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

weather and cannot be injured by being struck with the cultivator or hoe. This may not be new to everyone, but it was new to us and we never saw anything in the way of a nursery label at once so simple and effective. G.

NEW BERRY, HIMALAYA GIANT
 Berry Catalogue free with Colored plates
 Berrydale Experiment Gardens, Holland, Mich.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
 CATALOGUES AND PRICE LISTS
 FREE ON APPLICATION.....
PAINESVILLE, OHIO.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
 Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
 Wholesale catalog for fall issued Sept. 1st.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiræas, Valleys.

Price List Free on Demand.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York
 Designs, Estimates, Construction of Grounds.

American Association of Nurserymen.

The following are chairmen of the committees appointed by President Stark for 1910-11:

Transportation—D. S. Lake, Shenandoah, Ia.; Chas. M. Sizemore, Louisiana, Mo.

Tariff—Irving Rouse, Rochester, N. Y.
 Legislation East of Mississippi River—Wm. Pitkin, Rochester, N. Y.

Legislation West of Mississippi River—Peter Youngers, Geneva, Neb.
 Co-Operation with Entomologists—J. W. Hill, Des Moines, Ia.

Programme—J. H. Dayton, Painesville, O.

Publicity—Orlando Harrison, Berlin, Md.

Exhibits—J. W. Schuette, 5600 Gravois avenue, St. Louis, Mo.

Arrangements—John Hall, Rochester, N. Y.; J. H. Dayton, Painesville, O.; F. A. Weber, Nursery, Mo.

Editing Report—John Hall, Rochester, N. Y.; Prof. John Craig, Ithaca, N. Y.

Entertainment—F. A. Weber, Nursery, Mo.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

**Evergreens and Conifers,
 Rhododendrons and Herbaceous
 Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.
 Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen and Florists Rutherford, N. J.

A BLUE ROSE

**The Greatest
 Rose Novelty
 of the Century**

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS, RIEL, HOLLAND.

Forestry—A. J. Brown, Geneva, Neb.
 Co-Operation with Fruit Growers and Associations—J. M. Irvine, St. Joseph, Mo.

Trade Opportunities—Jefferson Thomas, Harrisburg, Pa.

Nurserymen's Share in Civic Improvement—J. Horace McFarland, Harrisburg, Pa.

Membership—John Watson, Newark, N. Y.

Vitality of Pine Seeds.

It is well known that various species of pine in the western United States retain their cones and seeds for a number of years after the seeds are mature. Sometimes these cones remain on the tree for nearly 20 years. The question having arisen as to the vitality of the seeds in such aged cones, several experiments have been made in order to settle the matter. J. C. Blumer experimented with 6,000 seeds and found the older seeds not only as viable as the younger ones

but more so. Out of 3,000 from 10 to 30 years old, 40 per cent retained their vitality, while of a similar number of seeds less than 10 years old, only 31 per cent grew. The advantage of this prolonged vitality is that it gives the trees a distribution in time similar to the distribution in space of other trees. A forest of such pines may thus be reproduced in a locality more than 30 years after the last living specimens have disappeared.—American Botanist.

THE government is making inquiry as to what is technically known as "seedling evergreens" by the trade.

LANCASTER, N. Y.—Wm. J. Palmer of Buffalo, who is the owner of extensive greenhouses here, has purchased the Hummel property on Central avenue, near the Erie railroad. The property in question will make a desirable acquisition to Mr. Palmer's large interests here. The consideration, it is said, was about \$7,000.

Extra Fine Rose Stock

Will Close Out at Following LOW PRICES:

Stock is first-class, except those noted small.

	Each
700 3½-in. Grafted Pink Killarney.....	10c
250 2½-in.	6c
600 2½-in. Own root (small).....	3c
600 3½-in. Grafted Richmond.....	10c
1400 2½-in. Own root	6c
800 2½-in.	3c
400 2½-in. Grafted	6c
75 3½-in. Cardinal.....	10c
500 3½-in. Own root	8c
400 2½-in. Kaiserin.....	3c

Poehlmann Bros. Co., Morton Grove, Ill.

Milwaukee.

BUSINESS GOOD.

Stock is selling readily; quite a number of gladioli are making their appearance, the majority of them being of the darker shades, but of good quality. Roses are still cleaning out, lily of the valley enough to supply the demand. The first new crop carnations made their appearance last week but are rather short in stem, which is to be expected. Asters of the good grades are scarce but plenty of short and inferior grades. Shipping business is exceptionally good.

NOTES.

Fred Holton is very much disappointed that he could not attend the convention, as he had planned a good time and the rest of the boys missed him very much, as he is very good company, especially when away from home. He tries hard to see that all enjoy themselves. He could not go on account of sickness in his family. G. H. Hunkel reports that prospects for the bulb business are very good. He has already received good advance orders.

Wm. C. Zimmerman's store is completed and there is no question but what he has one of the prettiest stores in the city. He says business is very good, having a large amount of funeral orders for the deceased wife of Mr. Gutsch, the popular brewer of Sheboygan, which made it necessary for him to go along with his orders and take proper care of same.

A. Leidiger and wife of the Edlefsen-Leidiger Co., are planning a visit to an uncle in New York. Mr. Leidiger is looking forward to this trip as he expects to have a good time; he intends stopping at a pretty place on the Hudson and is going to take in everything worth seeing. Miss Rose Semmler, of this company, is back after a month's recreation.

J. E. Matthewson of Sheboygan, who had joined the party from this city to the convention, returned just in time to get into harness and help out with the extensive funeral orders for the funeral of Mrs. Gutsch.

Forest Home Cemetery Association is putting up concrete benches and is all through planting carnations. They only cater to the people that use the blooms to decorate the graves.

Currie Bros. Co. was busy with funeral work, having a number of good orders. This house receives the bulk of the masonic work, which keeps it going almost all the time.

Mueller & Schroeder have started to cut some new carnations and they expect to have a crop in the near future. Gus Mueller of this firm reports a good time at the convention.

A. Zender of Chicago spent a few days fishing at Pewaukee Lake with F. H. and George Holton; the latter is the man behind the gun at the Holton & Hunkel palm houses.

E. Welke and wife spent a few days in the country fishing and report a very good time. Henry Marquardt, of this firm, spent a week calling on out-of-town trade.

E. Eberhardt and Wm. Nero of Cedarburg stopped over on their return from the meeting of the State Horticultural Society.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses don't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4-5-6 tiers 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. 1012 West Ontario St., PHILADELPHIA, PA.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00
Chinese Primroses, 2½-in.	3.00	25.00
Christmas Peppers, 2½-in.	2.50	
3-in.	5.00	

50 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Gustav Pohl and wife are again unfortunate in losing their baby boy, this being the second occurrence of its kind.

Chas. Burmeister is putting up quite a large range of houses; he expects to grow sweet peas extensively.

Holton & Hunkel Co. is cutting a very nice lot of American Beauties, mostly a medium grade.

The National Floral Co. expects to change quarters, but has not decided upon a location yet.

Nic Zweifel has returned from the convention and reports a very good time.

A. Currie spent his vacation at Frees Lake and says fishing was fine.

E. Stewart Floral Co. reports business very good.

Visitors: Mrs. T. Hinchliffe and J. Benstead, Racine; J. E. Matthewson, Sheboygan; A. Zender and John Sinner, Chicago. G. R.

SEDALIA, MO.—The Archias Floral Co., which purchased the greenhouses of Charles Gelven & Son last spring, will build two new greenhouses this fall to enable it to cope with the increased demand for its products.

Robusta Compacta, *Excelsa Glauca*, 6 in. pots, \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

Kentia Belmoreana, 25 3½-35 4 in. high 5-5½-6-7 in. pots, 5-6-7 years old, 50c 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Standard Bay Trees, 1 foot tubs, 7 ft. high from bottom up 2 x 2 crown, \$3.00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Nephrolepis (Ferns), Boston Scottii, Whitmani, Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.

Ferns for Dishes, big assortment. 2½-in. pots, at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.

Begonia Lonsdale, pale pink, 4 in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots, 18c to 20c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

We have an unsurpassed strain of *Solanum Multiflorum* (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

SPECIALTIES.

Roses, from 3-in. pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.**PALMS, FERNS**

AND

Decorative Plants**JOHN SCOTT,** Rutland Rd. & E. 45th St. BROOKLYN, N. Y.**Whitmani Ferns**

2½-in., \$5.00 per 100; \$40.00 per 1000, 250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.**Robert Craig Co...****HIGH CLASS PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

KALAMAZOO, MICH.—The entire potato crop of southern Michigan, amounting to more than 1,000,000 bushels, and valued at more than \$1,000,000, is a total loss, according to reports at markets here. Farmers, dealers and crop experts are responsible for the above statement, and say the crop was killed by heat.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

Chicago Notes.

Mrs. J. F. Lang, 2008 Melrose street, is enjoying a steady retail and wholesale trade. G. F. Haecker has had charge of the greenhouses since the death of Mr. Lang, which occurred about three months ago. Mr. Haecker is an experienced grower and was formerly in the employ of C. Penshorn, 1243 W. Sixty-first street. A specialty is made of bedding plants in the spring. We saw here a fine stock of Boston ferns and rubber plants. The residence and greenhouses were lately rebuilt and everything about the premises is in first-class condition.

J. C. Craig, 175 Wabash avenue, is receiving his share of wedding work, having three orders for August 20 and two for August 21. Word received from Joe Craig was to the effect that he and his party had reached San Francisco, and were enjoying every mile of their long outing.

At J. A. Budlong's we noted elegant Jardine roses this week, also grand Kaiserins. All the popular roses, in fact, are coming in large numbers but the demand keeps good and cleans them up well. Chrysanthemum Golden Glow is also coming in quantity.

Briggs House Florists (Argison & Papatony), 57 Fifth avenue, are enjoying a good summer trade. Andrew Pappas is assisting Mr. Argison at the store on Fifth avenue and Mr. Papatony has charge of the store in the Masonic Temple.

A. Mangel, formerly of Spokane, Wash., is now landscape gardener at the Alexian Brothers' hospital, Racine and Belden avenues. P. Drowysus has charge of the greenhouse and expects to begin propagating in the near future.

Pittsburg.

STOCK SCARCE.

This writing leaves the market quite lively. Funeral work is very plentiful and stock scarce. Asters, lilies and white roses are much sought for, and the market is bare of these. Everything is cleaning up except pink roses which are a little slow. If the weather had been any way favorable stock would be plentiful. The early crop of asters was almost a failure. Gladioli were also affected and at the present time good stock cannot be had.

NOTES.

Geo. Oles, Youngstown, O., is branching out from the flower business a little. He has bought a large chicken farm and is pushing the chicks during the dull season and flowers in the winter.

J. W. Dudley, Parkersburg, W. Va., made the trip to Rochester convention overland in his touring car and reports a fine trip.

Mrs. E. A. Williams, Penn avenue, is cutting some of the finest asters seen in this market.

Misses Forbes and Donahey, Wheeling, W. Va., are taking a rest at a quiet summer resort on Lake Superior.

PEONIES

Place your orders now for
September and October planting.

We have an exceptionally large stock, all of our own growing, all tried up. Our list comprises all of the very best sorts, such as:

Duchess de Nemours (Calot)	Madame de Verneville,
Jeanne d'Arc,	Delachi,
Marie Lemoine,	Festiva, true,
Delicatissima,	Festiva Maxima,
General Cavnignac,	Lee's Grandiflora Rubra,
Edulis Superba,	Floral Treasure,
Officinalis Rubra Superba,	Richardson's Rubra Superba
Dorchester,	

Also many other sorts.

SEND FOR COMPLETE LIST WITH PRICES.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO
25 Barclay St., NEW YORK
Greenhouses and Nurseries, Western Springs, Ill.

Miscellaneous Plants

CYCLAMEN

Fine stock for immediate sales.

	Doz.	100
2-in.	\$ 3 50	
3-in.	\$ 1 00	7 00
4-in.	2 00	15 00
2½-in. Boston, fine stock.....	4 50	
4-in.	\$2 00	15 00
5-in.	3 00	25 00
2½-in. Whitmanl,	5 00	
4-in.	2 00	15 00
5-in.	3 00	25 00
2½-in. Amerpohl,	4 50	
2-in. Asparagus Sprengerl,...	2 50	
3-in.	1 00	6 00
2-in. Asparagus Plu Nanus,...	Doz.	100
2-in. Assorted Ferns, dishes...		\$ 3 00
2-in. Celestial Peppers,		3 00
2-in. Jerusalem Cherries, ..		3 00
2½-in. Cocos Weddelliana	\$ 2 00	15 00
4-in. Araucaria Excelsa,	Each	Doz.
2 3 tiers	\$ 50	\$ 6 00
6-in. Araucaria Glauca,	3 4 tiers	1 75
6-in. Araucaria Compacta,	3 4 tiers	1 75
Kentia Belmoreana,	Each	
6-in. pot, 5-6 leaves	\$1 25	
4-in. pot,	per 100, \$35.00	35
2½-in. pot,	per 100, 10.00	

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

GRAFTED ROSE PLANTS

Young Stock. Very Choice, Strong Plants

400 Richmond, 3-inch, at.....	\$12.00 per 100
2000 Pink Killarney, 3½ and 4-inch, at.....	15.00 per 100
500 Pink Killarney, 3-inch, at.....	12.00 per 100
1000 White Killarney, 3½-inch, at	15.00 per 100

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN

Office and Store: 76 Wabash Ave., CHICAGO.

Greenhouses: HINSDALE, ILL.

Thomas Fitzgerald, Beaver, stopped in on his way home from the convention.

J. J. Bolton, Beaver Falls, has been very busy lately with funeral work.

W. T. Kidd, Beaver, is busy getting ready for fall and winter trade.

Chas. Koenig, Milvale, has bought a new farm in that section.

Jacob Elicker, Homestead, is visiting in Baltimore and Buffalo.

Miss Beck, New Castle, is spending her vacation in this city.

J. Breitenbaugh has been very busy with plant decorations.

Frank Stafford of the Zieger Co. is away on his vacation. J.

LAKE LINDEN, MICH.—The Pearce Hardware & Furniture Co. is going into the business of flower growing on a somewhat extended scale and has, in course of erection, several large greenhouses. Roses, carnations, lily of the valley and Easter lilies are the principal crops to be grown at first.

VOLUME
1
NUMBER
8

Boddington's Store News

PUBLISHED
EVERY
NOW AND
AGAIN

SATURDAY AUGUST 27, 1910.

Remember you may deduct 5 per cent if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS.

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST AND SEPTEMBER.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cents, ¼ lb. 75 cents, ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 4 cts., ½ lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. P. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine..... 15c
All plants in 4-in. pots.
Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its monthly meeting at Pembroke Hall, August 10. It was aster night, and a grand display of those beautiful flowers was on hand.—Winners were: Society's prize: Best 12 White, J. McDonald; Best 12, Pink and Best 12 any color, I. Trepass, also winner of Matz special prize for best 24 White. Mr. Trepass certainly knows more than most in the culture of asters; he had magnificent blooms on exhibition. Honorable mention to A. Golon for Sutton branching asters, I. Dunnbrosky for collection of asters, vase of aster, purity, onions and egg plants, F. Petioccia for sweet peas and cucumber. Next meeting will be fruit night, prizes will be given to three best melons, best six peaches and best six apples. O. E. A.

A New Fern NEPHROLEPIS GIATRASHII

Awarded a Certificate of
Merit by the Horticultural
Society of New York.

Prices: In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRASH,
463 Summit Ave., West Hoboken, N. J.
Mention the American Florist when writing

Marechal Niel Roses...

Extra Choice, 2½-inch,
\$3.50 per 100; \$30.00 per 1000.

What do you need in rose plants, new or spring?

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.

KANSAS CITY, MO.—H. L. Kennedy, Carrollton, was here August 12 on the last turn of a three weeks' bicycle trip through Missouri and southeastern Kansas.

FAIRVIEW, ILL.—Extensive improvements are being made by J. Eldredge at his greenhouses, among which is the erection of a new cement chimney, 50 feet high, 30 inches inside diameter.

FERNS

One of our specialties is growing up to 8-in. and 10-in. for vases, baskets, etc. Our varieties include

	2½-in.	3-in.	4-in.	5-in.
Bostons.....	\$5.00	\$10.00	\$15.00	\$25.00
Whitmani.....	7.50	15.00	25.00	50.00
Amerpohli.....	7.50	15.00	25.00	50.00
Scottil.....	7.50	15.00	25.00	50.00
Plumosus.....	3.50	8.00	15.00	25.00
Sprenger.....	2.50	5.00	12.50	25.00
Maiden Hair.....	5.00	15.00	25.00	
Small Ferns.....	5.00			

	6-in.	7-in.	8-in.
Bostons.....	\$40.00	\$60.00	\$100.00
Whitmani.....	75.00	100.00	150.00
Amerpohli.....	75.00	100.00	150.00
Scottil.....	75.00	100.00	150.00
Plumosus.....	50.00	100.00	
Maiden Hair.....	Specimens 10-in. and up, \$2.50		
Primroses, Chinese, Obconica and Forbesii, 2½-in. at \$5.00; 3-in. \$8.00 per 100.			
Cyclamen, 2½ in. at \$5.00; 3-in. \$8.00 per 100.			
Celestial Peppers, 2½-in. \$2.50; 3-in. \$7.50 per 100.			
Jerusalem cherries, 2½ in. \$4.00; 3-in. \$8.00 per 100.			

Polnsettias, 2½ in. at \$6.00 per 100.
Cinerarias, 2½ in. at \$5.00 per 100.
Hydrangeas, 2½-in. \$5.00; 3-in. \$8.00; 4-in. \$12.50
6-in. 5 c. and 9 in. \$1.00.
Flowering Begonias, 3-in. at \$5.00 per 100.
Rex Begonias, 2½-in. at \$5.00; 3-in. \$10.00; 4-in. \$25.00 per 100.
Fancy Caladiums, 4-in. at 25c each.
Araucarias, fine plants at \$1.00 each. A special bargain.
Extra good values in all kinds of Ferns: Bostons, Whitmani, Amerpohli, Plumosus, Sprenger and Maiden Hair.

Ask for our other lists in season.

GEO. A. KUHL, Wholesale Grower,
PEKIN, ILL.

**For Reliable Stock
From Reliable Dealers
Keep Tab on Advs. in THE FLORIST.**

NOW READY

The American Florist Company's

Trade Directory

For 1910

Contains 570 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

Dreer's Araucaria Special

Exceptional values in Araucarias for Immediate Delivery.

Araucaria Excelsa (Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes. The plants are all of good value and will be found a profitable investment to grow on for winter sales.

		Each
4 inch pots	5 to 6 inches high.	2 tiers..... \$) 30
5 inch pots.	10 to 12 inches high.	3 tiers..... 60
6 inch pots.	13 to 15 inches high.	3 to 4 tiers..... 75
6 inch pots.	14 to 16 inches high.	4 tiers..... 1 00
7 inch pots	16 to 18 inches high.	4 tiers..... 1 25

Araucaria Excelsa Glauca.

5 inch pots	8 inches high.	2 tiers..... 75
6 inch pots.	10 to 12 inches high.	3 tiers..... 1 00
7 inch pots.	13 to 15 inches high.	4 tiers..... 1 50

Araucaria Robusta Compacta.

6 inch pots.	8 inches high.	2 tiers..... 1 00
6 inch pots.	10 to 12 inches high.	3 tiers..... 1 25
7 inch pots	12 to 14 inches high.	3 tiers..... 1 50

Write us for Special Prices on advance orders for
HARDY PHLOX and **PEONIES** for Fall Delivery.

For a complete list of seasonable stock, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.



Washington.

The trade here, in common with other cities, is feeling the summer dullness, but as this is an annual occurrence there is no worrying over it. Some very good American Beauty and Killarney roses are on the market but nearly all roses are short. They can be used in funeral work and as that is the main feature of the trade at present, there is but little inconvenience on account of stock. At a number of the retail stores advantage is being taken of the dullness to give the interior a thorough redecorating. The growers seem to be in good shape for the coming season, with roses and carnations looking well on the benches. The outdoor crop of asters is generally poor this year; the best we have seen were grown under glass.

NOTES.

In writing of the local growers it is only justice to state that in the past 10 years a number of them have made great progress in both the extent and equipment of their ranges and the quality of stock grown. This is all the more creditable to them when it is stated that the soil and climate of the District of Columbia is less favorable for floriculture than some other parts of the country.

Doubtless those who are regular attendants at the conventions of the Society of American Florists, missed this year the genial personalities of Wm. F. and Adolphus Gude. Wm. F. Gude, a former president of the society, had the misfortune to have one of his hands injured recently while operating his automobile. Though the hurt was not serious it has been painful. Adolphus Gude missed the train that carried the local delegation and as he could not travel with the boys he concluded to forego the trip. This firm has in the past two years added greatly to its glass area, having now a total of about 160,000 square feet, with a very large area in roses and carnations. Ferns and a great variety of other foliage stock are also grown. Recently they have taken up the culture of gardenias.

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Alexander B. Garden, whose range is in the Anacostia section, continues to make great improvements. He is preparing to erect a large forcing house before cold weather sets in. He has his whole range equipped with concrete benches and has been greatly pleased with results. He is now cutting a good quality of roses for this early in the season and has a fine stock of carnations and chrysanthemums coming on. Harry Roby, his salesman, notwithstanding dull times, has been quite busy of late. A feature of the Garden range is the fine quality of Adiantum hybridum grown for cutting.

Albert F. Esch, a member of an old family of florists, located two years ago at 60-64 O street, N. W. He opened a store and erected 5,000 square feet of glass. Since that time he has been very successful and is now erecting two more houses that will bring his glass area up to 10,000 feet. He is preparing to force 50,000 bulbs. All his surplus stock is handled by the Washington Florists' Exchange of which J. Louis Loose is president and Albert Schnell manager. The exchange has the support of a number of the responsible men in the trade of this city and is branching out.

M. J. McCabe, who bought out the business of C. Schellhorn, is showing a good variety of stock. Albert Bay-

liss, formerly with J. Louis Loose, is now his rose grower. Mr. Schellhorn since his retirement has been taking rest and vacation and with his wife is now in Europe. Other European tourists from this city are J. H. Small and wife and Miss Marie Gude, daughter of Adolphus Gude, who is one of a party of graduates from a young ladies' college of Baltimore who are traveling with their teachers.

Marche & Co. at Fourteenth and H streets, N. W., have a very handsome aquatic and rustic display in their show window. It is artistically arranged on a background of rockwork. In the pond there is always a choice collection of water lilies and other aquatics.

Mr. Crawford of Robert Kift's store, Philadelphia, has been visiting his son-in-law, Frank Sly of the Center Market. G. Milton Thomas and Frank Sly are now partners in the retail business and conduct two stands in the market.

John Robertson is now well settled in his new store, 2010 P street, N. W. It is in a fine locality, near Dupont and Sheridan circles and Mr. Robertson will doubtless be as successful there as he has been in other locations.

Edward L. Bowers is now manager of the Pennock-Meehan store at 1212 New York avenue.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Passiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100

Plants from 2½-in. pots, \$3.00 per 100;

Chrysanthemums, White Cloud Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

Salvia, Bonfire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Ferns

Whitmani, 3-inch stock, 6c.; 4-in. \$1.50 per doz
Superbissima, 4 inch, 15c. 6-inch 25c each.

W. W. COLES,

KOKOMO,

INDIANA.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

Mention the American Florist when writing

ORCHIDS..

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: Oncidium Varicosum Rogersii, O. Marshallianum O Forbesii, Laelia Purpurata L. Cinnabarina, Cattleya Citrina, Odontoglossum Grand.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids, Cattleyas

Dendrobiums, Laelias, Odontoglossums.

G. L. FREEMANCO.

FALL RIVER, MASS.

OCONOMOWOC, WIS.—The feature of the opening session of the summer meeting of the State Horticultural Society here August 17, was an address by C. B. Whitnall, city treasurer of Milwaukee, with "Back to the Land" as his subject. Mr. Whitnall spoke of the value of gardening, both on private property and in public parks and school grounds. He urged the value of shade trees in consideration of public health and the beautifying of property. During the afternoon a garden-er's session was held. Addresses were given by E. H. Milnes, Oconomowoc, and Ernest Gozenbach, Sheboygan.

SIMPLY BECAUSE WE MUST HAVE ROOM

We Are Closing Out Our Orchid Stock

ENTIRELY. WE CAN STILL SUPPLY

250 Cattleya Trianae and 100 Cattleya Each	200 Cypripedium Leeanum, at	Each
Labiata, at	100	.50
Cattleya Schroederiae all sold.		
150 Cattleya Percivaliana, at	Balance sold.	1.00

They Are the Best Value in Orchid Stock You Ever Bought.
All established plants and warranted to flower.

CHARLES H. TOTTY, Madison, N. J.

Asparagus Primroses

Plumosos, 2½-in. pots	Per 1000	Per 100	Kewensis, Yellow	Per 1000	Per 100
Sprengeri, 2½ in. pots	\$ 2 00		Chinese and Forbesi	\$18 00	2 00
Ready Sept. 15.	2 00		Obconica Alba and Rosca		2 00
Pansy Seed, new crop	Per doz.		Obconica Gigantea	25 00	3 00
Giant Flowering	\$ 4 00				

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins. Grant La Favorite. R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poitevine Jaulin. Ricard Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100.

Whitmani Ferns 4-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates, 3 in., \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

VIOLETS

Gov. Herrick, Princess of Wales, fine	Per 100	Per 1000
field-grown plants	\$5 00	\$45 00
Lady Campbell	4 00	35 00

Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengeri.

2½-in. \$2.00 per 100; 3-in. for \$5.00

Celery and Cabbage Plants.

Best varieties \$1.00 per 1000; \$7.50 for 10,000

Parsley, double curled \$1.50 per 1000

J. G. SCHMIDT, Bristol, Pa.

ASPARAGUS

Asparagus Comorensis, 1-yr.-old clumps	Per 100	\$5.00
Asparagus Elongatus, 1-yr.-old clumps	5.00	

Fine stock for dividing up.

GEO. REINBERG, CHICAGO.
35 Randolph St ect,

Did You See It at Rochester ?

—NEW CARNATION—

"CHRISTMAS CHEER"

Easy to grow. Easy to sell.
It will make a fortune for you.

HENRY EICHHOLZ, Waynesboro, Pa.

DALLAS, ORE.—H. G. Campbell and D. L. Thomas will establish a nursery and greenhouse here this fall.

FERNS

FROM BENCH

Boston, Elgantissima, for 4-inch 10c; 5-inch 12½c.

Whitmani, Amerpohli, for 3-, 4- and 5-inch, 8c, 12c and 15c.

Scotti, for 3-inch 6c; 4-inch 10c.

Snapdragon, Giant White, Pink, Yellow and Red, field-grown, \$1.00 per 100.

Rubbers, 4-in. 20c. 5-in., 30c.

Asparagus Sprengeri, 2-in., 2c.

PRIMROSES

All 2 in. fine stock.

Chinese, Forbesii, Obconica a ba, Lilac, Rubra, Hybrida and Rosa \$2.00 per 100

Gigantea, Carminea, Kewensis Sanguinea, \$3.00 per 100.

Cash with order.

BYER BROS. Chambersburg, Pa.

FIELD-GROWN

CARNATIONS

Clean, healthy plants. Only a limited number to offer. Per 100
WHITE PERFECTION.....\$7.00
O. P. BASSETT..... 6.00

J. A. BUDLONG
39 Randolph St., Chicago.

Flower Colors

Use our COLOR CHART in describing them.
PRICE, \$1.00 POSTPAID.

American Florist Co.,
324 Dearborn St., CHICAGO, ILL.

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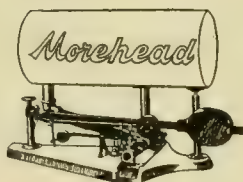
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Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

AZALEAS.

Azaleas, Jacs Smits, Naarden, Holland.

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Jerusalem Cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

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Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds, Grotzsch & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Chas. H. Totty, Madison, N. J.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Palms, Kentias, Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Robbink & Atkins, Rutherford, N. J.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Cheneceaux, France.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Peonies, leading vars. Gilbert H. Wild, Sarcocoe, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechslein, 4911 Quincy St., Chicago.

Colossal peppers, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

POINSETTIAS.

Poinsettias, established young plants, \$4 per 100; \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Poinsettias, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

PRIMULAS.

Primulas, obconica, 2-in., alba, rosea, hybrida, rubra, \$2 per 100. Gigantea, Carmine, Kewensis, \$3. Byer Bros., Chambersburg, Pa.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, Jacs Smits, Ltd., Naarden, Holland.

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RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 8, Mesilla Park, N. M.

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ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chatenay, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserlin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses, My Maryland, 3-in., \$5 per 100; P. Killarney, 3-in., \$5 per 100; V. Killarney, 3-in., \$7 per 100; K. A. Victoria, 3-in., \$7 per 100. Cash with order. Harry Heim, West Toledo, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonfire, 3-in., \$3 per 100. C. Eisde, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Seeds, Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-50 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Asters. Elmer D. Smith & Co., Adrian, Mich.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 32 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

Smilax, Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, J. Smits, Ltd., Naarden, Holland.

STEVIA.

Stevia, R. C., 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Bullhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, \$1 per 1,000. Parsley, Double Curled, 25c per 100; \$1.25 per 1,000. Cabbage, Premium Flat Dutch, Danish, Ball Head, Sure Head, etc., 75c per 1,000 in any quantity. Give us your order. We can please you. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VIOLETS.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

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Amling, E. C., 32-36 Randolph St., Chicago.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York. Good & Halliday, 74 E. Genesee St., Buffalo, N. Y.

Guttman, Alex. J., 34 W. 28th St., New York. The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York. McCallum Co., Inc., Pittsburgh, Pa.

McCallough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago. Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1206 Arch St., Philadelphia.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Trendley & Scheuck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Young & Nugent, 42 W. 28th St., New York.

Zoch & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Pochlmann Bros. Co., 33-37 Randolph St., Chicago.

Wiefor Bros., 51 Wabash Ave., Chicago.

Wirthold, Geo., 739 Buckingham Pl., Chicago.

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Albany, N. Y.—Eyles, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Phos, F. Galvin, Inc., 124 Tremont St. Brooklyn, N. Y.—"Watson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids, Mich.—Henry Smith.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Alpha Floral Co., 1105 Walnut St.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Milwaukee—C. C. Pollworth Co.

Montreal—McKenna.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—Alex. McConnell, 571 5th Ave.

New York—Myer, Florist, 609 Madison Ave.

Omaha, Neb.—Hess & Svoboda, 1415 Farnam St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

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St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heint & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Gem City Return Tubular Firebox boilers.
 The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenerville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit. Ideal coal for florists. Eldridge Coal Company. Telephone Harrison 5788.

Coal, Carterville Mine, Franklin County Mine, Southern Illinois Coal & Coke Co., People's Gas Bldg., 150 Michigan Ave., Chicago.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{5}{8}$ and $\frac{7}{8}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburgh, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers: \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

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Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

New Imported Florists' Baskets. The Radelein Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Twemlow's Old English liquid putty. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Wrought pipe and fittings, heating boilers, valves. McArdle & Cooney, 507 Arch St., Philadelphia.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

EVERYBODY'S PAINT BOOK (Gardner).—The author has given in this book easily understood instructions for painting anything from a board fence to a fine room and so well is it illustrated that almost every tool a painter needs is shown and described. The perusal of this book will save much money to those who have a bent for this kind of work. It contains 180 pages. \$1.

American Florist Co. 324 Dearborn St. CHICAGO.

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WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

THE ALLIED TRADES

Week's Steam Coal News.

Chicago.—With the rout in disorder of the forces of International President T. L. Lewis from the Indianapolis conference and the apparent supremacy of President Walker of the Illinois division of the miners' union in matters pertaining to coal mining in this state, the outlook for higher figures for steam coal is enhanced considerably. While it was confidently expected that the infusion of the personality of former leader John Mitchell into the controversy would tend to hasten the final opening of all the mines that are now idle in this state, this expectation did not materialize, but, on the contrary, reports emanating in the Indiana metropolis point to the feeling that John Mitchell and International President Lewis are far from working amicably. Charges and counter charges were thick and fast during the heat of the arguments. Reckless extravagance of the funds of the miners' treasury in years past was brought to light. These bickerings did not conduce to create a sentiment of good feeling and no headway was made up to the closing hours of the conference last week.

The early part of this week delegates to the convention were jubilant over the unqualified indorsement of the Illinois coal strike on the basis of the Peoria demands and the defeat of T. L. Lewis and the proposed compromise settlement. As a result of the action of the convention the Illinois strike will be continued until every operator in the state has signed contracts granting the original demands of the strikers. Both the operators and the strikers are preparing for a long contest, and it is predicted that consumers of steam coal will face increased prices before snow flies. The principal demands of the Peoria convention are, in addition to a raise of 5.55 per cent in wages, that the coal operators shall pay the wages of the shot firers, a differential of three cents a ton mine run in Franklin and Williamson counties, and a two cents differential in the "long wall" mines in northern Illinois. Coal operators insist that they "never have paid the shot firers' wages and never will." They object seriously to the differentials demanded, but virtually have agreed to the raise of 5.55 per cent some time ago.

Persistent rumors in Chicago indicate that a few of the larger operators, seeing no hope in continuing the fight with the miners, have about made up

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Preparation and Quality as They Should Be.

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Miners and shippers of the following grade of coal:

Sunshine,
 Indiana Brazil Block,
 Pocahontas,

West Virginia Splint,
 Youghiogheny and
 Southern Illinois.

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co.,

355 Dearborn Street,
 CHICAGO.

their minds to open their mines irrespective of what the majority of the other operators do. To substantiate their position they point out that the time is now at hand where they must have coal to cover their contracts entered into months ago.

Great Lakes Coal Shipments.

Shipments of soft coal for June, 1910, and the six months ending June 30, 1910, were 2,806,963 and 5,913,177 gross tons, respectively; these were also the largest on record for the periods named. Over 90 per cent of the season's shipments proceeded from Lake Erie ports, mainly from Toledo, Cleveland, Ashtabula and Ashland, and only about 10 per cent from Lake Michigan ports. About 56 per cent of coal receipts during the present season are credited to Duluth-Superior and Milwaukee, though considerable quantities found their way also to smaller Lake Michigan and Lake Superior ports such as Manitowoc, Green Bay, Escanaba, Ashland and Marquette. Receipts at Chicago during the season were larger than during previous years, totalling 187,284 gross tons for the six months of the present year. The shipments of hard coal for the month

and season ending in June, 628,026 and 1,567,789 net tons, mainly from Buffalo and Erie, were also larger than for the preceding years. About one-half of the hard coal received is credited to Duluth-Superior and Milwaukee; considerable quantities of this class of fuel are also taken by Chicago.

E. J. McQUADE, of the sales department of F. G. Hartwell Co., 1855 Peoples Gas building, Chicago, was absent from his desk this week, enjoying a vacation.

A. J. SCHOENECKE, president Illinois Heater & Mfg. Co., 35 Dearborn street, Chicago, makers of "Illinois" self watering flower boxes, was in attendance at the Rochester convention in the interest of his product; sales have been very brisk lately.

GEO. B. LIMBERT & Co., 557 Fulton street, Chicago, have in preparation a handsome and comprehensive catalogue of wrought iron pipe and pipe fittings, valves, and other steam pipe and water heating supplies, which will be mailed to the trade upon request, free of charge, as soon as it comes off the press. Mr. Limbert reports inquiries and business good.

Southern Illinois Coal & Coke Co.

**The Twins: Carterville Mine :: :
Franklin County Mine**

THEY DISTANCE ALL COMPETITION FOR FLORISTS' COAL.

For superb quality and preparation this coal cannot
be excelled in Franklin County or any other county

DAILY CAPACITY 3000 TONS

COLLIERY OFFICES:

Herrin, Ill.

GENERAL OFFICES:

Peoples' Gas Bldg., 150 Michigan Ave.,
Chicago, Ill.

BRANCH OFFICES:

St. Louis, Mo., Boston, Mass.

J. T. HUDSON, Jr., General Sales Agent.

A. A. Lavaque, the affable representative in Chicago of the Pittsburgh Plate Glass Co., is seen almost any day amongst the glass buyers; he reports business in extra good shape, sales keeping up to the producing point. Very little glass is in sight.

DEVORE & RAYNOLDS Co., 176 Randolph street, Chicago, advise that they are in good shape now to take care of orders for greenhouse white paint; they also put on the market green paint for preserving wire work. Prices will be furnished florists and the trade for the asking.

THE Illinois Malleable Iron Co., 1801-1825 Diversey boulevard, Chicago, through its advertising representative, J. R. Steneck, reports an extra good demand from greenhousemen and nurserymen for its line of pipe fittings and boilers. This company issues a very complete and instructive catalogue explaining goods put on the market used by greenhouse and allied trades, which will be mailed upon request, free of charge.

Newport, R. I.

Mrs. James B. Haggin gave one of the most elaborate and varied entertainments of the season at Arleigh, her summer home in Bellevue avenue, August 18. It consisted of a dinner and dancing, and the guests numbered 100. The floral decorations were a feature, 18,000 lilies and 4,000 American Beauty roses being used. Upon entering the villa, the guests passed between trees of American Beauty roses and were received by Mrs. Haggin in the drawing room, where there was a profusion of American Beauties

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand

Pulverized Sheep Manure



NATURAL GUANO COMPANY,

**The Ideal
Plant Food
for Florists.**

Write to-
day for
Prices and
Booklet.

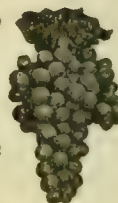
Aurora, Ill.

in vases. The dinner was served on small tables in the dining room and on the veranda. Each table bore a bunch of roses or of lilies. The large veranda was inclosed with curtains of oak leaves among which twinkled tiny electric lights. The ceilings of the dining

Has stood the test of over a Quarter
of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

**UNRIVALLED
FOR**
Vines.
Tomatoes.
Cucumbers,
all Flowering.
Foliage and
Fruit bearing
Plants.
Vegetables.
Lawns, etc.



The result of
many years
practical
experience.

**PERFECT
PLANT FOODS**

Sold by
Leading
American
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum
and Topdressing Manure**

Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

room and the veranda were hung with French baskets from which dropped garlands of lilies which were caught against the walls.



We are shipping orders for

Ventilating Machinery and Fittings

every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.

GREENHOUSES.

MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE J. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Birmingham, Ala.

Hugh Seales has returned from the greenhouses after a busy time doing a good deal of remodeling. Everything now is in fine order. David Hope, formerly grower for J. L. Parker has charge now and is demonstrating his ability as a grower.

Fred Johansen, who is at the head of the Birmingham Landscape and Nursery Co., reports business good. He has charge of the landscape department and Ernest Kohleberg has charge of the greenhouses and nursery.

J. W. Luther of Ensley, who does a landscape as well as a flower business, is taking things easy now and using his auto for joy rides. There is considerable rivalry in speed between between him and Geo. Luffman.

John Lambert, formerly manager for J. L. Parker, has gone to the Amzi-Godden Seed Co., Geo. Curry, formerly with the latter firm, having opened for himself at First avenue and Twenty-first street.

The florists are going on their usual picnic this year at the invitation of the Amzi-Godden Seed Co., through G. B. McVay, its president, who has promised them a good time.

Hugh Seales has been very busy of late, the wet season having delayed planting. A. J. Koenig has finished but J. L. Parker has more to do.

John Colmant has had a very successful season and has a large force of men working at grading and preparing for next year.

Miss Lottie Elliott, saleslady at J. L. Parker's, has gone to Texas for her health. All wish her a speedy recovery.

Wm. Skews has added one new greenhouse to his place and has everything in first rate condition.

N. D. Summerfield reports a fine business and his place, as always, is in good condition.

Miss Lottie Black has opened up a cut flower store at Five Points.

Ragner Bros. have added two new greenhouses this season.

ALA.

Do It Now

Send us your inquiries—we have ample dry stock—special machinery, good shipping facilities and will make you low prices and the very best quality of lumber—smoothly machined, properly cut and fitted, with full sized working details—let us quote you and refer you to some of the best known people in the trade who have used our

Strictly **GULF RED CYPRESS**

Free from Sap or Other Defects.

PLANS AND ESTIMATES FREE

Write us and find out how economical it will be to use our

Steel Trusses That Stand Up

Fittings, Glass, Putty, Etc., Ventilating Machinery.

PECKY CYPRESS For BENCHES

We are at your service—try us.

The Foley Manufacturing Co., 26th and Western Ave., Chicago

Call and see us when in Chicago. The largest plant in the world for our line of business.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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Is a wood that has come into very general use in

**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

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BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

Tell Them Where You Saw the Advertisement.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

New English roses of 1910, introduced by Wm. Paul & Son, comprise: Alice Cory-Wright (Hybrid tea).—Flowers of a pretty deep pink color, much resembling Mme. Caroline Testout, but differing in their larger size and greater doubleness. Vigorous and free. Elsie (Hybrid Wichuraiana).—Tender flesh pink, center a little deeper; perfect form and very lasting; a good acquisition among climbing roses. Juliet (Hybrid briar).—Very pretty novelty blooming in autumn as well as summer. Interior of rose a fine red changing to pink as it opens, outside old gold; the flowers are very large and exquisitely fragrant. It has been much admired at the shows. Portia (Hybrid tea).—The flowers are large, double, of a fine pink at the base of the petals, center of rose yellow. Fine for pot culture and exhibition.

The international rose meeting at Bagatelle, opened by the city of Paris June 18, was largely attended by rose growers from all countries. The jury was to examine the roses introduced in 1909, already noted in that year, and to judge them definitely after the two years of comparative culture, also the roses presented in 1910, for a first classification. None of the roses of 1909 was considered worthy of the Bagatelle gold medal, but certificates were awarded to the most remarkable in the following order:

Commander Jules Gravereaux (Hybrid remontant).—Cross of Frau Carl Druschki and Liberty. Strong, straight branches, thorns medium. Foliage fine deep green, stem strong and stiff. Flower very large, semi-double, velvety fiery red, lightly shaded maroon on the inside. The broad petals are deeply and irregularly toothed, which give the flower a peculiar appearance. Received a silver medal from the Association Lyonnaise in 1908, certificate of merit and gold medal at the Lyons exposition in 1908.

Seventy-four new roses of 1910 were offered, some of which particularly attracted the jury, and which will be definitely judged in 1911. This rose meeting is becoming a great international event in horticulture and its originators, Mm. Forestier and Graveureaux, received general felicitations. Our compatriot, E. G. Hill, and Peter Lambert have both been honored by the nomination of Chevalier du merite agricole by the French minister of agriculture.

Rose Viscountess Enfield. (Pernetiana).—Visitors to the Paris Bagatelle are entranced by the magnificent bloom of this new rose of 1910; its vigorous shoots produce long buds which open into large double, globular blooms of curious coloring, coppery old rose with yellowish blotches, the outer petals blotched carmine red, and some streakings of yellow showing in the heart of the flower. It is a chance seedling of Soleil d'Or.

Treat your plants for parasites one day each week, the same day, until it becomes a habit, says M. Ad. Van den Heede in the Moniteur d'Horticulture, and we shall hear less of their ravages! How simple to dust flowers of sulphur over the garden while the dew is on, to spray with a one per cent solution of essence of tobacco once a week!

Molly Sharman Crawford (Tea). Dickson.—Strong and branching bush, flowering fully, very large, double-white flowers of perfect form, with high center, with the outer petals recurved. For outdoor or pot culture.

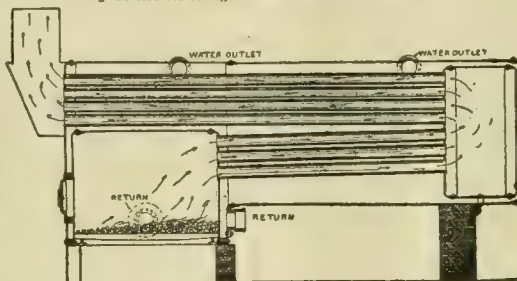
Mademoiselle Marie Mascuerand. (Hybrid tea). Bernaix.—Vigorous, erect plant, with bright green foliage, long, stiff stems carry very large, quite dou-

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
 $\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



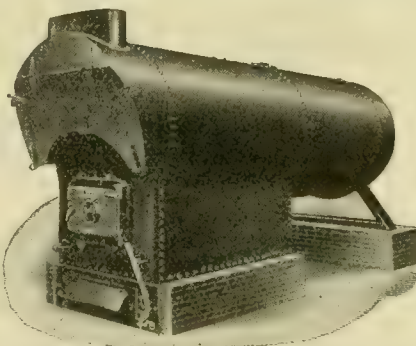
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

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The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.
DAYTON, OHIO.

— BURNED CLAY —
Tile Benches and Tile Bottoms
 Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
 Garfield Bldg., Cleveland, O.



**EVANS' IMPROVED
CHALLENGE
VENTILATING
APPARATUS**
 WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
 626-628 RICHMOND, IND.

ble flowers of flesh-white; form an elongated cup.

A double-flowered gloxinia illustrated in the Revue Horticole of June 1 has the corolla well doubled, the flower having some resemblance to a double petunia. This is the first time even a small percentage of seed has given double flowers and it is expected that the strain will be established in the near future.

Gaston Bonnier, professor of botany at the Sorbonne, has published his "Simple Method of Naming Flowers," (in French) comprising 372 photographs in colors and 2,715 in black, as a convenient means for persons without knowledge of botany to identify flowers.

Laciniate flowered cosmos, is a new variety of this neglected annual, which, even if it blooms late, compensates by blooming freely and long. The new mammoth strains, among them Lady Lenox, shade from white to purplish rose and make the autumn gay.

WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 181 East 26th St., NEW YORK.

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

Eremurus robustus in varying shades is shown plentifully in the spring exhibition in France and Belgium.

Rose Lady Alice Stanley (Hybrid tea).—Flowers pale flesh color inside, reverse of petals coral red.

Talk Your Heating Troubles Over With Our Trouble Man

HE can help you out. Heating troubles are his hobby, he thrives on them. If your boiler's draft is slow, tell it to him—if circulation in the coils is sleepy, tell it to him—he'll know how to wake it up. If you are burning too much coal for the amount of heat returns, tell it to him; he will give you a solution. Are you thinking of "changing your system"? Talk about it with him, get your advice now when you need it, not after the mistakes have been made.

Address your letter to
The Trouble Man,

Hitchings & Co.

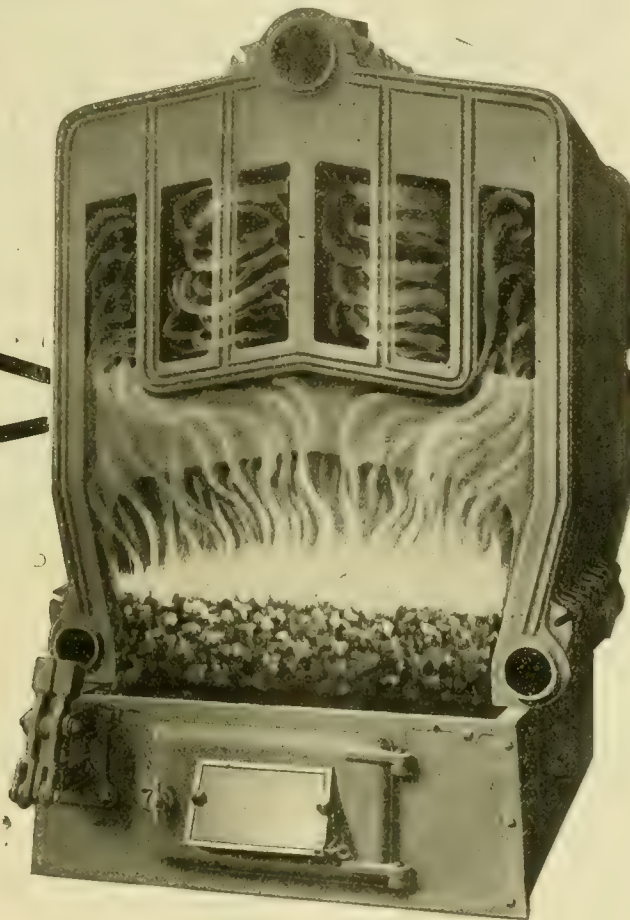
ELIZABETH, N. J.

Let us quote you on new and second-hand
BOILERS, PIPE, FITTINGS, GLASS,
Greenhouse Lumber, Tools, Sash, Etc.
METROPOLITAN MATERIAL CO.,
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THIS HALF

shows you the three times back and forth Burnham Fire Travel that actually is three times. By three times, we mean three times in each half of the boiler—actually a six times travel, you see.

Its this wonderful travel that sifts out practically all the heat from the gases, making hot coils and a cool chimney.



And This Half

shows that deep fire pot with its thick bed of coals and the deep waterways directly over the hottest part. It is the space between these waterways that makes the cross fire channels running from side to side of the fire chamber. It is these channels that lead to the side flue opening. It is these flue openings that prevent the burning gases from rushing to an outlet at rear of boiler making only the rear sections really efficient. **Every Burnham Section is equally efficient.** Get the word **equally**, fixed in your mind. The Burnham is a greenhouse boiler made for greenhouse work. Send for catalog.

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THE KROESCHELL BOILER

is the only perfect

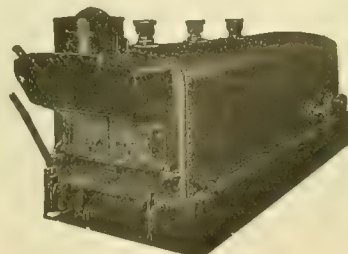
HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.

452 W. Erie St CHICAGO



British Awards for Japanese Gardens.

On Thursday, June 30, the president and council of the Royal Horticultural society visited the Japan-British exhibition for the purpose of inspecting the Japanese gardens and the horticultural exhibits, says the Gardeners' Magazine. As the result of their visit they awarded silver cups as follows: To Keijiro Ozawa, of Tokyo, for the design of the "Garden of Peace" and the "Garden of the Floating Islands;" to Hannosuke Izawa, for the construction of these gardens; to the Tokyo Yen for the design and construction of two miniature gardens; to the Yokohama Nursery Co. for a collection of dwarf trees in pots, and for a dwarf specimen of *Thuia obtusa aurea*, 125 years old; to S. Hayashi, Kioto, for a pair of bronze garden lamps; to Senker Agawa, Kioto, for an imitation dwarf pine used in ceremonies; to Nippon Yusen Kaisha, for a garden of artificial flowers, and to the Girls' technical school, Tokyo, for an arrangement of artificial flowers.

Overcome By Flowers.

The fainting of two choir singers at a big wedding recently, because of the overpowering odor of the masses of flowers used in the decorations of the church, was far from being an extreme case of the exhalation of blossoms acting as an acute poison. It is not the only instance of this sort. Some time ago an actress was asphyxiated by the perfume of 3,000 California violets; say 30 times the number a woman would have in a corsage bouquet. Choir singers of experience recognize the danger that lurks in great masses of blossoms, although they think lightly of it in a large church edifice. They have been known, however, to decline to sing in a room where all the flowers were concentrated in a comparatively small space. In a large church a few hundred gardenias can cause actual distress to the supersensitive. The equally powerful, but much less agreeable, odor of narcissus is just as trying. None of these three flowers should be placed in a sickroom, and it is well to go slow with violets and Easter lilies. Roses and carnations are less objectionable; but making the sickroom a "perfect bower of flowers" is bad for a patient.

Medical science offers few interesting examples of fatal asphyxiation by the perfume of flowers. There is at least one notable case in literature. Zola allows one of his heroines to commit suicide in precisely this fashion, and it may be accepted as technically correct. A born photographer of human life, Zola was not likely to picture such a scene as the passing of Albine in "La Faute de l'Abbe Mouret" without being sure of his basis of fact. The abbe, it will be recalled, goes back to the church to seek pardon for his lapse into wrongdoing. While he pacifies his soul in the deepening twilight, Albine wanders in the forest, and as she leaves it the perfumes rising from her garden on the evening air put the notion into her head that the flowers she loves shall bring her death. She fills her bedroom with roses and other fragrant blossoms. Then, after shutting the room tight and stuffing all the cracks in the door and windows with mints, balsam, balm, and vervain, she covers her bed with tuberose and hyacinths, heaping four chairs which she ranges beside it with poppies, heliotrope, marigolds, and four-o'clocks. She masses violets on a table by her pillow, lilies go on another in like profusion, and the sofa is lost under a burden of red and white pinks and wall flowers. Over all, right and left,

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
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Telephones: Lincoln 410 and 411.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

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358 Dearborn Street, CHICAGO.

The Regan Printing House LARGE RUNS OF CATALOGUES

OUR SPECIALTY
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91 Plymouth Place, CHICAGO

she flings the roses, and then lies down to die on her hyacinths and tuberose. In the morning they find Albine dead.

Selika in "L'Africaine" commits suicide in the same way. When she sees Vasco da Gama sailing off to Portugal, she lies down under a manchineel tree and lets the poisonous exhalations of its blossoms soothe her unto death. The geography of the last two acts of "L'Africaine" is a bit uncertain; but, assuming that it was Madagascar, what was a new world tree doing there in those days? Nor does the upas tree, whose very name, *Antiaris toxicaria*, suggests its deadliness to those who linger long beneath its flowered branches, flourish there; that belongs in Java.

On the whole, it looks as if poetic license has been taken with the royal poinciana, which is a native of Madagascar and has the gorgeousness of bloom pictured in the last act of "L'Africaine."

Another operatic heroine, she of the title role of "Lakme," dies of flower poison; but it was from eating, with suicidal intent, the flowers of a species of datura, a sort of Indian cousin to the American jimson weed.

Desirable as it may be, though, to die a "beautiful death," trying to leave life by the flower route is a good deal of a gamble. Idiosyncrasy, as physicians admit, has a not unimportant bearing on toxicology, and it would be somewhat embarrassing for the would-be suicide to go to the expense of buying thousands of gardenias and arranging them in death-dealing fashion, only to discover that what was another's poison had no more than a mild, asphyxiating effect.—Thaddeus S. Dayton in Sunday Magazine.

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Silver, Green
Cotton, & Green
Lacquered Wire.

Syringes, Wire-Shears, Pincers, etc. at
VERY MODERATE PRICES.

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PRICE LIST FREE ON APPLICATION

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Manufacturers of Wire and Wire Goods,
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122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in *Glass-ware, Pottery, Decorative Greens* and all *Florists' Requisites*.

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

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Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for
Carnations, Dahlias, Golden Glow, Peonies
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. BROOKLYN, N. Y.

Plant Bed Cloth

For Florists Gardeners, Truck Farmers,
etc. Protects from frost. Best shade in
summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

H. BAYERSDORFER & CO.

 **Florists' Supplies.**

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Always mention *The American Florist*
when you order stock. ■ ■ ■

Excellent Goods for Service



This is our Trademark and is Registered in the U. S. Patent Office.

Twemlow's Old English Liquid Glazing Putty. Hammond's Slug Shot, sold by Seedsmen, kills Aster bugs, Sow Bugs, Cabbage Moths.

HAMMOND'S PAINT & SLUG SHOT WORKS,

Fishkill-on-Hudson, N. Y.

Holds Glass Firmly
See the Point 45°
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00.
VAUGHAN'S SEED STORE
Chicago or New York

Nashville.

Business has held up remarkably well the entire summer until within the past two weeks which have been somewhat dull. The supply of flowers has been fair, though some carnations and roses have been shipped in. Gladioli are about the only flowers grown outside this season. There has been entirely too much rain for the field grown asters, but very fine stock has been grown under glass; really the finest ever grown in this section.

All growers are holding back the winter stock of roses, but for a short while Geny Bros. have allowed some of their White Killarney and Killarney to come on and they were very fine.

THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

SIEBERT'S ZINC Never Rust GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

They have a fine house of Beauties for winter trade. The Tulane hotel is being entirely changed and renovated and this firm, which has been in the building a number of years, will give up its store there and move further down town. The present store is rather small for the business done. It is only 18x50 feet. They will move January 1 to 212 Fifth avenue north in the midst of the business district. The new store there is 20x100, which will give far greater facilities. Their removal will take from this part of Church street the trade which was established by G. W. Currey, pioneer in a great many departments of the floral business, in 1875, and who did

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507 Arch Street,

PHILADELPHIA, PA.

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And all Appliances for

GREENHOUSE HEATING.

Catalogue on Application.

business on the corner opposite the Tulane.

The Joy Floral Co. has experimented with My Maryland rose and as a summer bloomer it has been very satisfactory so far. This firm also has some fine Kaiserin which it is using for summer stock. M. C. D.

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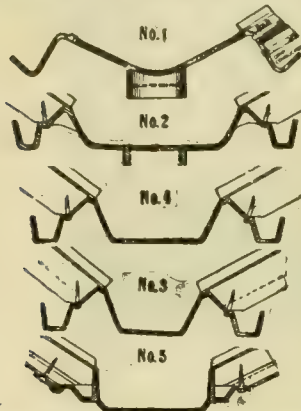
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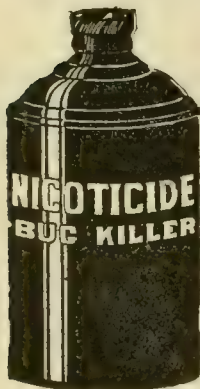
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Bug Killer and
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Owensboro, Ky.

*green Flies and
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The tank is made of galvanized sheet steel, and in brass.
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Non-poisonous and harmless
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Destroying Greenhouse
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Is due to the hearty endorsements of
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THE AMERICAN FLORIST



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Vol. XXXV.

CHICAGO AND NEW YORK, SEPTEMBER 3, 1910.

No. 1161

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TWENTY-SIXTH YEAR.

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meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 18-25, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
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THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
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Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
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HALF HOUR CHAPTERS FOR FLOWER GROWERS

Early Chrysanthemums.

The advent of the extra precocious varieties of chrysanthemum has led to many growers planting them as a catch crop in summer, following them with violets or other winter crops. It is easy to get them cleared off in time for violets, sweet peas or mignonette, and thus the benches are made use of for two or three of the summer months when otherwise they would be useless. But in order to reap the full benefit of the system no time must be lost when the chrysanthemums are cut, but they must be cleared off right away and preparations made for the succeeding crops. If violets are to be planted new soil will have to be brought in and the same applies to mignonette, but for the sweet peas possibly by the addition of some new soil the old can be fixed over to carry the crops. It will, of course, be necessary to look out for sufficient stock plants of the chrysanthemums for next season's supply and the plants must be either flatted up or planted out on a bench. Almost any kind of treatment does for them now, but toward the spring the plants for stock will have to be brought into a good light position in order to get suitable wood for propagating. If placed in pots they can be moved around as becomes necessary and this is usually the best thing to do with these very early kinds.

Poinsettias for Cutting.

There is usually some demand for cut poinsettias in every store at Christmas and the retailer who has some glass should devote a bench or a part of a bench, according to his demand, to this plant. The old stock plants from which the cuttings for pot plants have been taken are quite good enough to plant up for cutting from if young stock is scarce. They should not be disturbed directly after cutting but when they have started to grow freely again some of the old soil should be shaken off the roots, the strongest roots cut back a little and the plants set out firmly on a bench already pre-

pared. The soil need not be extra rich as feeding at the surface may take place later, but it should be firmed well when planting to induce a hard and short jointed growth. The plants are sure to be tall enough before flowering. Plant about one foot apart and take up from two to three shoots from each. After planting shade lightly for a few days and spray frequently but do not water the roots much until they begin to run freely in the new soil. Remove the shading and keep plenty of air on night and day when the plants become well established.

Hardy Plants.

The drought of the past few weeks in the middle west has been very trying for the grower of hardy herbaceous plants for cutting from. The hot sun takes the color out of the flowers and shrivels the growth in many cases, while it is usually impossible to either shade or water sufficiently to keep the plants in good condition. All that can be done in most cases is to keep the surface soil moving so as to form a layer of dry soil that prevents the loss of moisture or to lay on a mulch of half decayed manure to keep the sun out of the soil. In most cases this latter will be useless until we get rain in sufficient quantity to moisten the soil well, but when it is moist the mulch can be put on and will prevent the moisture escaping. Young seedling stock of pyrethrums, daisies, asters, delphiniums, coreopsis and other kinds require the greatest care, for unless they make a free growth during late summer and early autumn the plants are small and weak for planting out in spring. A thorough soaking of water when it can be done will do wonders for this stock and this, too, can be mulched after the soil is moistened. Seed can be sown now of campanulas, Shasta daisies, pyrethrums, sweet williams, wallflowers, Alyssum saxatile, candytuft, centaurea and others and will make nice stock for protecting over winter and planting out in spring.

Antirrhinums.

Young seedling or cutting stock of these plants in preparation for planting out next month must not be neglected. If the plants have been standing close together in a pit or frame they should be given a new stand and picked over, also topped if they show a disposition to run up unduly. Should they be getting potbound and the benches are liable to be delayed then the question of giving them a shift into larger pots should be considered. We do not like to do this if it can possibly be avoided, for not only does this cause extra work and expense in the potting, but they are more trouble to handle and plant out later. But it is wrong to allow them to become hard in the pots as they do not start well after planting out. If neither plan is feasible it may be worth while to turn the plants out of the pots and lay them in flats with a little loose soil around them as advised for maidenhair ferns. The roots will escape and form a "wig" in the loose soil that gives them a fine start when planted out quite different to that obtained by planting potbound stock.

Violets.

The scorching heat of the past few weeks has certainly given violet growers their troubles, whether growers of single varieties in the field or of the double kinds on the Marie Louise order. Respecting the latter varieties, the old idea of growing them in the sun and giving hardly any shading has given way to the more sensible and natural plan of shading heavily while the plants are making their growth, whether under glass or in the open. The violet is never found at its best in hot, dry places; it naturally delights in a cool and somewhat shaded position, while during most of the summer, its growth is shaded by other vegetation. This is the kind of atmosphere that growers should endeavor to keep up around their plants and by the admission of plenty of air at all times to so consolidate the growth that the crowns will be full of fine, strong flower buds in the fall. Where the young stock has been planted at half distance, or where the plants are still on the propagating benches lose no time in getting them into their flowering positions. When the plants are taken out in the case of double planting let the holes be filled at once with clean new soil made firm. The watering is an important point now. The plants are growing freely and need plenty of moisture at the roots, but the grower should be careful not to allow the border to become sodden. If possible so regulate the amount of water given that the plants are looking for it every day or two. Heavy soakings that render the soil wet for a week are wrong no matter what the votaries of "thorough" watering may say. It is necessary to be always on the watch for side shoots and pull them off in order to throw the entire strength of the plant into the center crowns. Should slugs or snails appear sprinkle a little dry soot and lime around the plants and lay traps of bran, lettuce leaves or pieces of cut potato, but do not feed the plants as yet.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Can It Be Done.

ED. AMERICAN FLORIST:—

In your issue of August 6, page 51, a correspondent asks "Can it be done?" We say "No, not for long." For a man who sells below a living profit to kill his brother florist is only building a gallows to hang himself. Such a man should be tarred and feathered and this would be too good for him. Yet there is room in the world for us all. Frederickton, N. B. J. B.

Handling Funeral Orders.

There are many rush days outside of holidays when orders keep coming in so fast and the list grows at such a rate that it seems doubtful whether the stock will hold out or deliveries be made on time. This is often the case



W. L. Rock, Kansas City, Mo.

Treas. Florists' Telegraph Delivery Association.

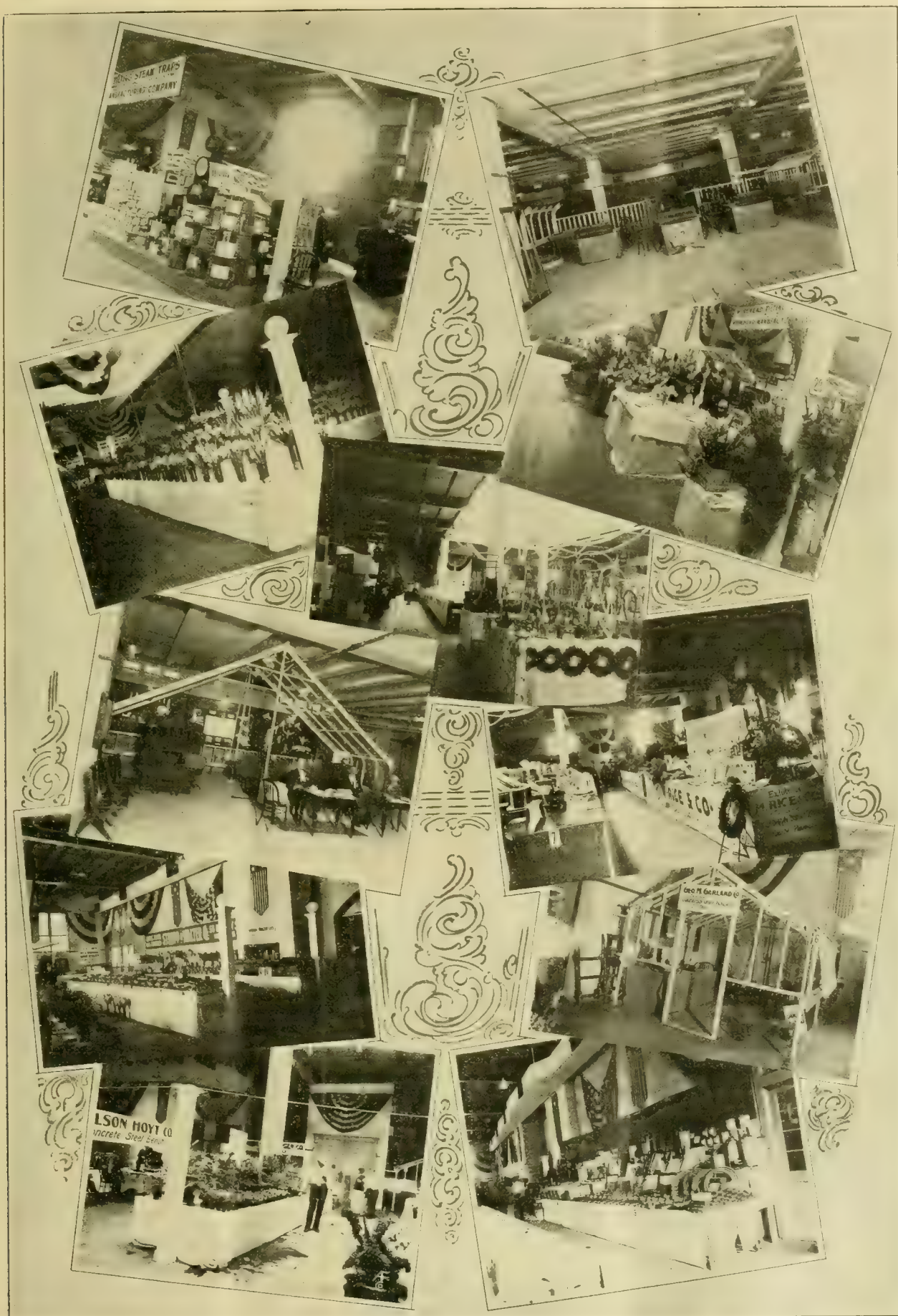
when work is for funerals, the ordering of which is often left to the last minute. This is the time when the makeup galax, magnolia or boxwood wreaths help out wonderfully. With an assortment of sizes of these on hand, quite a pretentious piece can be got up in a very short time, by the addition of roses, lilies, asters or any of the flowers in season. A few cycas leaves will add considerably to some pieces and in many cases a bow of ribbon will give a finish and help out a scarcity of flowers. All this is but the work of a few minutes and has a great advantage over the close set pieces which take so many flowers and consume so much valuable time in their arrangement. When the orders begin to mount up, talk wreaths and clusters; you want all the orders you can get and you prefer those that are easiest to make and most profitable. Cycas leaves are also a staple and a good stock of assorted sizes should always be on hand. The prepared imported stock is frowned down on by some dealers but it is used in large quantities and in many cases is more showy and satisfactory than the fresh cut cycas. It is well,

however, to have a pair or two of these in stock as they are always more or less in demand and will always command a good price.

Wheat sheaves are another staple that should be ready to show at all times. A good sized sheaf nicely made and trimmed with choice flowers makes a very appropriate emblem for an old person, just a few flowers, each one perfect and generally all of one kind, such as half a dozen lilies or a few rather full blown roses. If the flowers are white and a purple ribbon is used, as is best for an aged person, then a few purple flowers at the ribbon, to match it, are necessary.

Asters are now to be had in all shades in quantity and are very popular for sprays. Quite a good deal of taste and skill can be shown in the arrangement of asters. They have fairly stout stems and as a rule very pretty clusters may be tied without their being wired, but for large single or double sprays they are handled and can be placed better when wired, a rather dense bunch being lightened up considerably by pulling or bending the stems, so that many of the flowers are given prominence that would otherwise be hidden. In arranging the cluster it is not necessary to bind in every flower as added; let the bunch grow until it has attained some size, a good strong handful, then several wraps enough to hold them firmly. If it is to be a large spray and is becoming unwieldy let it lay on the counter or bench and add to it there, binding without lifting. In this way the flowers are not disarranged. Care must be taken, however, that sufficient backing has been added to stiffen so that it can be handled safely. An extra large arrangement is better made in two parts, into what is called a double spray. These are placed together, the stems bound firmly, and a number of extra flowers and green added as a large bow of ribbon is attached to give it the finishing touch. A pair of cycas leaves, underneath each spray and projecting beyond, increase the efficiency and add considerably to the selling price.

In the arrangement of flowers many seem to want every flower to have the same prominence. Bunches of this kind look too much as if they were made in a mould. A beautiful bouquet must be in some respects like a fine portrait or photograph, full of light and shadow, some points made prominent, others kept in the background. This is one of the most difficult things for the beginner to learn and only comes with practice and observation. In arranging flowers in a vase get the ends of the stems together and place them in; give them a shake so they do not lay too close together, add a spray or two of green and you can hardly improve on this or get as good results in any other way. Aster clusters of one color are given character by the addition, just where the ribbon is tied, of a spot of another color or a dozen or so of valley, a few flowers of *Lilium album* or perhaps a few sprays of white clematis. To all of these there should be attached a trifle of narrow ribbon the same color as the flower. Where the card is pinned on the ribbon a sprig or two of lily of the valley and maidenhair tied with baby ribbon makes an attractive finish. K.



TRADE EXHIBITION AT THE ROCHESTER CONVENTION.

Giving Partial Views of the Exhibits of the King Construction Co., Benjamin Hammond, Lord & Burnham Co., E. A. Beaven, John Lewis Childs Morehead Mfg. Co., B. Hammond Tracy Hitchings & Co., S. S. Pennock-Meehan Co., W. J. Boas & Co., M. Rice & Co., Kitts Mfg. Co., Stumpp & Walter Co., Geo. M. Garland Co., Wilson Hoyt Co., Storrs & Harrison Co., John C. Moninger Co. and Henry F. Michell Co.

Convention Echoes.

Friday was the day for which all the boys were waiting and the way they turned out fully taxed the capacity of the rolling stock of the electric road to Manitou. The grand rush for the refreshment booths when the cars arrived at Manitou fairly took the waiters off their feet and they had hard work to keep some of the eager and hungry ones from invading their working room, but there was plenty for all and everybody was well served. The brand of Rochester brew was excellent and in constant demand.

The baseball game was a great burlesque and would have made a headliner as a vaudeville attraction. In playing ability Will Graham was almost the whole show. His bowling experience stood in good stead and his two home runs were the features of the game. The Rochester boys must have neglected batting practice for if the balls had been even larger they would not have hit them. As one spectator expressed it, "They couldn't hit a balloon."

The fat man's race did not go to the fattest man. The turn around the flower pots was difficult to negotiate; the winner had the inside and got so far ahead after making the turn that he stopped and looked around to find where the rest were. W. A. Manda, who occupied the outside position, took a circle almost large enough to land him in South Orange, N. J.

The presentation speech of Ex-President Hill to President Pierson was very much enjoyed by all and delivered in a very happy manner notwithstanding the interruptions and imputations of prevarication which were very pleasantly passed over. President Pierson's acceptance was as happy as the presentation.

The Baltimore delegation was full of enthusiasm and were carefully noting what "to do" and what to "don't." From remarks overheard the ladies who attend next year will be tendered plenty of attraction and have an opportunity to appreciate southern courtesy and southern chivalry.

It was baseball night at Ontario Beach, but it was a question whether the national game enthusiasts outnumbered the florists at Rochester's Coney Island for but few of the cars in the roller coaster and other attractions but contained their quota of wearers of the florists' buttons.

The programme of sports contained many contests unknown to the visitors but all the mystery was soon solved and the home boys found many worthy competitors in their guests and the latter succeeded in carrying away a fair proportion of the prizes.

J. B. Deamud of Chicago was a grand success as self-appointed starter in the pipe race, with the result, which he no doubt desired to accomplish, of mixing things up generally. It took the committee several minutes to straighten things out.

Many faces were missed from the convention Thursday, but were again to be seen Friday. Upon inquiry, it was found that the trip to Niagara and return was too great an attraction to be missed.

"Meet me at National Flower Show, Boston, March 27-April 1, 1911," was

the bye-word of the boys from the Hub, and the inscription on the large blue buttons which they so freely distributed.

The Boston boys were glad to meet their old fellow members in the persons of Larry Cotter and Bob Berry who received many a hearty handshake.

The card party of the Chicago delegation was not seriously disconcerted by the smoker being cut off at Toledo. The game was continued on a baggage truck at the Toledo depot while the contestants waited for the buffet car of the second section.

The fireworks were greatly enjoyed by those who stopped to witness them, but after the three previous strenuous evenings many were so tired that they did not stay to see the pyrotechnical display.



Miss Margaret Vesey, Fort Wayne, Ind.
Second Vice-President Ladies' S. A. F.

The committee on excursions is to be congratulated upon the successful manner in which every detail was carried out.

The bowling contest was a "howling" success in the strictest sense of the word.

The ladies' race had its usual amusing features. E. A. W.

Great International Show in London, 1912.

It has been decided to hold a great international horticultural show in London. It will open May 22, 1912, and continue for eight days. The king has consented to act as patron and the undertaking is being actively supported by large numbers of wealthy English people interested in gardening. Nothing of the kind has been held in London since 1866, and after so long an interval it is confidently expected that the show will result in a great success. The site will occupy about 20 acres favorably situated in the west of the metropolis. Amateurs, gardeners and nurserymen of all countries are invited to take part. The schedule of prizes is in course of preparation and will be issued as soon as possible. The secretary is Ed. White, 7 Victoria street London, S. W., to whom all inquiries for further details should be addressed P.

THE CARNATION.

The Carnation Year Book.

Most of the special societies for floriculture in England issue an annual and the latest is that published by the Perpetual Flowering Carnation Society, bearing the above title. For a first attempt it is a very creditable publication. Portraits of the president, Lord Howard de Walden, the chairman, J. S. Brunton, and others are given. The literary matter is interesting and varied. P.

Lifting and Planting.

The planting season is at its height now. Most carnation growers are busy getting in their plants, making preparations or watching and bestowing extra care on those already in. A few essential points to bear in mind to meet the difficult problems connected with this work may now be in order. Make sure that the benches are in good condition, also allow for ample drainage. Half-inch spaces between the boards at the bottom of the benches are not any too wide; these will close up considerably after the soil has been in some time and the steady watering has caused the boards to swell. Thorough cleanliness is also a very important point. Clean out from underneath the benches any rubbish and particularly pieces of old rotten wood which if left laying around is one of the best breeding places for wood-lice or sow-bugs.

Whitewash the inside of the benches with good fresh lime and repair any part of the house and renew any glass so that the newly planted plants can be given the right amount of air and there will not be any danger from flooding of the soil in the benches from heavy rains. The question of soil is an important point and requires considerable study. Enough lasting nourishment has to be put into it to sustain the plants for a long period, at the same time not too much so as to cause an abnormal growth before the roots of the plants have a fair chance to properly assimilate its elements. Soil heavily charged with an over abundance of green cattle manure, coupled with the necessary watering and damp atmosphere that has to be given to the freshly planted stock, will cause stem rot among the plants very quickly. The point, therefore, is to allow for a live soil but not one heavily charged with humus.

The question of lifting the plants in the field has been gone over so many times in these columns that it seems superfluous to refer to it here, yet for the beginner this is one of the most important features. Care should be exercised to save intact all the roots possible, also to guard against drying out during the interval between digging and planting. Shading of plants directly after planting is an absolute necessity for them to take a quick hold of the soil and for this purpose there is nothing better than just plain mud and water thrown on the glass. It can be easily put on again if washed off by rain before the plants have a good hold of the soil. It can also be removed quickly when the time comes. In setting the plants pay particular attention to the spreading out of the roots. This has much to do with the



FRANK BANNING'S GLADIOLUS NIAGARA AT THE ROCHESTER CONVENTION.

plants' well being in after growth.

Water each plant directly at planting time so that the water works well down to the roots; then allow for the soil to dry out again before repeating. Continual light syringing of the plants two or three times a day to keep them plump should also be followed up to hasten root action, but guard against unnecessary wetting of the surface of the soil. Watering and syringing should be two distinct and different operations. Guard against draughts both from open ventilators and doors. Just after planting we find it a good plan during the heat of the day if the wind is blowing to carry a little less ventilation and open up wider at night-fall when there is not any danger from storms. As soon as the plants take root hold remove a little of the shading, also keep the surface of the soil open by continually working it.

C. W. JOHNSON.

Carnations in the South.

If carnations are not housed by now no delay must be allowed in getting this done. The rainy spell we are just passing through, and which has lasted almost two months, has been far from ideal for plants in the field. It has been well nigh impossible to keep down the grass and weeds and the plants have made a growth too soft and rapid for their own future good. Still every cloud has its silver lining and conditions would have been much worse if the sun had been as strong as usual. The plants may be a little weak owing to the continued cloudy weather but are better that way than in the condition I have seen them after heavy rains followed by bright, strong sun. Great care will have to be exercised in the lifting to save the roots as much as possible and see that the houses have a good, heavy shade, also. A clay wash is as good as anything for this purpose.

Have the soil in the houses in good shape for planting, neither too wet nor too dry, and let little or no time elapse between lifting and planting. The job of planting should not be hurried, a little extra time taken to spread

the roots instead of crowding them into a ball being time well spent. Some growers after planting give the beds a thorough soaking and others again just water at the base of each plant. Both are good if well carried out, but in the condition the plants are this year we prefer the latter method. We find it well to leave all the top ventilators open day and night, but keep the side ventilators and doors closed in the daytime while the plants are being established. After sundown everything may be thrown wide open. The plants will require spraying a few times a day probably, but don't overdo it as this makes fine conditions for stem rot to develop. With a heavy shade less spraying will suffice.

The plan of some northern growers using little or no shade and depending on frequent spraying and dampening down of the houses to bring the plants through will not work out down here.

The sun is altogether too powerful. After a week or 10 days the plants should have begun to make new roots when the shade can be gradually reduced and soon all the ventilation possible given. Just a word of warning, which should be altogether unnecessary, but in too many cases unfortunately is not: Have the houses thoroughly clean before planting and weeds and rubbish of all kinds (and this includes soil that may have fallen through the cracks when emptying) entirely removed from under the benches. We never look for much on top when underneath the benches are in a filthy condition. WM. LEAR.

Carnations for Christmas.

ED. AMERICAN FLORIST:—

How should I proceed to have a crop of carnations for Christmas? Should they be planted by a certain time or does it depend upon disbudding and pinching back?

C. U.

The present is a good time to plant carnations for winter use and the plants, if properly looked after, should be in full crop for Christmas. Disbudding is a detail of culture that has to be kept up right along whenever the plants start to flower, but probably little in the way of pinching will be necessary if the plants have been properly prepared in the field.

G.

Red Spider in Field Carnations.

ED. AMERICAN FLORIST:—

What is the best remedy for red spider in field carnations?

C. U.

We believe there is no better remedy for red spider anywhere, inside or out, than clear, cold water, vigorously applied with the hose. Preventive measures in the field are a good supply of water to the roots, frequent cultivation and the constant suppression of weeds which act as breeding places for the insects. Spraying with tobacco water, lye-sulphur solutions and various insecticides, are often recommended, but they are far more expensive and more troublesome than the use of water and clean cultivation.

G.



EICHHOLZ'S CARNATION CHRISTMAS CHEER AT THE ROCHESTER CONVENTION

CHRYSANTHEMUMS

Calvat's Chrysanthemums.

We understand that Ernest Calvat's large collection of chrysanthemums will, owing to his recent death, be placed under the care of M. Remy, a well known grower of Grenoble, who will look after them in the interest of the widow. P.

Seasonable Work.

Taking the buds is one of the most important items of the chrysanthemum grower's work at this time. Plants that have received the right attention as regards keeping the side shoots and early buds taken out on time are now fast setting their main buds. Those on the early varieties should be well advanced by this time and any that are not already taken must be attended to as quickly as they are large enough to handle safely to allow for the blooms to mature at their proper season. The early varieties to be a success must be on time at their flowering season. If they are late enough to run over into the season of the second earliest which are much larger in size and better in finish they suffer considerably in comparison. Polly Rose, Glory of Pacific and the other Pacific sports should have the buds taken as fast as they appear. Pacific Supreme, Gloria and Robt. Halliday are budding up quite prominently and in a few days the pink and white Ivory Miss Alice Byron, Nellie Pockett, Cheltonii and Mrs. H. W. Buckbee will be ready to take. Timothy Eaton, Yellow Eaton, Col. D. Appleton, Golden Eagle, Maud Dean, Dr. Enguehard and most of the mid-season varieties will be ready about September 1 or a few days later.

The late varieties will be two or three weeks before the buds are ready, but in the meantime the work of taking out the side shoots and properly supporting the plants must be followed up closely; also keep the soil at the roots in an open, friable condition. The new beginner together with many an older hand is often puzzled with the bud-taking process. Taking the bud as it is termed means the selection or leaving the bud to mature into the flower, and it is well to bear in mind that the early bud produces a fuller though shorter and more narrow petaled bloom and of much lighter color than the later buds, so that a pink variety will have a very much deeper and generally better color from a late bud than from an early bud but at the expense of the size of bloom. The red and bronze varieties are almost without exception better from late than early buds.

The fact of the plants setting the buds means that the wood is ripening up, consequently a little variation in the treatment is necessary. Less syringing and a little less water at the roots should now be the order. Water and syringe during the forenoon so that a dry atmosphere is insured before nightfall. The ripening of the wood will cause the plant to send out numerous suckers at its base, also side shoots wherever it has a chance. These should be carefully looked after and removed at every opportunity before they sap the

strength away from the plant. Give all the air possible at this time but be careful of draughts. Also keep the insecticide sprayer going continually so that there is not the slightest chance for the aphids to get down into the newly formed buds. Any plants that still need to be supported should be taken care of right away to get it done in time for the stems to straighten out before the petals begin to show.

The specimen exhibition plants need every encouragement from now on to show time. Give ample ventilation, water well every time the plants require it and give a weak application of liquid manure twice a week from now. This will give size to the plant and blooms. Watch for red spider on the underside of the leaves, also continue the spraying with insecticides as with the benched stock. Support any of the branches of the plants that



Benjamin Hammond.

need it and make preparations for the final tying and staking. Pick off any yellow or dead leaves on both the pot grown specimen plants and the plants in the benches. Grasshoppers are very troublesome just now and the only way to get rid of them is to catch them by hand and destroy them and occasionally a few hairy caterpillars make their appearance on the underside of the leaves. These can easily be removed. Cutworms are also sometimes bothersome by chewing out the top of the plant. These pests work by night but can usually be found by scratching away a little of the soil at the base of the plant.

C. W. JOHNSON.

Color Chart.

The disadvantage of the "Repertoire de Couleurs," published by the French Chrysanthemum Society, is its size and the loose leaves, thus rendering it difficult for handling in the garden and greenhouse. At the forthcoming congress of the society the question of a pocket edition is to be considered. P.

THE ROSE.

Prepare for Cool Nights.

Usually around the first of September the nights begin to grow cooler and through the eastern and middle states, according to the locality, the weather is often such that a little firing becomes necessary. So by all means have the boilers in readiness at any time from now on, so that a fire can be started at a moment's notice. There is one great advantage in having the rose houses heated by steam: and that is the ease in which mildew can be kept down by the use of sulphur painted on the pipes; the fumes quickly fill the houses and very often we are able to take advantage of a cool, rainy day to start a fire for the sake of the sulphur fumes, which will do more good towards curing or preventing a dose of mildew than by using sulphur in any other way. It is a hard matter to get the good results from sulphur by painting hot water pipes—unless the hot water is under pressure; therefore, if one has any serious trouble resulting from mildew it would pay to install a small steam boiler and run a one-inch pipe in each rose house for sulphuring purposes.

Perhaps it may be noticed when cultivating the early planted stock at this time that the roots are at, or very near, the surface of the soil. Very frequently this occurs between the periods of cultivating and these tender little feeders should not be disturbed. If this should be the case the soil can be rubbed over with the hands and a very light top dressing of some old well-rotted manure can be applied very lightly, barely covering the soil. This will keep the soil from baking and will prevent the accumulation of a green scum on the surface. Keep an eye on the plants most susceptible to "black spot" and keep the plants well tied and the walks and surroundings dry. Also use plenty of air slaked lime sprinkled around. If the plants show a few black spots do not make the very common mistake of withholding the water too suddenly, which would give the plants a greater check. Very often a dose of black spot is brought on from irregular watering. Letting the plants become too dry and then soaking them will cause them to black spot quicker than anything else. Give the Beauties plenty of air and dry surroundings, also plenty of water, and keep the green fly in check by using the nicotine liquids diluted according to directions, applying it with a spray pump with Bordeaux nozzle. A tank holding several gallons of water with spraying device attached does not cost very much and for destroying green fly it will be found very economical and at the same time the insects can be destroyed without closing the ventilators or without the slightest injury to the tenderest shoots. Fumigating can be started when it becomes cool enough to close the houses.

As the days grow short and the evenings become cooler one must have a care in reference to syringing the Beauties. Every other day during the cool spells will be often enough to syringe if the foliage is at all dense, but

when syringing is done give it to them thoroughly and early in the morning. A few flowers can be allowed to come here and there when the plants of the young stock are exceptionally strong. They must also be kept clean and carefully tied. Keep on disbudding the small plants till they catch up to the others.

E.

Bride Rose Plants Injured.

ED. AMERICAN FLORIST:—

I am sending you a Bride rose plant, one of a batch of 400 that were benched about June 10. They were somewhat mildewed when received from the wholesaler and were potted for about six weeks before benching. I dusted them with sulphur and the mildew is almost gone. The plants have been watered individually till about a week ago. Have given air on both sides of roof in day and one side at night. Have syringed once every bright day, and tried to give enough water without overdoing it. There are about a dozen affected like the sample. The house is a three-quarter span with raised benches and runs east and west. There is a very light shade on the south. Ventilators, hinged at the ridge, are about $2\frac{1}{2} \times 3\frac{1}{2}$ feet and placed alternately. Temperature sometimes goes over 100° . Any advice as to the treatment of the roses will be much appreciated.

R. S.

The plant sent was simply a dried up dead scrap with a little soil when it arrived here and it was quite impossible to give any idea as to what caused the injury from such a specimen. When young stock is mildewed at the start it stands a very poor chance in the race and many growers—if the attack is at all severe—would not run the risk of planting such stock but would obtain clean plants. If "R. S." only loses a dozen out of a batch of 400 he must consider himself fortunate and the best thing to do is to pull the diseased plants out and plant fresh, clean ones. We cannot find space in answer to a query to go into the whole matter of rose culture as the season's work so far has been fully treated on in the rose department and "R. S." should look this up in back numbers. "Plant nothing but clean, healthy stock," is an axiom that all successful growers know the value of. The man who starts out with mildewed plants is handicapped from the beginning.

G.

The Call of the Garden.

The cultivation of flowers and vegetables is becoming a leading feature in the life of all Londoners, at all events, of the working classes of London. Unemployed workmen have taken to cultivating all the vacant plots; artisans who have finished their day's work hurry home to enjoy their own little garden; clerks and business men do the same, and we even hear that at Plaistow, the girls of the neighborhood are devoting their Saturday afternoons and some of their evenings to little plots, eight feet square, which seem to be available in one of the streets there. London is without doubt the "garden city" of the kingdom. Even in the Strand we have a vast wild rock garden, now covered in all parts with a great variety of British and exotic flowering

plants. Doubtless most of the seeds came from the nosebags of the neighboring cab-horses.—Journal of Horticulture.

dendrobis and cypripediums about which more later. Many of the Trianaes have flowered upon the imported pseudobulbs and there are others now



HYBRID AMARYLLIS, MARTINIUE.

Amaryllis Formosissima X A. vittata Raised by Luther Burbank.

Orchids at Chas. Bond's, Naperville, Ill.

We have always confidence in the outcome of a business venture when a man understands his work, goes into it heart and soul as if he meant it and has a good partner to help him out. This is the case with Charles Bond, who last April started in orchid growing for the Chicago market at Naperville, Ill., a pretty little town about 20 miles from the western metropolis. Mr. Bond has had a wide experience in orchid growing, being the son of a famous English orchid grower, T. W. Bond, and having grown them in England, France, Germany and in this country. He certainly is a worker, as may be seen by the elegant condition of the plants, while Mrs. Bond is a most charming partner, just as interested in the success of the undertaking as he is. This is the combination at Naperville, and unless we are considerably out in our reckoning, it is going to be a great success.

There are at present two span roofed houses, 25x100 feet, filled with orchids and already Mr. Bond has visions of a larger range in which he will grow a larger collection. Coming to the plants there are, approximately, 2,500 Cattleya Trianae, 2,000 C. labiata, 1,500 C. Mossiae and a smaller number of C. Schroderae, C. Bowringiana and a few choice hybrid forms in large established plants. There are also some

flowering, but this seems to make little difference to the young growths, which are coming away in elegant shape. The flowers already cut have not been, of course, of first class quality. This could not be expected when the fact is considered that they were forming on the voyage home and at the expense of the stored up nutriment in the bulb. But they have been good enough to sell well and to make Vaughan & Sperry, the wholesalers of 60 Wabash avenue, Chicago, to whom Mr. Bond ships all his flowers, anxious for more. They have done more than this; they have shown that the plants have been collected in the right locality and are of the best strain of this popular species, some very fine color varieties as well as an albino having flowered already.

The plants are grown mostly in 6-inch pots, well drained and about two inches of osmunda fiber placed very firmly with the dibber. In this solid compost the plants root strongly and well and specimens only potted a few weeks are already rooted well all through. But what interests the grower most particularly is the great number of excellent growths pushing up all over the plants, six, seven and eight on each. C. Schroderae was doing remarkably well and there will be quite a number of flowering growths on this next spring. There will also be many Trianaes that will flower

again this winter, while the labiatus are already showing the double sheaths characteristic of this popular species. Cleanliness, fresh air and abundance of atmospheric moisture form Mr. Bond's formula for orchid growing, and that he is right is abundantly proved by the condition of his plants.

Among the dendrobiums we noted some healthy looking stock of *D. infundibulum*, a species in the way of *D. formosum* but with longer stems and producing more flowers to the stem. *D. formosum* is throwing up fine shoots and also flowering on the imported bulbs. But it is doubtful if any of these black haired dendrobies will ever be a success under cultivation for long, the cutting away of the stems with the flowers being very weakening. *D. bigibbum*, an Australasian species not unlike *D. Phalenopsis*, is doing well and there are also a few choice yellow cypripedium in signe, cœlogynes and some new hybrid forms. But it is to the cattleyas that Mr. Bond looks for his chief demand—he is far too old a hand to try and make money out of a botanical collection.

FLORISTS' FERNS.

Cultural Notes.

Late summer is quite a busy season for those who grow florists' ferns in quantity, from the fact that at that period much of the moving from flats to pots is done in preparation for the fall trade. Strong growing species, such as most of the pteris group, do not require so much time in order to make salable plants as the various aspidiums or lastreas and consequently the latter kinds should be among the first to be potted. *Aspidium Tsussimense* and *A. aristatum variegatum* are both among the most satisfactory plants for fern pans. *Aspidium Sieboldii* is another of strong and distinct character, and much endurance in the dwelling, but all three of these ferns are somewhat slow-growing in the early stages. In fact it will frequently be found that these ferns are nearly a year from sowing until they reach a usable size, whereas some of the pterises will reach a useful size in about half that time.

Aspidium Tsussimense is probably the hardest of florists' ferns in common use, it being frequently found in presentable condition in a fernery after all the other ferns in the pan are dead, and it really seems a pity that so good a fern should be so often seen in the fern pans that are sold by Brooklyn department stores at 29 cents apiece. But if the growers are satisfied to fill the pans in question at such a price that they may be retailed at 29 cents, it is their own affair; still one would not expect to grow suddenly wealthy at such rates. But it must be admitted that a great many small ferns may be grown in quite a small space, and if the succession of crops is well followed up, so that the bench space is well occupied, there may be a reasonable profit in the operation.

But to return to the question of potting and growing the ferns, rather than to the prices at which they should be sold, it may be said that potting off seedling ferns from the seed pans or

flats in which they have been growing up to this time, is a tedious operation, for the young plants have to be separated from each other with some care and then potted so that the crowns are not buried too deeply in the soil. The potting should be fairly firm, and the young plants promptly watered in and protected from the wind until they have time to recover from the root disturbance to which they have been subjected. In potting off such stock in quantity it is well to arrange that the work will be well balanced, by having some careful boys to separate the small clumps of seedlings ready for the potters, the latter being experienced in their part of the work, and able to keep the plants well worked up on the potting bench, so that there shall be no accumulation of plants with their roots exposed to the air, and a sufficient number of helpers to remove, set away, and water in, the young plants as rapidly as the potters fill their flats. Large quantities of this class of stock are grown in frames during the summer very satisfactorily, the pots being set on fine ashes and the plants protected from the weather by being covered with sash, the latter being shaded with whitewash or whiting and oil.

Under such conditions the frames need plenty of ventilation, and this is usually secured by building a light framework about one foot above the sides of the frame, upon which the sash are laid. If the plants are put out in the frame at once after potting, less ventilation and some care in watering will be needed for overwatering is likely to sour the soil, and too little will stunt the growth of the plants, and also encourage an attack of thrips. But once get the young ferns established and rooting freely, and they can stand a lot of water, and also an abundance of fresh air both day and night. The frame grown crop should, of course, be used up first, for they should all be out of the way before the possibility of sharp frost, it being no small job to empty a lot of frames of 2 or 3-inch ferns when there is danger of frost, besides the question of finding space for them in the greenhouses at that period.

Ferns of larger growth, for example, the Boston fern and some of its numerous relations, may also be handled under the frame system, and will make

a nice stocky growth in the frame, provided that they are given plenty of light and air, and also that plentiful watering is not neglected. This larger stock is more under control if the pots are plunged in ashes or some other cool material, and there is also less danger of their suffering from dryness when thus protected. Well rooted Boston ferns will also enjoy a mulching with well-rotted stable manure, the latter having been turned over times enough to allow the excess of ammonia to escape. Fresh manure may injure the young fronds of the ferns, but a mulching with old manure will be thoroughly enjoyed by these plants, for they are by no means so fastidious in regard to manure as we of the older school once thought them.

W. H. TAPLIN.

Nephrolepis Marshalli.

A beautiful sport of *Nephrolepis Amerpohli* has appeared in England, having been exhibited by the well known firm of H. B. May & Sons of Edmonton, before the Royal Horticultural Society and awarded a first class certificate. In describing it, the *Gardeners' Magazine* calls it the most beautiful of all the nephrolepis and says it is bound to become popular in private gardens even if it does not prove a good market fern. Its wide fronds are very finely divided and plumed so that each frond looks like a piece of the most exquisite moss.

Juvenile Ferns.

Among the important questions we all are called upon at times to answer, according to a correspondent of the *Fern Bulletin*, is the oft recurring one, "Whom does the baby look like?" and at no time is this question more perplexing than when the infant under discussion is a fern, for often it bears so slight a resemblance to its parents that only an intimate friend of the family, familiar with its characteristics, would dream of the relationship between them.

One of my first experiences with these deceptive juveniles was with the maidenhair. This was the one fern that I had always felt perfectly sure of for there seemed no possibility of ever mistaking it for anything else, so when in a cool, shady ravine I found some small ferns resembling maidenhair but with the rachis undivided, I immedi-



NEW YORK AUTOMOBILE PARTY.

J. A. Evans, Richmond, Ind., Bob. Schultz, Madison, N. J., A. Pierson and M. Henshaw: Leaving W. Twenty-eighth Street, New York, August 14, a. m., Arriving in Rochester, at Seneca Hotel, August 16, a. m.

ately jumped to the conclusion that it was the rarer Venus hair instead of that of a common maid.

To be sure, my trusted authority (Clute) questioned the finding of this fern as far north as New York and this was not only New York but central New York at that, but might not I be the happy discoverer of a new station? But as specimen after specimen was revealed to my searching glance the conclusion forced itself upon my reluctant mind that such abundance in a place so easily accessible could hardly have been overlooked by botanists and that these were, after all, only the youthful progeny of the beautiful but common *Adiantum pedatum*. Ah well! they were very charming even though no fame attended their discovery.

About the same time I found some tiny ferns with blades perhaps an inch and a half long, tapering both ways from the middle and so frail that after they were pressed their reality was only proven by their perfection. I puzzled over them for some time, comparing them with this or that, until one day it flashed over me that they, too, were babies, resembling in "build," at least, their parent, the York York fern, and now that it is impossible for me to longer evade the disappointing fact that rare ferns are not common nor readily found I find much pleasure in the tiny forms that often set me guessing their identity.

The Christmas fern (*Polystichum acrostichoides*) is one that can hardly be mistaken unless in the very earliest stages of growth, though contrary to many precedents the juvenile forms lack the grace of mature fronds; but the youthful progeny of *Athyrium filix foemina* must seem to their lady mother like the changelings of a fairy tale so little do they resemble the parent plant. But all this applies only to those ferns that are reproduced by spores.

The young plants produced by the bulblets found on the fronds of the bulbiferous bladder ferns, or from stolons, as the ostrich fern; or from rooting tips of the mature fronds as the walking fern, are much more mature from the first than sporelings and are quite like children masquerading in their mothers' gowns.

To one whose opportunities for study in the field are limited by time or strength to places easily accessible the study of these fern children is especially alluring, for long after the possibilities of a haunt have been exhausted both in species and varieties the search for these fairy changelings may continue with the confident expectation of finding at least occasionally a new form; and it is quite possible for one who has the desire and something less than eternal patience to raise them in pots of moist mold from spores, but I fancy very few of the millions of spores produced ever develop and fewer still reach maturity, for out of 46 prothalli that I started in a pot only two produced fronds and they were short-lived.

MAYNARD, MASS.—Mrs. Isadore F. Goodnow's greenhouses were torn down recently.

JOLIET, ILL.—A. C. Rott says business is fine at the store, considerable funeral work and a good deal of this for the Elks, being the leading line. The indoor carnations at the J. D. Thompson Carnation Co. are in fine order and good Enchantress, Rose Pink Enchantress, White Enchantress and Beacon are being cut. The field grown stock also looks elegant, as do the chrysanthemums, with the exception of Golden Glow, which has not done well here this season.

To Be Done Now.

IN THE GREENHOUSES.

Do not keep early forcing bulbs in the bags, but flat them up without delay.

Watch newly top-dressed rose benches and see that the bottom soil is not allowed to dry out.

Sow mignonette for pot work and cut flowers.

Pot up Boston ferns from the benches that have to be used for winter crops.

Keep the tying well in hand on the rose benches to prevent crooked stems. Be careful not to bunch the plants up too much.

Feed chrysanthemums liberally now and up to the time the color of the florets shows.

The cool nights of late August and early September give a good chance to sulphur for mildew.

No spraying is permissible in the rose houses after from 1 to 2 p. m., according to the weather.



The Late Frederick Katoll, Buffalo, N. Y.

See Last Week's Issue, Page 241.

Never leave old leaves or flowers of carnations or roses about on the benches as they are very apt to breed thrips and other injurious insects.

Sow sweet peas for winter flowering.

Keep poinsettias cool and in a good light to prevent drawing and keep the plants stocky.

Cut back the regal and show pelargoniums and insert the prunings for cuttings if short of stock.

Remove the shading on the carnation houses as soon as the plants are established.

Cuttings of *Vinca major* root freely now and make useful stock for spring bedding.

OUTDOORS.

Keep the garden tidy by removing annual plants that have passed their best.

Prepare a place for the bulb flats and also plenty of plunging material and long labels.

Remember that light frosts are due at any time after the end of August and be prepared with covering material.

Prick out seedling German and English wallflowers, *Campanula pyramidalis* and other biennials and perennials.

Repair garden walks and solidify surface before the heavy rains of autumn are due.

After the end of August no tender stock is safe outdoors and it should be removed to frames where it can be covered or to the greenhouse.

Sow pansies again and prick out the earliest ones in frames or protectors, also myosotis, *Alyssum saratile* and other spring flowering subjects.

Prepare the quarters carefully for replanting peonies.

Insert cuttings of *wiegela*, *cornus* and other deciduous flowering shrubs.

Keep the tomatoes off the ground when possible to prevent the fruit being damaged and assist its ripening.

Always leave the soil pile well rounded up at night, as in case of heavy rain the soil will be soaked and rendered unfit for use.

See that newly transplanted evergreen shrubs do not suffer from want of water.

A New Nitrous Product.

At Mulhausen, Alsace, there is being manufactured a new nitrous product for use as fertilizer, in the shape of a nitrate of aluminium, the combination of nitrogen and aluminium being obtained by a new process invented by M. Serpek. The inventor first studied the preparation of carbide of aluminium, which he obtained in the form of yellow crystals by heating a mixture of alumina and carbon in the electric furnace. This carbide, like the other carbides with which we are acquainted, has the property of fixing gaseous nitrogen and thus gives nitride of aluminium. To obtain an economical production of this latter, he does not isolate the carbide of aluminium, but after the formation of this body in the electric furnace it is at once mixed with a fresh quantity of alumina and is then treated with nitrogen gas. He thus obtains masses which contain 20 to 24 per cent of nitrogen. Under the influence of atmospheric oxygen and moisture we have ammonia given off, which is transformed by bacteria into nitrates and alumina.

The inventor is working the new process in a small factory which he installed, and has realized some interesting results during the last year. He now produces crystallized nitride of aluminium which has a high percentage of nitrogen—as much as 34 per cent. An advantage of his process is that we do not need to use pure nitrogen, which requires an expensive plant of Linde or other machines, but the gas from the producer is employed, this containing 77 per cent. of nitrogen and 23 per cent carbon monoxide with a little carbonic acid. Thus we have a very simple and rapid process for the crystallized nitride.—Scientific American.

OBITUARY.

Edward F. O'Hara.

Edward F. O'Hara, for over 20 years head gardener in charge of the George N. Norman estate at Newport, R. I., died at his residence on Fir street August 17. The funeral services were held August 20 at St. Mary's Church, a large number of his friends and former associates attending. The deceased was a native of Lancashire, England, and came to this country 27 years ago. As a gardener he was particularly successful in the transplanting of large trees, some of the fine beeches at Belair being living monuments of his skill. A widow, two daughters and a son survive him.

HARRISBURG, PA.—J. A. Kepner is adding to his greenhouses; his latest addition being 23½x168 feet.

THE AMERICAN FLORIST

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CONVENTION SOUVENIR ALBUM.—Chas. H. Vick, who designed and edited the convention souvenir album in addition to his exacting duties as superintendent of the trade exhibition, advises us that there are a few copies left which will be mailed to members of the Society of American Florists, as far as they go, on receipt of 10 cents to cover postage. Address Chas. H. Vick, care of James Vick's Sons, Rochester, N. Y.

Stocks After Chrysanthemums.

ED. AMERICAN FLORIST:—

Would it be wise to plant stocks to follow chrysanthemums, as well as peas and snapdragons? C. U.

Certainly, if you have a demand for them and room to grow them. Stocks in winter require careful culture and a light, cool, well-ventilated house.

Monument to Ernest Calvat.

In recognition of the services rendered to horticulture by the great French chrysanthemum raiser, Ernest Calvat, it has been decided by the French National Chrysanthemum Society to start a subscription list to raise the necessary funds for the erection of a monument to his memory. Those of our readers who desire to contribute are requested to send their subscriptions to C. Harman Payne, 141 Wellmeadow Road, Catford, London, S. E., England.

Brussels Exhibition.

In connection with the Brussels international exhibition there will be held September 24-27 a large fruit show. The schedule comprises a large number of classes for fruit and vegetables with many prizes in the form of medals up to the value of \$40 each. American visitors should avail themselves of the opportunity. On October 29 in the grounds of the exhibition there will also be held a chrysanthemum show. This will be open five days. There are 135 classes and valuable prizes up to \$100 are offered. Besides chrysanthemums, orchids and other flowers will be shown.

London International Exhibition.

We understand that the International horticultural exhibition which is now being promoted will be opened May 22, 1912, and it will remain open eight days. These days will include a portion of Whitsunweek, from Whit-Monday until the following Thursday. An admirable site in the west of London, providing an area of something like 30 acres, has been secured, and it is expected that the lease will be signed at an early date. It is intended to appoint sub-committees to represent various districts in these islands for the purpose of raising subscriptions and guarantees. The question of privileges to be granted to guarantors and subscribers is now under consideration by the executive committee, and particulars will be published later.—Gardeners' Chronicle.

Looking Hence One Year.

Baltimore, Maryland, is very proud because it was selected as the next convention city of the S. A. F., as evidenced by the following item appearing recently in the Baltimore American: The selection of Baltimore for the next meeting place of the S. A. F. again shows the popularity of this city as a convention center. The coming convention of the florists will be at once unique and pretty. The convention hall will be decorated with the choicest pot plants and cut flowers, thereby adding a touch of nature and beauty. Each of the local florists and growers will have exhibits and these will not be confined entirely to plants and flowers, but will include the choicest work of the fancy basket maker and decorative manufacturers from all parts of the country. The potteries will also have exhibits of their products, which will include the various styles of receptacles for plants. Of late years great progress has been made in this industry. There will also be exhibits of paper, both waxed and

plain, as well as ribbons, fern dishes and many other things that the florist is daily called upon to supply. The date for the convention next year has not been announced, but it is believed that it will be held about this time of the year, as the florists have their dull season in August.

Twenty Years Ago.

SEPTEMBER 1890.

The Florists' Hail Association had over 2,000,000 feet of glass insured.

The Chicago delegation to the Society of American Florists' convention at Boston was delayed by a broken rail on the train by which it was traveling to the Hub.

A cut flower exchange for Boston was being talked of.

"Sober Thoughts After Boston," by the late John Thorpe, made interesting reading and showed the deep insight into things possessed by the lamented "Uncle John."

"What a beautiful odontoglossum!" "That isn't an odonto-what-you-call-it; that's an orkeed!" (A. F.)

The gladioli being grown by Haillock & Son were beginning to attract attention in England.

William Holmes, the secretary of the English National Chrysanthemum Society, died September 18.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Ansonia, Conn., September 17, 1910.—Annual dahlia exhibition, Intertown Dahlia Association, Assembly room, City Hall.

Boston, Mass., September 23-25, 1910.—Autumn exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston. Address Wm. P. Rich, Horticultural Hall, Boston.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, First Regiment Armory, Michigan avenue and Sixteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., September 22-23, 1910.—Dahlia exhibition, Connecticut Horticultural Society, Unity Hall. Address Geo. W. Smith, Melrose, Conn.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Address Geo. W. Smith, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. Address R. Carey, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Club, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., September 15-17, 1910.—Annual fall exhibition of the New Bedford Horticultural Society, Odd Fellows hall. Address E. E. Pierce, New Bedford, Mass.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicoll street, New Haven, Conn.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Egelson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show. Pasadena Gardeners' Association. Maryland hotel. Address Angus McLeod, 1632 Alleen avenue, Pasadena, Calif.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition. St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition. Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Nixon, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Buffalo, N. Y., September 6, 8 p. m.—Buffalo Florists' Club, Saturn hall.

Butte, Mont., September 9.—Montana Florists' Club, Columbia Gardens.

Cincinnati, O., September 10, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Dayton, O., September 5, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., September 5, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., September 5.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., September 9, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., September 6, 3:30 p. m.—State Florists' Association of Indiana, State House.

Louisville, Ky., September 6, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Moline, Ill., September 8.—Tri-City Florists' Club, home of J. Staack.

Montreal, Que., September 5, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardian's building, 211 Sherbrooke street, west.

New Orleans, La., September 7, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., September 7.—Newport Horticultural Society.

Omaha, Neb., September 8, 8 p. m.—Omaha Florists' Club, City Hall.

Philadelphia, Pa., September 6, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

Pittsburg, Pa., September 6, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, September 6.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., September 6.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., September 6, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

St. Louis, Mo., September 8, 2 p. m.—St. Louis Florists' Club, H. J. Weber & Sons Nursery Co.

Washington, D. C., September 6.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By first-class rose grower; life's experience; Beauties or Teas; can furnish best of references; three years in present place. Address Key 195, care American Florist.

Situation Wanted—Oct. 1st, by middle-aged German; lifetime experience in greenhouse, fruit and truck gardening; can furnish best references; private or institution. GARDENER, 45 Penn Ave., Sharon, Pa.

Situation Wanted—By all-around florist; German, single; 25 years' experience in this country; first-class grower of cut flowers; carnation section preferred; best of references. Please state wages in first letter. Address Key 193, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting, growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address Key 144, care American Florist.

Help Wanted—A rose grower to work in rose sections; state wages without board. COLE BROS., Peoria, Ill.

Help Wanted—Designer and decorator for high class trade; good wages to right party. IDLE HOUR NURSERIES, Macon, Ga.

Help Wanted—Two good, experienced potters; good wages and steady job for the right parties. MOSBEK GREENHOUSE COMPANY, Onarga, Ill.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—A gardener and florist to take charge of a small greenhouse and institution grounds, also vegetable garden. Address STATE PUBLIC SCHOOL, Owatonna, Minn.

Help Wanted—At once, a young man to assist me as an all-around greenhouse helper; state wages expected in first letter; also references. EDWARD TATRO, 407 East Iron Ave., Salina, Kansas.

Help Wanted—For September 1, young man to take charge of bulb growing department; steady job if handy in perennials; must be reliable and sober; near Chicago. Key 197, care American Florist.

Help Wanted—At once a good fast potter; one who has had experience in growing a general line of stock; state wages wanted; only sober, steady man need apply. STUPPY FLORAL CO., St. Joseph, Mo.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe. SUPERIOR MACHINE & BOILER WORKS, 840-850 W. Superior St., Chicago.

For Sale—Two connected greenhouses, each 24 x 100 feet, on land 150 x 350 feet; steam heat; in thriving village, on junction of two trunk railroad lines. C. A. SIMONDS, Houseman Bldg., Grand Rapids, Mich.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00, cash. Key 174, care American Florist.

For Sale or Rent—12,000 feet of glass in good repair; steam heat; cause ill health; apply THOS. ALLEN 2238 Winona Ave., Chicago.

GARDENER WANTED.

Thoroughly competent man to take charge of place in which roses, carnations, chrysanthemums, orchids, general stove and greenhouse plants and fruit are grown. There are 10 houses on the place, including conservatory and palm house, with two assistants and night watchman and other help as needed. Married man preferred, one without children or with only small family. Only men of the best habits and character considered. Address, stating wages and full particulars. Key 198, care American Florist.

CALIFORNIA

Party with \$2,000 to \$7,000 to invest can obtain a fine connection in old established and prosperous business having splendid properties.

Party must be energetic, and with some knowledge of the florist, nursery and seed trade, or having other business ability. Useless to answer unless you can prove qualifications in first letter.

Key 196, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Wanted.

A first-class florist capable of handling retail flower store. Must be good designer and decorator as well as good salesman. State age, experience salary expected and give references in first letter.

Key 194, care American Florist.

WANTED.

A seedsmen who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs, Iowa.

To Seedsmen

David S. F. Adam, for the past ten years in charge of one of the departments of J. M. Thorburn & Co., New York, has resigned his position. He and his family will enjoy a couple of weeks vacation; after which negotiations with any first-class firm requiring the services of a thoroughly qualified seedsmen will be in order. Address

Key 199, care American Florist

SECOND-HAND BOILERS

We have in stock all kinds of Fire Box, Tubular and Cast Iron Boilers, with all Fronts, etc., suitable for greenhouses, mills or factories. Write for prices.

RYAN BROTHERS, 545 W. Lake St., CHICAGO.

FOR SALE.

A well established greenhouse, ready for occupancy, fully equipped with all modern improvements, steam heat throughout, greenhouse office and 7-room residence; has five acres of ground, has all necessary out buildings city water and sewer connections; six blocks from main part of the city; a bargain for experienced florist, no competition within 40 miles; for information write

W. M. STEVENS, Clinton, Mo.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Poehlmann's Orchids

LARGEST STOCK IN THE WEST

And All the Time Getting Bigger

Beauties, Valley, Roses

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead for quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities and the quality is the Poehlmann Quality and head and shoulders above everything else on the market.

Easter Lilies and Valley all the Year. Our arrangements for a perfect supply of these popular flowers all the year round have long been perfected and we can always take care of your orders.

Chrysanthemums. Our plants never looked better. We shall have a grand supply in all varieties. **Carnations** Our field stock is perfect and never looked more promising. We shall be in crop early in September. **Green Goods of every description. Everything Home Grown.**

Poehlmann Bros. Co.

Office and Salesroom,
33-35-37 RANDOLPH ST.
CHICAGO.

Long Distance Phone, Randolph 35

Chicago.

Trade during the latter part of last week was distinctly dull and although some lines of choice stock, such as orchids, valley and the best class of roses were in demand, there was a decided slump in others. Local retailers had nothing but funeral work and many of them not much of that, so their demand was limited and there was also a distinct falling off in the shipping trade to out-of-town points. Roses are improving every day with the cool night temperature to help them while asters help the scarcity of carnations. Some of the latter from stock grown indoors all summer show a great improvement over those that have come to the market recently, the ever popular and ever sought for Enchantress being certainly the finest so far, though White Enchantress and White Perfection show up fairly well. The reds as yet have little to recommend them, but will doubtless improve as the best wanes. There are more wild flowers coming to the market now, such as the snake root (liatris) and various yellow composites, than at any time during the season, but they are not much wanted, except to make a cheap window display. Orchids are still scarce.

Market conditions during the present week continue practically unchanged except that American Beauty roses are in larger supply and of better quality. Carnations are in good demand with little stock offering. Asters of good quality are arriving in large quantities. Chrysanthemum Golden Glow is offered at a few houses and moving slowly at \$1.50.

Good field-grown carnations are reported very scarce.

NOTES.

Poehlmann Bros. Co. say there is a good demand for roses. Bride and

Bridesmaid are said to be very scarce owing to the extended planting of Killarney, White Killarney and My Maryland.

W. E. Lynch, of E. H. Hunt's, returned August 29 from a two week's outing at Corey Lake, Mich. L. R. Bohannon, who accompanied him, will return later in the week.

Hoerber Bros. are cutting some very good Killarney, White Killarney, Mrs. Jardine and Richmond roses. This firm is also offering a very good grade of asters.

ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.

Send for Quotations.

CHAS. W. McKELLAR

51 Wabash Avenue.
CHICAGO.



John Zech's ankle was injured by an automobile, August 27, and although the injury is not considered serious, Mr. Zech is confined to his home.

C. W. McKellar is receiving a fine lot of asters and a limited supply of cattleyas. A large crop of the latter will be ready in a few weeks.

Peter Reinberg is well stocked with American Beauty in long and medium sizes. A few carnations have made their appearance here.

Geo. Reinberg has a heavy cut of American Beauty roses of good quality.

Summer Flowers

**New Beauties, Kaiserin,
Rhea Reid, Pink Killarney
Maryland, White Killarney**

These are the Best Roses for hot weather. We devote a whole range of glass to their growth, and our plants are two to five years old, giving big, strong flowers.

PRICE LIST

AM. BEAUTIES,	Per doz.
30 to 36 in.....	\$2 50 to \$3 00
24 in.....	2 00
18 in.....	1 50
12 to 15 in.....	1 00
Shortstems.....	per 100, 2 00 to 4 00
ASTERS, according	
to size.....	per 100, \$2 00 to \$4 00
HARRISII LILIES	per doz., \$ 1 00
per 100,	\$6 00 to 8 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	2 00 to 3 00
Extra select Kaiserin....	8 00
ROSES, our selection....	2 00

Lily of the Valley.....	per 100, \$3 00
Asparagus.....	per string, 60
Sprays.....	per 100, \$3 00 to 4 00
Sprengeri.....	per 100, 2 00 to 3 00
Ferns.....	per 1000, 1 50
Smilax.....	per doz., 2 00
Adiantum.....	per 100, 1 00
Galax, green.....	per 1000, 1 00
bronze.....	per 1000, 1 00

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

BUY DIRECT OF THE GROWER
AND GET FRESH STOCK.

Greenhouses:
Hinsdale, Illinois.

American Beauties in Full Crop

We are the biggest Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties,	Per doz.
Long stems.....	\$3 00
30-inch stems.....	2 50
24-inch stems.....	2 00
20-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
Richmond, select.....	Per 100, \$6 00
medium.....	\$4 00 to 5 00

Killarney, select.....	Per 100
medium.....	4 00 to 5 00
Mrs. Marshall Field, select.....	\$6 00
medium.....	\$4 00 to 5 00
Bridesmaid.....	4 00 to 5 00
Bride.....	4 00 to 5 00
My Maryland, select.....	6 00
medium.....	4 00 to 5 00
Chatenay.....	5 00
Ivory.....	5 00

Asters.....	Per 100
Valley.....	2 00 to 3 00
Easter Lilies.....	per doz., 1 50
Asparagus Plumosus,	
extra quality.....	per bunch, 35 to 50
Fancy Ferns.....	per 1000, 1 50

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

A. Engbrecht, 2101 W. Twenty-first place, expects to occupy his new store and greenhouses in about a month. The store building, 25x60 feet, is of solid brick, with a tile floor and steel ceiling. The greenhouses, one 24x96 feet and the other 25x30 feet, are of iron and concrete; a concrete floor is also being laid in the houses. The material was purchased from the John C. Moninger Co., 902 Blackhawk street. A Furman boiler and pipes were also purchased from this company. Jos. Seidowitz, 3651 Oakdale avenue, had charge of the building of the greenhouses and the installing of the heating system. Wm. Beutchim, 2111 Fairfield avenue, did the concrete work. A cement walk of 200 running feet was also laid. New fixtures will be added and when complete it will be one of the most up-to-date buildings in that locality. The old greenhouses at present location will be torn down.

Edw. E. Pieser of Kennicott Bros. left August 29 for Black Lake, Canada, on a fishing trip. He will stop at Montreal and join his wife who has been there for some time for benefit of her health. Mike Fink will be in charge

during his absence. Mr. Fink, who visited Buffalo and other eastern cities since the convention, returned to work on Monday. He and his father spent a few days last week in Milwaukee. A new ice box 10x16 feet of Georgia pine was installed last week. It was purchased from Paul J. Daemicke, 1336 Fullerton avenue.

Mrs. J. Simpson, 3656 Ogden avenue, returned August 28, from Brady, Neb., where the past few weeks had been spent visiting relatives. Walter Eckart had charge of the store during her absence. Several new benches have been put in and a concrete floor laid in the greenhouse. A clever design in the shape of a K. C. emblem, made up of lilies, gladioli and Killarney roses, was delivered to 4341 Washington boulevard, where the funeral of J. J. McGuin was held on August 26.

J. B. Deamud returned to his Michigan farm after the convention and is now at the store again prepared for fall business. Stock is not coming in very plentiful at the store. A few roses and carnations continue to arrive. The new American Beauties do not seem to have much substance. The interior of

the store is receiving a new coat of paint.

Mrs. S. Chemielinski, 1621 W. Eighteenth street, is enjoying a good steady trade, both in cut and artificial flowers. Mr. Chemielinski is expected back from Europe, where he spent the past three months taking in Paris, Vienna and a few other large cities.

At Kyle & Foerster's the stock is coming in as far as can be expected for this time of year. They are handling a good stock of American Beauty roses; Brides are improving in stem and flower.

E. Jelik, 1805 Ashland avenue, returned last week from a trip to Wisconsin. Mr. Jelik stated that funeral work is coming in and that business has picked up considerably.

E. C. Amling is handling a good stock of chrysanthemums. Carnations are starting to come in but the quality is not very good.

Kohout & Merker, 3212 W. Twenty-second street, report trade picking up and are doing a good funeral business.

Wietor Bros. report shipping trade good and are cutting a fine grade of roses.

IF YOU ARE LOOKING

For Good Stock

We recommend sending us your orders regularly. You will find our stock equal to the best and better than the rest. Can supply

Good Yellow 'Mums.

Golden Glow and others.

Fancy White Asters

Good substitute for White 'Mums.

Beauties,
Jardine,
Killarney,

My Maryland,
Richmond,
Field,

Kaiserin,
Bride,
Bridesmaid.

Carnations New Crop Now Ready. Red,
White, Pink and Light Pink.

All Other Stock in Season

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Valley
Asters
Harrisii
Gladioli
Auratum

Smilax
Asparagus
Sprengeri
Adiantum
Ferns

BEAUTIES, ORCHIDS and VALLEY

Our **Beauties** are arriving in excellent order and we have plenty for everybody in all lengths. Our growers are just coming in cut with the best grade of **Orchids** (*Cattleya labiata*), **Valley**, **Asters**, **Gladioli**, and **Easter Lilies** in full supply and for quality there is nothing to beat them on this market. The **Roses** are improving right along and cannot be beaten in this or any other market. We want a trial order and are convinced we shall hold your trade.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem	\$3 00
3 1/2-inch stems	2 50
24 inch stems	2 00
20-inch stems	1 50
15-inch stems	1 25
12-inch stems	1 00
Short stems	\$4 00 to \$6 00 per 100
Richmond, select.	Per 100
medium	\$6 00
medium	\$4 00 to 5 00
Killarney, select.	Per 100
medium	6 00
medium	4 00 to 5 00

Bridesmaid	Per 100
.....	\$4 00 to \$5 00
Bride	Per 100
.....	4 00 to 5 00
My Maryland, select.	Per 100
medium	6 00
medium	4 00 to 5 00
Chatenay	Per 100
.....	5 00
Ivory	Per 100
.....	5 00
Asters	Per 100
.....	75 to 3 00
Gladioli, named varieties	Per 100
in mixture	4 00 to 5 00
in mixture	1 50 to 2 00
Roses, our selection	Per 100
.....	3 00

Carnations	Per 100
.....	\$ 75 to \$2 00
Valley	Per 100
.....	3 00 to 4 00
Easter Lilies, per doz	Per 100
.....	1 50
Sprengeri	Per 100
.....	25c to 35c per bunch
Asparagus Plumosus	Per 100
extra quality per bunch	35c to 57c
Fancy Ferns	Per 100
per 1000	\$1 50

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

S. A. Reid, head gardener at Oakwood cemetery, returned last week from Jerome, Idaho, where he had been spending his vacation with his son Walter. Mr. Reid stopped off at Denver on his way back. The usual summer repairs have been made at the greenhouses and at present the men are busy putting in 10,000 carnation plants. The geraniums are in excellent condition. Mr. Reid stated that he had 35,000 cuttings of Madame Salleron and 50,000 cuttings of alternantheras, and that they would commence propagating at once. He has had a good quality of asters; the chrysanthemums are also in good shape. Two large beds of asters of outside stock will be used for cutting purposes. We also saw here a large bed, 60x125 feet, of castor oil plants, cannas, salvias and coleuses. A large bed of white phlox is in full bloom and in fine shape. Everything about the place is in excellent condi-

tion, owing, no doubt, to the unlimited supply of water at all times, which is secured from the chain of lakes on the premises. The old steam pumping plant will be replaced by electricity, which will do away with the smoke and thus be a great advantage over the old system. Mr. Reid has been in charge for 25 years, having taken charge in 1885, when there were but 10,000 feet of glass on the premises. At present there are 40,000 feet of glass.

L. A. Vaughan, of Vaughan & Sperry, has been moving around freely among their local growers since Fred Sperry's return to business after his vacation and is also planning an eastern trip to the violet and orchid growers in New York. The trade here in these and other choice flowers has gone ahead by leaps and bounds the past season and Mr. Vaughan is too good a business man to be caught short of stock in these items when the

season opens up. Growers shipping to this successful house do not change readily as they are treated well. Mr. Sperry is greatly improved in health by his recent trip and looks very well.

Harry A. Philpott has been in the city again this week, fresh from his tour of the east and Ontario. He was delighted at the success of the Canadian Horticultural Association's convention and is pulling hard for the Florists' Club. "Don't you belong to the club?" is his formula and those who, while living in the city, neglect the meetings are reminded of the fact that Mr. Philpott is keeping his promise of attending every possible monthly meeting, though he has to make a special journey from far off Winnipeg to do it.

More than one retailer was surprised to receive a circular last week from "Claudine," a lady florist (?) supposedly, who took orders for American

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —

76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO
Long Distance Phone Central 3155.

Beauties and sent silk stockings or for
violet and sent corset covers, the men
friends of the fair recipients footing
the bill in the belief that the flowers in
question would be sent to them. After
considerable hunting for "Claudine" it
was found that her circular was part
of an advertising scheme for a local
theater and the retailers breathed
freely again.

The Globe Greenhouses on West
Madison street, of which H. C. Wulle-
brandt is proprietor, were the subject
of a very complimentary writeup in
last Sunday's "Tribune" where Mr.
Wullebrandt's place is described as "a
living, growing advertisement of a
florist's business." This we know to be
perfectly correct as we have frequently
remarked what a beauty spot it is in
the somewhat unattractive surround-
ings of West Madison street. And as
showing that it pays to keep a place
attractive is amply borne out by Mr.
Wullebrandt's experience, for from
small beginnings he has worked up an
excellent trade. He is now building
two more new greenhouses, one span-
roofed structure 23x105 feet and a
lean-to half this size.

The Joliet Agricultural Society's an-
nual fair is in progress this week and
continues until September 5. Quite a
number of good prizes are given for
table decorations, wreaths, bouquets
and other designs, as well as cut flow-
ers and plants. Albert C. Rott, the
well known retailer of Joliet, is the
superintendent of this part of the fair
and will be on the lookout for friends
from the city.

The Geo. Wittbold Co., 737 Bucking-
ham place, at present is busy with
landscape work and expects the fall
decorations to begin next month. The
shipping season has just commenced.
Five teams are kept busy hauling soil
out to Lincoln park for the new addi-
tion which is being put in near the

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATEDWHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Aug. 31.	
Roses, Beauty, extra select...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chateaufort.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select.....	4 00@ 10 00
" " medium.....	2 00@ 3 00
Carnations.....	75@ 3 00
Asters.....	50@ 3 00
Chrysanthemums...per doz.,	2 00@ 2 50
Cattleyas.....per doz.,	4 00@ 6 00
Cosmos.....	1 00@ 3 00
Dahlia.....	2 00@ 4 00
Gladioli.....	1 00@ 4 00
Lilium Harrisii...per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100,	75@ 1 50
Asparagus Plum. strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns.....per 1000,	1 50
Smilax.....	1 50@ 2 00

lake. Miss Roden returned August 22
from her vacation.

Chas. Moranek is now occupying his
new store at Sawyer and Ogden ave-
nue, having taken possession August 1.
Business has been very good and at
the opening day he received an order
for a bridal bouquet of orchids and lily
of the valley. A greenhouse 25x40 feet
will be erected in the rear of the store
and will be used for show purposes.

O. P. Bassett and wife stepped off
the steamer Kaiserin Augusta Victoria
Saturday on their return from Europe
and are expected home in a few days.

E. B. Washburn and wife left last
week for northern Wisconsin, where
some time will be spent fishing at the
headwaters of the Peshigo river.

Bassett & Washburn had a rush of
business on Monday. Beauties are ar-
riving in large quantities and selling
readily with prices about the same.
Some extra fine asters are taking the
place of chrysanthemums, and sell
readily, bringing good prices.

Budlong's were among the first to
hit the market with good roses from

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given
prompt attention.

51 Wabash Ave., CHICAGO.



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Quality Counts..

Let us have your next order for
Roses and Carnations
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone. Randolph 3619.

young plants and the quality is keep-
ing up fine. Elegant Beauties, Mrs.
Jardine, Kaiserin and My Maryland
are among the best arriving and the
latter is especially fine.

Clifford Pruner, of E. H. Hunt's, re-
turned August 29 from his vacation in
the east. F. Lundgreff returned the
same day from his vacation in north-
ern Wisconsin.

Joe Strauss, who has charge of the
bookkeeping department at A. L. Ran-
dall's, has returned from Cincinnati,
where he spent his vacation.

J. Holy, 1311 W. Eighteenth street,
reports business increasing; funeral
work is coming in and everything
points to a good season.

Visitors: Wm. P. Craig, Philadelphia,
Pa., Martin Reukauf, Philadelphia, Pa.,
E. Blackman, wife and daughter,
Evansville, Ind., Mrs. T. A. Mosley,
Kansas City, Kans., W. H. Englehart,
Memphis, Tenn., S. R. Lundy, repre-
senting W. A. Manda, So. Orange, N. J.

Field-Grown Carnation Plants

We guarantee all plants to be in good healthy condition. Let us know what varieties you want, or send for complete list and prices. All plants we offer are ready for shipping now.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m.
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Philadelphia.

The trade of the past week was fairly good for the dull season. Asters are now arriving in large quantities and sales of common stock are slow. A few very special sell for \$4.00 per 100, but the average market price is much lower, ranging from 50 cents to \$2.00 per 100. Good American Beauty roses wholesale for \$3.00 per dozen. There is no change in the prices of tea roses. A few dahlias are coming in but they are not yet a real factor in the market.

NOTES.

Mr. Rigley, with the Pennock-Meehan Co., has just returned from a month's vacation spent in Vermont. He will soon go to New York to take charge of the store which his firm is opening there.

Berger Bros. are receiving fine asters from the Baron de Hirsch agricultural school, Woodbine, N. J. This firm has a large and responsible patronage and is knocking the persimmons from the tall trees.

S. F. Lilly has returned from a two weeks vacation at Wildwood, N. J., which he thoroughly enjoyed. At his new location on Neole street he is much pleased with the volume of business.

Rupert Kienle, retailer of 39 South 17th street, has taken advantage of the dull season to thoroughly redecorate his store.

The Leo Niessen Co. continues to handle large quantities of the best stock seen in the market.

Work has been started on Dreer's new range at Riverton, N. J., and will be steadily pushed.

W. E. McKinick continues strong on good American Beauty roses.

John McIntyre is handling exceptionally fine asters.

Pittsburg.

STOCK PLENTIFUL.

The tension has loosened up a little and stock is coming in more plentifully excepting good asters, and they continue very scarce. Fancy lilies are in abundance. Beauties are also coming in fine and are cleaning up nicely. Early part of the week quite a number of the retailers had big funeral orders on, which kept them on the jump getting stock to take care of them. Quantities of fancy gladioli are seen, America, August, Scribe, etc. Asparagus and sprengeri is very plentiful. Some nice chrysanthemums are on the market. They are admired and that is about all.

NOTES.

W. A. Herbert, Wellsville, Ohio, was a caller in town Saturday and says business is pretty fair down his way.

Chas. Dougherty, McKeesport, one of our noted checker players and florists, is reported to be very ill.

Randolph & McClements, Baum and Beatty streets, have been very busy with funeral work.

Pittsburg Cut Flower Co. is going to move from present location to 121 Seventh street.

Edw. J. McCallum and wife are spending a couple of weeks at Chautauqua Lake.

J. B. Murdoch & Co., Van Emmans, are cutting some fine Pink Killarney.

Wholesale Flower Markets

PHILADELPHIA, Aug. 31.		Per 100
Roses, Beauty, extra.	15 00@20 00	
" first	8 00@10 00	
" Brides and Maids.	1 00@ 5 00	
" Killarney	1 00@ 6 00	
" White Killarney	1 00@ 5 00	
Asters	75@ 3 00	
Cattleyas.	50 00@75 00	
Gladiolus	2 00@ 4 00	
Lilium Harrisii	6 00@ 8 00	
Lily of the Valley	2 00@ 3 00	
Snapdragons.	4 00@ 8 00	
Sweet Peas.	25@ 50	
Adiantum	75@ 1 00	
Asparagus	per bunch 50	
Smilax	15 00@20 00	

PITTSBURG, Aug. 31.		Per 100
Roses, Beauty, special.	12 00@15 00	
" extra.	8 00@12 00	
" No. 1.	4 00@ 6 00	
" Bride, Bridesmaid.	1 00@ 4 00	
" Chateau	1 00@ 4 00	
" Killarney	1 00@ 4 00	
" My Maryland.	1 00@ 4 00	
" Richmond	1 00@ 4 00	
Carnations	1 00@ 2 00	
Asters.	1 00@ 2 00	
Gladioli	2 00@ 5 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	3 00@ 4 00	
Sweet Peas.	25@ 50	
Adiantum	25@ 1 50	
Asparagus Sprengeri, per bunch.	50	
" strings... per string.	50	
" sprays... per bunch.	50	
Smilax	15 00	

Ed Neigel, of the McCallum Co., has been laid up with a very sore arm.

A. W. Smith Co. is receiving quantities of asters from its Ohio farm.

The McCallum Co. is handling a fine line of summer beauties.

Miss Worth, McKeesport, spent a week or ten days at Erie.

J.

Cleveland.

There is a shortage in the aster and carnation crop at present. Asters, on account of the dry season, have been rather poor; a few growers who had theirs where they could water them had fairly good ones. The outside carnations also were poor and very limited in quantity on account of the drouth. A few good indoor asters and carnations are beginning to come in, but the carnations as yet have short stems. Gladioli alone seems to be abundant and of good quality. Jap lilies, both pink and white, are finding a fine market. Business is beginning to improve and all indications are for a busy season and excellent crops.

On Thursday night this city and vicinity received about .41 of an inch of much needed rain. Temperature dropped from 87° at 3 p. m. to 58° at 11 p. m.

Fred Ehrbar is still busy on his farm. At present he is erecting a granary to store his crop of oats. He is also cutting a fine lot of bulbous stock.

A. A. Hart, the Lake avenue florist, and daughter, Gertrude, will sail about September 1 for home, having spent two months in Germany and Switzerland.

Knoble Bros.' store was entered by someone on Thursday night and about \$100 taken from the safe. A former employe is suspected.

John Demas, Colonial arcade, has been on the sick list the past week.

C. B.

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURG, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURG, PA.

Mention the American Florist when writing

Asters, Gladioli, Beauties,

Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock.
"Honesty Our Motto." Try Us.

BERGER BROS.

Wholesale Florists

1220 Filbert Street.

PHILADELPHIA, - PA.

Long experience in the business and fair dealing enables us to offer good terms to all our patrons

CONCORD JUNCTION, MASS.—Leonard Cousins is now the proprietor of the largest greenhouse in this part of Massachusetts. The beds contain some 18,000 carnations.

SALT LAKE CITY, UTAH.—The exhibition of flowers and floral designs will play a prominent part in the state fair this year. Numerous local florists are contemplating the forming of competitive floral designs, and Horace S. Ensign, secretary of the State Fair Association, has received many inquiries in regard to the prizes and other particulars. The following premiums are to be offered by the fair: Best display of foliage and flowering plants, 50 in all, gold medal and \$25; sweepstakes, best collection of plants and cut flowers to be owned and raised in Utah by the exhibitor, gold medal and \$25. Diplomas will be given for other displays.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

St. Louis.

FLOWERS ARRIVING.

The weather took a great change Thursday. We were shivering here but at time of writing it is warming up. Flowers are starting to come in larger quantities. Tuberoses are very plentiful. Some good Richmonds, Killarneys, white and pink, are seen with good long stems; cooler weather causing them to show improvement. Asters are still with us and selling well. Some good color American Beauty roses are in. Schools open up September 6 and nearly all the theaters will open early in September. Most of those away on vacations will return shortly so we can soon expect the season to open up.

NOTES.

Wanted, an ugly cashier, permanent position. Apply at once. Ask for Mr. Gorly, care Grimm & Gorly, 702 Washington avenue. The above appeared in the daily papers and caused much comment and amusement. Mr. Gorly, after breaking them in, a pretty cashier turns around and gets married and he has continually to begin training a novice.

Henry G. Berning and wife have returned from the east. Henry is now busy with the opening of the store next door. The ice box will be installed and the painting and fixtures will be all in shape this week.

M. M. Ayers has a fine display of fancy asters, lilies and American Beauty roses. Miss Ayers said she could not complain, having done her share this summer.

President Geo. B. Windler is very anxious to have a large attendance at the next meeting of the Florists' Club, to be held at the H. J. Weber & Sons Nursery Co.

Arthur Waldmann is doing a nice business up at his store on Taylor and Easton. He has a fine stock of cut flowers and plants always on hand.

Wm. Winter was in town. He expects to bring in carnations within a month or so. He reports violets as looking badly and not growing.

Ed. Kelley of the Kelley Floral Co. left Saturday with his wife on a visit to Chicago. Ed. has been very busy lately and needs a vacation.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Aug. 31.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@4 00	
" " Bride, Bridesmaid	1 00@4 00	
" " Killarney and Richmond	1 00@6 00	
" " My Maryland	1 00@8 00	
" " Carnet	2 00@8 00	
Carnations, select	75@1 00	
" " fancy	1 00@2 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@4 00	
Smilax	12 00@16 00	

St. Louis, Aug. 31.		Per 100
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	2 00@5 00	
" " Killarney	3 00@4 00	
" " My Maryland	3 00@4 00	
" " Richmond	4 00	
Carnations	1 00@1 50	
" " fancy	1 50	
Asters	1 00@4 00	
Easter Lilies	8 00@10 00	
Sweet Peas	1 00	
Adiantum	1 00	
Asparagus Sprengeri	2 00@3 00	
Smilax	12 50@15 00	

CINCINNATI, Aug. 31.		Per 100
Roses, Beauty	1 00@3 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Golden Gate	2 00@6 00	
" " Killarney	2 00@6 00	
" " Richmond	2 00@6 00	
Carnations	1 00@2 00	
Callas	10 00	
Daisies	50	
Lilium Album and Rubrum, per doz.	50	
Lilium Auratum, per doz.	1 50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengeri, per bch.	25	
Smilax	12 50@15 00	
Gladioli	3 00@4 00	

MILWAUKEE, Aug. 31.		Per 100
Roses, Beauty, per doz.	50@3 00	
" " Bride, Bridesmaid	3 00@6 00	
" " Killarney	3 00@8 00	
" " Richmond	3 00@6 00	
Carnations	2 00@3 00	
Asters	1 00@2 00	
Gladioli	3 00@5 00	
Lilium Gigantum, per doz.	1 50	
Lily of the Valley	3 00@4 00	
Magnolia	35	
Snappdragon	2 00@4 00	
Sweet Peas	25@50	
Adiantum	1 50	
Asparagus, per string	50@60	
" " Plumosus, per bunch	35@50	
" " Sprengeri	35	
Ferns, Fancy, per 1000	1 50	
Galax, per 1000	1 50	
Smilax, per doz.	1 50	

Ed. L. Loyet, 918 Kings highway, is thinking of closing out his interest in the florist business and going into the automobile business.

Several copies of the Florists' Directory have been ordered here. This is a good and very useful book for every florist to possess.

Bentzen's Floral Co.'s store room adjoining their greenhouses on Marcus avenue was destroyed by fire last Thursday.

Miss S. M. Newmann is handling a fine stock of summer roses. Some very

—THE— J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

fine Richmond and Killarney were seen. Geo. H. Angermueller, Charles Schoenle and some friends left Saturday for a few days' fishing.

Riessen Floral Co. had the plant decoration at the banquet given by the Eagles.

C. A. Kuehn is receiving a fine supply of short and long-stemmed magnificum lilies.

After next Saturday the wholesale houses will keep open till 6 p. m.

F. A. Ryan Floral Co. have been kept very busy during the past week.

W. F.

NEW CASTLE, IND.—The Indiana State Florists' Association is taking an active interest in making the flower show at the state fair a glowing success this year. The association arranged the premium list so that it would be attractive to professional growers, and the amateur flower growers are also well provided for. David Wallace of Indianapolis, who for years has been active in the management of the fair, will have charge of the flower show.

All Signs Point to a Bigger and Better Season for the Cut Flower Business and Everything Pertaining Thereto. You will find us Well Prepared.

Growers not acquainted with our methods will find it to their advantage to do business with

HENSHAW & FENRICH

WHOLESALE FLORISTS

Phones 325-5582-5583
Madison Square

51 West 28th Street, NEW YORK

New York.

BUSINESS SLUGGISH.

There is no apparent change in the market from the sluggish condition of last week. Prices which took a sudden rise on Friday and Saturday of last week have fallen just as suddenly and the problem on the hands of the wholesaler now is, how will I get rid of my stock, instead of how much will I get for it. However, the general consensus of opinion amongst the wholesalers is that conditions are just what they usually are at this time of year, no better or no worse, and even the more pessimistic of them predict much better conditions shortly with the advent of cooler weather. Beauty roses which were rather scarce are now hard to move. The same may be said of all other stocks. There are spasmodic demands for white stock at times for funerals, this being about the only business done just now. Lilies are getting scarcer but are not bringing any prices to speak of. There is still an abundance of asters, and, although some fine stock is noted, the majority is inferior and is sold for little or nothing.

NOTES.

A new club has been formed among the Twenty-eighth street boys with Wm. Haupt as president, styled the Florists' Fishing Club. Their first fishing trip proved to be a very successful one. Chartering an auxiliary sloop yacht at Freeport, L. I., which, needless to say, was equipped with everything necessary from refreshments to bait, the party embarked for their cruise on the briny deep. After a delightful day spent at sea they returned with over 50 pounds of fish and the usual story of having lost a whopping big fish just as it was being pulled aboard. The honors went to Wm. Haupt for pulling in a four-pound sea bass. Among those present were: J. B. Nugent, Jr., wholesaler; Wm. Haupt, Twenty-eighth street; H. Riechers, with P. Smith, Twenty-eighth street, and J. Capperall, of the Boston Floral Co. This club is desirous of increasing its membership.

John A. Rassbach, Bloomfield, N. J., has returned from a month's stay in Colorado, having visited Denver, Cripple Creek and Fort Collins amongst other places. When asked as to business conditions there Mr. Rassbach stated that the florists and farmers had suffered greatly in the last three summers from drought and that this summer, along with the dry spell, they had suffered severely from a plague of grasshoppers, these pests devouring everything green in sight, there apparently being no way or means of preventing their depredations. He also says that while he enjoyed himself thoroughly there and that the country was beautiful, yet 45 minutes from Broadway was far enough away for him.

Henry L. Bantelman, the Washington Heights florist, is building an additional greenhouse 135x26 at his

Yonkers place. Mr. Bantelman has had the contract for furnishing flowers and plants at the Hotel Astor ever since it opened and states that while he has two large growing establishments, one in Yonkers, the other at Kingsbridge. He can not produce half enough to supply the hotel and his store on Amsterdam avenue.

M. A. Bowe, Herald Square, who will have to vacate his present store owing to the building being torn down, states that so far he has not definitely settled on a store yet but expects to locate in the neighborhood of his present place.

Phil Kessler will take advantage of the slack season and spend a couple of weeks at White Mountain resorts.

W. Hackland, bookkeeper for the Cut Flower Exchange, is spending two weeks on the Long Island coast.

Wm. Iler, with Edw. C. Horan, is spending a well earned vacation in the Catskill Mountains.

The Geller Supply Co. is now installed in its new store at 147 West Twenty-eighth street.

Baltimore Notes.

Mr. Perry, manager of the Florists' Exchange, is having the handsome hall over the Exchange newly painted and decorated, adding very much to the appearance of the room. This hall is now dedicated to a great variety of uses. Last week it was a center of activity of the Order of the Moose, which held its national convention in this city, and was crowded with visitors. On other occasions it is used for dances, meetings, etc. Still again, it is occupied as a music school, an eminent tone artist giving lessons in vocal development. On Saturdays it is dedicated to religious services (not by the Jews, but by the seventh day adventists). Centrally located and easily accessible, it is constantly occupied, and gives at once advertisement of the Exchange and its business and adds to the earnings of the concern.

Business last week, considering the not very auspicious conditions which exist, was fairly active, with alternating dull and busy spasms as is universally felt at this season. The weather is delightful, save for the dryness, which continues though some localities, blessed above others, have had refreshing showers. Generally the fields and gardens are greatly in need of rain; the seasonable farm operations can not be performed, and nearly all crops, such as asters and other outdoor sorts, are languishing for moisture.

John R. Freeman, of Washington, D. C., was a visitor to our city on Monday. He was on a pious mission to see his old friend and companion, Mr. Wood, at Bonnie Brae cemetery, and to pick up some stock which he needed for his place. Mr. Freeman was a Baltimorean before he went to the national capitol, and though he does not "come back" often, he is always heart-

ily welcomed by his old friends, who know and esteem him highly.

A new concern has taken over the greenhouses of Mr. Hooper on Shirley and Park Heights avenues, formerly run by George Frederick Ekas, the style of the new copartnership being Christie & Talbott. Mr. Christie has places on the old York road at Waverly and at Woodbrook, and Mr. Talbott was for many years a very much prized employe of the park department, and is a practical man.

The season of renovations and repairs is on us, and all hands are busy with paint pot and glazing tools, and if no very large building operations are in view there are a great many little betterments and additions going on.

The Rochester pilgrims are now all accounted for, the last to reach home being Mr. and Mrs. Isaac H. Moss, who returned Saturday after a long and pleasant extension of their trip to the lakes.

A. F. Faulkner, the special representative of THE AMERICAN FLORIST, was in this city last week and visited a number of the craft, his pleasant manner and fund of stories making him a very agreeable visitor.

Wm. Prince, gardener at the famous colonial place, Hampton, the country seat of the Ridgely family, is recovering his health, after a series of serious surgical operations.

Mr. Wood, superintendent of the Bonnie Brae cemetery, is very ill, his friends feeling much concerned about him.

Lehr Bros. are sending in some A No. 1 asters, grown under glass, splendid in size and color.

European Horticulture.

As to the usefulness of cannon against hailstorms, M. Andre, director of the observatory of Lyons, has carried on an investigation, covering the 20 years before the installation of the agricultural artillery posts, for comparison with the 10 years since their establishment in 1900. An unexpected result has been discovered, statistics showing that since the conscientious bombarding of hail clouds much greater storm losses have occurred than before. While M. Andre concludes that the hail-cannon are at least useless, some of the advocates of this method of protection arraign M. Andre's statistics and claim a longer trial to be necessary.

Delphinium Lamartini.—A very handsome dark-flowered variety, bold in stature and conspicuous by reason of the excellence and size individually of its blossoms. These two varieties were exhibited by Amos Perry, Hardy Plant Farms, Enfield, and each received an award of merit.

Gladiolus King Edward VII.—This is a very large-flowered variety of the Colvillei section, the blossoms being vivid scarlet, with a narrow creamy white stripe down the centre of each segment. Shown by F. Lilley, Guernsey. Award of merit.

Young & Nugent,

Telephone 2065-2066 Madison Square.

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To out-of-town florists

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ENOUGH SAID.



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Roses, Carnations and all kinds of
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Wholesale Flower Markets

NEW YORK, Aug. 31.

Roses, Beauty, special.....	8 00@20 00
" " extra and fancy...	3 00@ 8 00
" " No. 1 and No. 2....	50@ 2 00
" Bride, Bridesmaid, special.	2 00@ 3 00
" " extra and fancy.....	5 @ 2 00
" Killarney, special.....	2 00@ 3 00
" " extra and fancy.....	1 00@ 2 00
" " No. 1 and No. 2....	25@ 1 00
" Kaiserin, special.....	4 00@ 5 00
" " extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2....	25@ 1 00
" " " " " " " "	25@ 3 00
Asters.....	1 00
Chrysanthemums, per doz.....	35 00@75 00
Cattleyas.....	75
Dahlias.....per doz.....	50@ 3 00
Gladiolus.....	1 00@ 2 00
Hydrangeas.....	4 00@ 5 00
Lilium Longiflorum.....	1 00@ 2 00
Lily of the Valley.....	

BUFFALO, Aug. 31.

Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@ 4 00
" Bride, Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Pres. Carnot.....	4 00@ 7 00
Carnations.....	1 00@ 1 50
Asters.....	40@ 2 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....per bunch, 3c@5c	
Water Lilies.....	3 00@ 5 00
Adiantum Croweanum.....	1 25@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000, \$1 50	1 50
Galax, green and bronze.....	15 00
Smilax.....	

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WHOLESALE FLORIST,

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Wholesale Florist

Chrysanthemum Novelties my specialty.

Mention the American Florist when writing

Several new members have been added to the association since last seems to be greater than ever and indications are that the show will be largely patronized. People who attended a year ago were delighted at the exhibition, which, to many, furnished a guide to the selection of varieties for later planting.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
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NEW YORK.

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Coogan Bldg., 6th Ave. & W. 26th St., New York.

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Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Ansonia, Conn.

The monthly meeting of the Inter-town Dahlia Association was held in the Arlington assembly rooms August 19. Arrangements were completed for the dahlia exhibition of the association, which will be held September 17. It is expected by the members of the association that the exhibition will exceed that of a year ago and will be larger and better in every way.

The recent dry weather affected dahlias as well as other flowering plants, and the yellows and various other troubles have made it difficult for the growers to secure first-class blooms. Dahlias are already blooming, but the best flowers are yet to come. The size and beauty of the blooms increases as the weather grows cooler and by the third week in September some splendid flowers are expected. The plants are now making strong growth and the pinching back and plucking of early buds is about over. The blooms, in most instances, will now be allowed to develop and efforts made to secure a fine crop for the exhibition. The only thing which at present gives the growers any concern is the danger of frost.

Boston.

A more cheering autumn harbinger could not have greeted the managers of the Park Street Flower Market than the interest shown in the eighteenth annual sale of stalls which occurred last Saturday. This sale, however, will now be known as the first annual sale of the Boston Flower Exchange, Inc. There were 128 stalls to be auctioned off, and the crowd was there, about 200 of them. It was announced that the annual rental of each stall would be \$25 and no premium would be accepted less than \$25. James T. Carroll was auctioneer. The bidding was very lively and went up to \$130 and held above \$100 for a good part of the sale. No previous sale has equalled this in the size of bids. Pierce Bros., Waltham, bid off six stalls; Mann Bros., Randolph, four; J. A. Budlong Son & Co., Providence, three; S. J. Reuter, Westerley, R. I., three. The following bid off two stalls each: Nelson & Johnson, Framingham; Wm. Nicholson, Framingham; W. W. Edgar, Waverly; A. Christenson, Stoneham; E. Sutermeister, Hyde Park; Montrose Greenhouses; Kidder Bros., Lincoln; T. J. Dolansky, Lynn; J. T. Butterworth, S. Framingham; John Fee, Jamaica Plain; Wm. Sims, Cliftondale; Payne Bros., Randolph; H. H. Rogers, S. Sudbury; H. F. Calder, Norwood; G. W. Hilliard, Exeter, N. H.; Wm. H. Tomlinson, Dorchester. The Boston Co-Operative Flower Market has its sale of stalls this week Saturday at 9:30.

NOTES.

J. Farquhar reports that the Massachusetts Horticultural Society has arranged to issue in a few days a list of prizes to be offered for the February show. On account of the National Flower Show to be held in March the usual spring exhibition will be omitted. The February show, however, promises to be an interesting one, prizes being offered for cyclamens, primula, Begonia Gloire de Lorraine and various flowering bulbous plants which would be too early for the national show.

T. F. McCarthy in Hawley street has been doing an unusually heavy business. His auction rooms are undergoing extensive repairs and will be ready to open September 8. His bookkeeper, Miss M. C. Smithers, has gone on a trip to South America. Mr. McCarty has bought a fast horse at St. Albans, Vermont, and with his wife and daughter is driving back to Boston.

John Farquhar is authority for saying that great enthusiasm is being manifested and large preparation made, and business coming in which insures the financial as well as horticultural success of the great show to be held in March.

The departure of Elijah A. Wood for Chicago, and his loss to this locality where he has been so well known deserves special notice. To all his friends he is "Elijah." He leaves, with his wife, this week Wednesday.

H. M. Robinson & Co., Providence street, have opened up a branch at Pine Apple, Alabama, for growing southern smilax in quantity, and will supply trade at lowest wholesale prices.

The death of W. B. Whittier, nurseryman of Framingham, occurred Sunday morning, August 28. A friend who knew him said, "A more honest man never sold a tree."

The New England Dahlia Society will hold its exhibition September 16, 17 and 18. The prospects are fine for the abundance and quality of the blooms.

Robt. Cameron of Harvard Botanic Gardens is reported as having exceptionally fine beds of zinnia elegans and petunia hybrids.

The Andover Horticultural Society held its autumn show last Saturday. Wm. J. Stewart and Patrick Donnell were judges.

California Flower Market

AND

Shipping Department

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All Kinds of Cut Flowers

31-33 Lick Place,

San Francisco,

Calif.

WHOLESALE

Among the visitors to this city have been R. H. James, the big Bermuda bulb grower, with his wife and daughter.
W. T. HUTCHINS.

Manchester, Mass.

The annual summer flower show of the North Shore Horticultural Society opened August 24 in a large society tent pitched on the grounds of the Essex County club, not far from the clubhouse. August 24 was band concert day at the club and many people visited the show and were delighted with the many fine displays, the greater part of which came from the gardens of the more prominent members of the summer colony. The exhibition as a whole was one of the finest the society has ever held and besides the exhibits in the regular classes there were numerous specials.

Mrs. Lester Leland was one of the most successful exhibitors. She was awarded a silver cup for the best collection of gladioli, named varieties, the exhibit filling two tables. She also took first prizes for best six pots of sword ferns and best collection hollyhocks. Mrs. Leland also showed a magnificent group of foliage and flowering plants arranged in a high mound which was awarded the gold medal and was given numerous other prizes in the regular classes.

Miss Helen Hooper took a good share of the prizes and no other exhibit attracted more attention than a table of fruit, probably the finest ever shown here, which included three varieties of hothouse grapes, some of the bunches weighing five and one half pounds each, and seven varieties of greenhouse-grown melons of English varieties, besides nectarines, plums and other fruit. Miss Hooper also took first prize for the best six vases of gladioli and numerous other prizes in the smaller exhibits.

Mrs. James McMillan won a silver cup offered by George P. White for the best collection of annuals. This collection embraced over 100 varieties. There was considerable competition for dinner table decorations and several very handsome exhibits were noted. The silver cup for best decoration of eight covers was secured by Magnuson and Huyian, second prize going to Mrs.

James McMillan. Mrs. B. Hammond Tracey took third prize. Miss A. G. Thayer also entered a table. Mrs. Gardner M. Lane made a remarkably fine exhibit of dahlias, taking first prize for best display in all classes, the exhibit including some 40 varieties.

The display of hardy perennials called out considerable favorable comment, Miss A. G. Thayer taking first prize for best and largest collection, and Miss Helen Hooper second. In the zinnia classes Mrs. James McMillan had a particularly good display, taking a first in the regular classes, and Mrs. H. W. Mason second. The first prize for best collection of perennial phlox—six vases—went to Mrs. E. C. Swift. For the best collection of asters Mrs. H. S. Grew took a first and John F. Wonsion second prize. Among other prizewinners were: T. Jefferson Coolidge, Mrs. E. C. Swift, Mrs. S. Parker Bremer, Miss H. L. Fitch, T. J. Coolidge, Jr., Mrs. George Wigglesworth, Mrs. W. H. Moore, Miss P. Croll, Mrs. Philip Dexter and Mr. George R. White.

The Call of Autumn.

O, trudging, trudging through the town
By dingy doors and walls,
I dream of hedges turning brown
And hear the mystic calls,
I sense the murmur of the trees
With shadows dark and green,
Where he who is acquainted sees
The fairies dance between.

The little roads that wind and turn
And clamber up the hills,
Past where the woodbines flash and burn,
Or loiter by the rills—
They send a coaxing call to me:
To come and fare afar,
To wait for dusk's great mystic—
The blazing evening star.

And orchards with their laden boughs
Are whispering the while
Of breezes that come there to drowse—
They call me mile and mile,
The good bare fields where golden glow
Bloom all about the edge
Are calling that 'tis time to go
A-tramping through the sedge.

Ho, dusty paths and grass-grown trails,
They fain would know my feet,
And I can hear their far-off hails
Here in the city street,
The grapes are bursting-full of wine
And purpling in the sun;
They send a flavor fair and fine
That thrills the blood of one.

—Chicago Evening Post.

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
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With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

Milwaukee.

Business is brisk and everything selling well. Roses shortened up considerably toward the end of the week on account of the cool weather. Short-stemmed roses especially are scarce. Gladiolus are becoming more plentiful but are selling readily; American Beauties enough to supply the demand and are very good with plenty of mediums. Asters coming in better and bringing good prices. Lilies have shortened up and only a limited amount to be had.

NOTES.

Everyone is looking forward to the picnic which will take place next Sunday, September 4. The entertainment committee is making great preparations for games and prizes. Everybody is cordially invited and a good time is anticipated.

Mitchell street florists have been kept busy with local weddings and funerals. They cater mostly to the Polish people on the south side and do a very nice business. They are at present preparing to add another house to their range.

Otto Teitbohl has commenced tearing down his greenhouses, as his lease expires December 1; he contemplates putting up some new ones outside the city limits, but has not decided upon a location at the present time.

Eddleson & Leidiger are having a new front put in their store, giving them two show windows 15 feet each, which no doubt will give their store a very fine appearance. This concern reports business very good.

Nic. Zweifel is starting to cut a few new carnations; he has planted ten benches of Bright Spot, which he expects to make cuttings from to supply a number of firms that have them on the market.

Holton & Hunkel Co. are receiving some exceptionally fine Killarney and My Maryland grown by Adam Zender of Rogers Park, Ill.

Currie Bros. Co. report business very brisk and among their large orders was one for the Gates wedding at Spooner.



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\$1.00 per 1000

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, **Hardy Cut Evergreens and Florists' Supplies.**

Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000

Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,**BOSTON, MASS.**

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\$1.00 per 1000

**FANCY FERNS,** \$1.25 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales.....\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000

Boxwood.....per bunch, 35c; 50-pound case \$8.50

Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

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by placing their orders with us A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

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Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist
business in Chicago. Write for prices to**SWAN & CHEGGIN,****Roan Mountain, Tenn.**

Manke Bros.' new place is looking very fine, with their young plants looking strong and healthy.

William C. Zimmermann has returned from St. Louis and reports a very good time.

Visitors: Mr. Augspurger, Peoria, Ill.
G. R.**Detroit.**

The Florists' Club meeting of Monday evening, August 29, was a great success, probably due to the many extraordinary features on the programme. The meeting was held in a tent on the lawn adjoining the Breitmeyers' greenhouses on Mack avenue, where Herman Knappe is foreman, and on whose invitation the club met there. The arrangements were most unique; the interior of the tent was decorated and over the platform was hung two American flags. The installation of the newly elected officers of the club was of major importance and was conducted by Major Philip Breitmeyer, who solemnly, with the laying on of hands, inducted each of the newly elected into office and commissioned them to carry forward with greater enthusiasm and efficiency the good work for which the club was organized and of which he was the first president just 12 years ago. The officers for the ensuing year are:

George Browne, president.
Herman Knappe, vice-president.
Hugo Schroeter, secretary.
Robert Rahaley, treasurer.
Harry Pickworth, librarian.

President Browne, in his address, outlined his course officially of the club during his administration and named the following committees:

J. F. Sullivan, A. Pochelon, A. Sylvester, auditing; M. Bloy, Wm. Dilger, J. F. Sullivan, Frank Danzer, programme and essays; J. K. Stock, Louis Charvat, Robt. Rahaley, A. Sylvester, Robt. Klagge, entertainment; M. Bloy, Herman Knappe, Ed. Berd, Thos. Browne, A. J. Stahelin, exhibition.

The secretary read his annual report showing the accession of eight new

Sphagnum Moss

Dry; in burlap bales; size of bale, 16 by 16 inches by 4 feet long; average weight, about 30 pounds. Price **cash with order**:
Per bale, 75c; 10 bales, \$6.50.

CHAS. F. UECKE, New London, Wis

members and a total membership of 96. Elmer D. Smith, Adrian, was a visitor and showed a dozen blooms of his new early chrysanthemum, Smith's Advance, a variety resembling old Willowbrook but of greater substance and stronger foliage. Mr. Smith gave an interesting talk on his familiar subject of chrysanthemums and their cross fertilization. At the conclusion of his address a vote of thanks was given him and his new variety unanimously endorsed as a valuable acquisition. A. E. Boun, representing Armour & Co.'s fertilizer for florists, was present and promised an address at a future date on the application of commercial fertilizers under glass. By unanimous consent the club quarters were changed to 112 Farmer street, to take effect October 1 next. At the next meeting, September 19, M. Bloy will give an extended address covering his observations of the proceedings, exhibits, etc., at the S. A. F. convention, which he, with about a dozen others from here, attended. After adjournment all were marched to the potting shed, where Mr. Knappe had prepared a bounteous lunch which was much enjoyed in the honor of Mr. Knappe's forty-fourth birthday.

J. F. S.

DANVILLE, ILL.—John Willius has filed a petition in bankruptcy.

SARATOGA SPRINGS, N. Y.—John Ralph, Woodlawn avenue, and Henry Schrode, Nelson avenue, received the thanks of the board of managers of the St. Christina industrial school for their contribution of flowers to aid in making a success of a benefit sale.

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High Grade Cut Blooms.

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Missouri, Kansas or Oklahoma.

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Boyle and Maryland Aves.
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Write, Telegraph or Telephone.

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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.
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EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

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Send flower orders for delivery in

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

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Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

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John G. Heintz & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874, Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
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L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

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THE ANDERSON FLORAL CO.

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Orders will be carefully
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

Deliveries in

NEW YORK, LONG ISLAND and NEW JERSEY.

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

September 6.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kaiser Wilhelm II, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Cymrio, White Star, 12 noon.

September 7.

Lusitania, Cunard, 9 a. m., Piers 54 and 56,

North River.

Oceanic, White Star, 3 p. m., Piers 60 and 61,

North River.

Bluecher, Ham.-Amer., 1 p. m., Hoboken Pier.

FROM BALTIMORE, Chemnitz, N. Ger. Lloyd,

2 p. m., Pier 9, Locust Point.

September 8.

Pannonia, Cunard, 12 noon, Piers 54 and 56,

North River.

La Provence, French, 10 a. m., Pier 42, North

River.

September 9.

FROM MONTREAL, Tunisian, Allan, 4:30 a. m.

FROM QUEBEC, Empress of Ireland, Can.-Pa-

cific, 3:30 p. m.

September 10.

Furnessia, Anchor, 12 noon, Pier 64, North

River.

New York, American, 10 a. m., Pier 62, North

River.

Lapland, Red Star, 10 a. m., Pier 59, North

River.

Celtic, White Star, 12 noon, Piers 60 and 61,

North River.

Cleveland, Ham.-Amer., 9 a. m., Hoboken Pier.

Koenig Albert, N. Ger.-Lloyd, 11 a. m., Ho-

boken Pier.

FROM PHILADELPHIA, Merion, American, 10

a. m., Pier 54.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty, 218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

GERMAN growers report some varieties of peas a total failure.

VISITED CHICAGO.—E. J. Deal, of W. W. Johnson & Son, Boston, England.

CANADIAN conditions are said to be even worse than those of the United States pea districts.

GEO. H. DICKS, representing Cooper, Taber & Co., London, England, is due in Chicago September 5.

EINAR KNUTSON, of Hjalmar Hartmann & Co., Copenhagen, Denmark, sailed for New York August 18.

BRANDON, MAX.—The A. E. McKenzie Co. is planning to build a new seed warehouse this season at a cost of \$100,000.

HOLLAND seed growers report August 15 fine favorable weather but that some biennial vegetables such as beet, winter radish, etc., are nearly a failure.

LATEST crop reports from California indicate some shortage of beet and carrot. Most beans are good. Most other garden seeds are showing good yield with the possible exception of White Portugal onion.

BIRMINGHAM, ALA.—The Amzi-Godden Seed Co. entertained its employees, their friends and families with a picnic and barbecue at West Lake park, two miles west of Bessemer, August 20. The attendance was about 100, including some of the prominent horticulturists and truck gardeners of this district. The barbecue was one of the finest and most elegantly served ever enjoyed in this section.

NEW YORK.—I. F. Slimon has resigned his position with J. M. Thorburn & Co. and is now with Vaughan's Seed Store here. C. W. Scott is now with the Yokohama Nursery Co.—Mr. Goldenburg of Ralph M. Ward & Co. reports that owing to the enormous demand for giganteum lilies the last two years there will be a scarcity of the larger sized bulbs this season and that disastrous floods in Japan have not helped conditions any.—H. Frank Darrow has re-

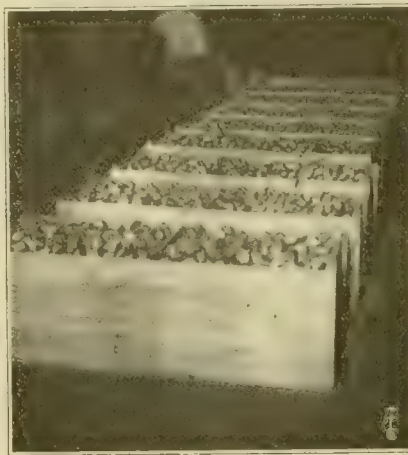
turned from a trip abroad, having spent some time visiting his various connections in Europe.

Seed Warranty.

At the Lynn county court last week, Judge Mulligan gave judgment in the case of Marsters v. Whittombe, arising out of a transaction in wheat, but which, as the non-warranty clause was introduced, may have considerable interest for seedsmen.

The plaintiff, a seed merchant, claimed £13 15s. for seed wheat sold; the defendant, a farmer, counter-claimed £48, on the ground that goods sold were bad.

From the judge's summing up (which is too lengthy to give in full), we gather that the bargain, which was for five quarters of Sensation seed wheat, at 55 shillings, was purely verbal, but the plaintiff's manager sent an invoice next day by post which contained the usual non-warranty clause.



First Hyacinth Bulb Shipment of 1910 from Ollioules, France.

According to evidence defendant did not read this, but merely put it in a drawer to be paid later. The court said that it had been intended that this clause, in small print, only expressed a custom in the seed trade, but such custom did not exist in relation to farm seeds, and if it had it would have resembled a cancer rather than a custom. He considered also that defendant was not aware at all of the existence of this clause. He found that the wheat was properly

sown under favorable conditions, and only grew ten per cent, probably owing to having been killed by heating or kiln drying, and that consequently plaintiff had not fulfilled his bargain with defendant.

He said, "A merchant is, of course, justified in charging the highest price he can obtain, but he must deliver the genuine article as sold.

"As to the counter claim. The defendant is entitled to be paid for his extra work and labor in resowing. He thinks he also should be allowed something for the difference in value between a crop of ordinary spring-sown wheat and a crop of autumn-sown Sensation wheat, which might have served to renew his seed next year. But that loss is too problematical and too remote. At the same time, I must say that a farmer who buys seed at 50 per cent above the market price of ordinary wheat, though he may have no legal claim for problematic losses, might reasonably expect an enterprising and experienced grower and seller like Mr. Marsters to exercise greater diligence. There will be judgment for the plaintiff on the claim for £1 7s 6d, but without costs. There will be judgment for the defendant on the counter claim for £17 10s., with costs on Scale C."

It would appear from this that among those ignorant of the custom of the seed trade, the non-warranty clause must be definitely brought to the notice of the buyer before it can be considered as forming part of the bargain. It is evident also from the judge's remarks that he viewed the clause with very grave suspicions, and that he would be very loth under any circumstances to accept it as a full defense. — Horticultural Advertiser (English), August 17, 1910.

French Bulbs.

FIRST SHIPMENT THIS SEASON.

The illustration herewith shows the first of the shipments of hyacinth bulbs from Ollioules this year, the first invoice certified at the consular office this year being on July 1, the same date as of the first shipment in 1909. The crop is seemingly of excellent quality, and while there is always that apparent shortage of large sizes there would seem to be every reason to suppose that the shipments of the present year average better than ever before.

MANN'S

Lily of the Valley

are the finest in existence, and their flowers bring the best prices on the London market.

For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Braslan Seed Growers Co.

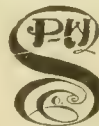
Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.





GIANT PANSY PLANTS

The KENILWORTH Strain

Must not be compared with the flimsy Trimar-deau. It is much larger and of good substance, the immense flowers of $3\frac{1}{2}$ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red mahogany and numerous other light, medium or dark mixtures.

1910 Seed Now Ready.

2000 seeds 50c; 5000. \$1.00; $\frac{1}{4}$ -oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield Mme. Perret white darkeye, purple, black, masterpiece, red, brown, bronze, and light blue shades. Trade packets 25c, any five for \$1.00.

Rainbow is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped, veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per $\frac{1}{4}$ -oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

	Per 1000		Per 1000
Lilium Formosum, 7-9.....	\$65.00	Lilium Jamesi, 6-7.....	\$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,

1215 Betz Bldg.,

PHILADELPHIA, PA.

Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of American Grass and Clover seed in carload lots, and invites exporters to submit offers and samples as soon as the new crop is on spot.

Fall Bulb Catalogue

If you have not received a copy send for it.

James Vick's Sons Rochester, New York

Mention the American Florist when writing

New Price List of My Celebrated WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received a copy, please send for one. New crop of seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only. Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

	Per 1000
Lilium Longiflorum Multiflorum, 7-9.....	\$50.00
" " Giganteum, 7-9.....	65.00
" " Formosum, 7-9.....	65.00
F. O. B. New York.	

RELIABLE SEEDS.

	Oz.	Tr. pkt.
Bellis, double Daisies, Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest double mixed	2.00	25c
Myosotis, alpestris, Victoria compact blue	2.50	35c
Pansies, Special Florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c
For other varieties ask for my catalogue.		
O. V. ZANGEN, Seedsman, Hoboken, N. J.		

BULBS For good flowers buy good bulbs. Note the Prices.

	Per 1000
Paper White Grandiflora, fine stock..	\$ 8.00
Empress, Double Von Sion or Princeps	10.00
Emperor	12.00
Stella, Figaro, Cynosure	2.00
Grand Monarque	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

ADVERTISERS, Send Copy Early for Best Service.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

The Use of Commercial Fertilizers.

The Charlotte (N. C.) Observer, in its issue of April 3, published a letter from Dr. H. Q. Alexander, Mecklenburg county, president of the North Carolina farmers' union, in which he argued for a reduced consumption by the farmers of commercial fertilizers, preferring the purchase of the elements and home mixture. E. W. Thompson, district manager of the Southern Cotton Oil Co., who is one of the best posted gentlemen on the subject in the south, replies to President Alexander's argument as follows:

"President Alexander, of the farmers' union, writes about the guano trust beast, and how it 'has it in' for the farmers' union, and is refusing to sell guano to the union: I do not wish to reply to this part of the article, because, in the first place, the reader will properly attribute prejudice on the part of both sides. In the second place, no argument should be needed to show that the so-called trust would be glad to sell to any individual or organization that would make the proper business arrangement about the pay.

"I wish to argue a little on the general subject of the use of commercial fertilizers. President Alexander says it is worse than throwing money away, and mentions The Agricultural Year Book as authority, but he does not quote the language. Now, it is a fact known to the engineering profession that, in the usual manner of burning coal for producing power in the steam engine, fully 90 per cent of the heat value of the coal is lost, but the 10 per cent that is utilized moves civilization at a considerably faster gait than would the limited number of horses that are available for doing the work of the world, even though the horse utilizes and renders into useful work more than 70 per cent of the power value of his feed.

"The pertinency of this analogy lies in the fact that no farmer in this part of the country is making enough natural fertilizer for his needs. If he could or would raise enough cattle to eat all the cottonseed meal and hulls and hay that he could grow, then he could afford to laugh commercial fertilizers out of court. But under conditions as they are, can he afford to overlook the scientific aids which are presented to him by the various agricultural colleges and experiment stations?

AN EXACT SCIENCE.

"Fertilizing has come to be an exact science—so much phosphoric acid, so much ammonia and so much potash to produce a certain crop. If the farmer can continue to grow these elements in sufficient quantities for himself, well and good; but if not—and this is the real situation—is it not the part of

wisdom to buy them? This brings us, then, to the question as to just how he should buy the fertilizing elements. President Alexander says if they must be bought at all buy the various ingredients and mix them on the farm rather than buy the ready-mixed guanos, because (1) you know exactly what you are buying, (2) you can mix the ingredients in a way to suit your particular case, (3) you can save \$3 to \$6 per ton. Let us carefully consider these arguments:

"You know what you are buying by the guaranteed analysis printed on the bag and on the tag, which our careful Department of Agriculture requires on every sack. Exactly the same knowledge and guarantee goes with the mixed guanos, so there can be no possible advantage in the raw goods on this score.

"A farmer cannot be supposed to learn by reading or experience any more about the proper ingredients and their proportions than a responsible guano manufacturer, who mixes thousands of tons where any single farmer mixes 50. In order for a manufacturer to stay in business, he must please his customers and make goods that will produce results, and also he is being compelled by the Department of Agriculture to make goods up to a certain grade. There is no one to force the farmer to give his land a square deal, and hence he is at liberty to mix up anything for the land that his fancy dictates.

"Assuming that a farmer finds out exactly what ingredients and what proportions he needs, he frequently turns over the job of proportioning and mixing to a laborer, who in the nature of the case is not expert at the job. The result is that the final mixture is uncertain and irregular. Even with the greatest care, it is impossible to mix ingredients by hand so that there will be the same uniformity throughout as would be the case with machinery.

UNIFORM MIXTURE ESSENTIAL.

"Few people realize the importance of uniform mixture of fertilizer ingredients. It may be very forcibly brought out by considering the effect of the mixture on one individual cotton plant. The average cotton field contains about 10,000 plants per acre. Suppose you use 300 pounds of fertilizer per acre. (This is not enough, but it is 50 pounds more than the average for the state.) This is 4,800 ounces, say, half an ounce per plant. Each plant receives less than a tablespoonful of the mixture. It is self-evident that a farm laborer, even though of high intelligence, will not and cannot mix fertilizer ingredients in such a way that every tablespoonful of the mixture will be like every other tablespoonful. This means that one cotton stalk will receive too much phosphoric acid and not enough ammonia, another too much potash and not enough of the other elements. The inevitable result is a lower yield of cotton by this process than by the use of machine-made goods.

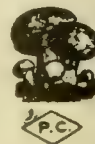
"The money end is, of course, the final measure. But saving money is not the whole story, else it would be better to save the whole ton, say \$30, by doing without, instead of saving President Alexander's \$3-6 by home mixing. Suppose there could be the maximum saving of \$6 per ton, or 30 cents per 100 pounds. If you use 300 pounds per acre, the saving is 90 cents

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat		
Dutch, Surehead, Danish Round		
and Ballhead.....	\$0 20	\$1 00
10,000 and over.....	85c per 1000	
Celery, White Plume, Golden Self		
Blanching, Giant Pascal, Golden		
Heart and Boston Market.....	20	1 00
10,000 and over.....	85c per 1000	

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

per acre. Suppose you are figuring on making a bale to the acre (and no Farmers' union man should be content with less), last season a bale of cotton with its seed was worth \$90. The saving of 90 cents in fertilizer is just one per cent. Therefore, if the farm mixer made a mistake of one per cent in weighing or mixing, the whole saving would be wiped out. It is a certainty from the start that such work cannot be done within one per cent of correct. The risk in home mixing is too great for the possible profit. If a mistake is made, it takes a year to correct it. One year of life is risked on every questionable experiment in farm fertilization."—American Fertilizer.

Providence.

A new disease which threatens the extinction of the cucumber in this state is giving the market gardeners hereabouts considerable uneasiness and has reduced the estimated crop by at least 75 per cent. The melon crop, too, has been ravaged by the same disease and is but half the normal. The ravages of the disease have become so extensive and the amount of the damage already done to the crop so great that the United States government has been appealed to and agents for the State Department of Agriculture are now making an investigation to ascertain just what the trouble is and the remedy for it. Up to the present time the epidemic has reached a stage which has caused a loss of between \$150,000 to \$200,000 to the market gardeners of the state and it is believed that this damage may be even greater before the season closes.

It is reported at the farm of the J. A. Budlong & Sons Co. at Cranston, that the loss will be about \$50,000 on this season's crops. The other market gardeners, it is stated, sustained serious losses. Melons also have fallen a victim and the melon crop of the state is this year reported as less than one-half what it should be. The total damage will, it is estimated, amount to between \$150,000 and \$200,000 in this state. J. BRINTON.

Vaughan's Giant Pansies

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

10 per cent special CASH DISCOUNT. On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1880. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/4 oz., \$1.50; 1/2 oz., \$5.00; oz., \$10.00.

VAUGHAN'S "GIANT PANSY MIXTURE,"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; 1/4 oz., 60c; oz., \$4.00; 1/2 lb., \$14.00.

	Trade pkt.	1/4 oz.	oz.
Aurora, pure white without blotches.....	.10	.20	1.30
Auricula Colors, metallic shades.....	.10	.20	1.25
Black, large true black.....	.10	.20	1.20
Beaconsfield, upper petals light lavender, lower ones deep rich purple.....	.10	.20	1.20
Boulogne Giant. This is a special selection of a French Pansy grower.....	.50	2.00	
Bugnot. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures....	.25	.45	3.00
Cassier, 3 and 5 spotted, an A1 strain.....	.25	.45	3.00
Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal....	.25	2.00	
Emperor William, dark navy blue.....	.10	.20	1.25
"Fiery Faces," very rich scarlet, with a gold edge and yellow center.....	.15	.35	2.00
Masterpiece—New Giant Curled.....	.25	.60	4.00
Pink, lovely shades of pink, same as Hydrangea.....	.10	.25	2.00
Purple, very large, rich deep purple.....	.10	.20	1.00
White, very large, with violet eye.....	.10	.20	1.00
Yellow, immense flowers with dark eye.....	.10	.20	1.00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

Training and Qualifications of a Gardener.

Horticulture in the British Isles occupies a position second only in importance to agriculture. The census in 1901 revealed that there are about 250,000 persons employed in its several departments in this country alone. For centuries horticultural art has steadily advanced, and we have now societies concerned with gardening in most towns of importance, the Royal Horticultural Society alone, with teaching garden at Wisley, and an exhibition hall at Westminster, consisting of about 10,000 members. Horticulture, while being associated with agriculture and botany, occupies a distinct field of its own, says W. Watson in the Standard Encyclopedia of Modern Agriculture and Rural Economy. It is concerned with such subjects as the influence upon plants of temperatures, light, soils and manures, water, air and drainage; such operations as grafting, budding, layering, cutting, seed-sowing, pruning, transplanting, forcing, retarding, and storing; improvement of plants by breeding and selection; the diseases and pests of plants; the formation of gardens, and the production on commercial lines of the manifold parts of plants which are used economically by man.

From this it will be seen that a well equipped professional gardener must go through a course of training of a very varied character. Knowledge by itself is not sufficient; he must acquire skill by actual practice, and considerable experience before he can perform or control the many and varied operations that gardening entails. This training he gets as a rule by working in gardens from boyhood onwards. To qualify as a professional gardener, a boy say of 14 or 15 begins work as an apprentice or garden help. In five or six years he will be fit for the position

Geraniums, Rooted Cuttings

Ricard and S. A. Nutt until Oct. 20, at \$10.00 per 1000, better book your order soon. Poitevine all sold until above date.

Perennial Phlox,

A superb Salmon Pink, strong divisions at \$2.00 per 100 or \$15.00 per 100. (These prices are cash with order.)

ALBERT M. HERR,

of journeyman, working under the supervision of more experienced gardeners. From this his progress will be towards the position of head gardener or manager. The practical side he learns in the working hours of a generally long day, while the theory and bookish side he picks up according to circumstances. Gardening therefore is learnt similarly to the ordinary trades such as carpentry, bricklaying, etc. There are at present only few recognized schools or training colleges for high class professional horticulture. It is doubtful, indeed, if such are of much value in affording that training which enables men to become skilful, practical gardeners of the calibre that is developed by the usual methods.

Generally, the professional gardener is a development from the country lad, who on leaving school finds occupation as a garden boy and owing to circumstances over which he has little control finally emerges as a professional workman. Wages in horticulture are below the standard of wages in this country for skilled workmen generally, while the hours of labor are, on the whole excessive. As a result, horticulture as a means of livelihood fails to attract

Coleus Rooted Cuttings

Verschaffelti Golden Bedder and Fancy assorted among the latter are a good proportion of D. K. Herr's unrivaled Giant Leaved at \$5.00 per 1000 until Oct. 1. (Fine lot ready now.)

Iris, "German"

Mixed colors at \$2.50 per 100, \$20.00 per 1000.

Lancaster, Pa.

the most intelligent lads; fortunately, however, many of those who by force of circumstances become professional gardeners are men of the best type, and the position occupied by British gardeners throughout the world is quite worthy of the race. Commercial horticulture offers more opportunities owing to the extent of the trade plants and garden produce of all kinds, and the best of all training schools for the young gardener is the well-managed nursery or market garden of which there has been an enormous increase during the last 25 years. Not only is the art of cultivation practiced on the most advanced and at the same time economical lines, but business habits are also learned in such establishments. As matters stand at present the best training for a gardener is to work until he is 21 in a private garden, then for two years in a good nursery or market garden, and if after this he can devote a year or two to studying horticulture in such establishments as the botanic gardens of Kew, Edinburgh, or Glasnevin, he will by that time have laid the foundation of a competent knowledge and skill in horticulture.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

We are in receipt of a handsomely got up report of the board of park commissioners of Davenport, Ia., for period ending April 1 last. It is embellished with several illustrations, and carries a mint of news of what was accomplished.

Cutting Down Peonies—Varieties.

ED. AMERICAN FLORIST:—

We cannot always afford to wait to learn from our own experience. Will some one please tell us what is the effect on the next year's buds of cutting peony stems so long as to leave but little foliage, say one or two small leaves? And what will be the result if that little foliage gets accidentally knocked off? Will the buds that form at the base of the flowering stems so cut be strong enough for next year's blooming? Or will the stems produced from those buds next year be only weaklings, giving a feeble flower, if any at all? Some are inclined to insist that if a plant has a reasonable amount of foliage on stems that did not bloom, then the great succulent root will so distribute the juices that the buds at the base of those denuded, and those partially denuded, stems will be all right. If this teaching is correct we can cut to the ground and humor the craze for long stems. We also would like to know if there is a good commercial peony in the Chinensis class earlier than Melanie Henry, Edu-lis Superba, or General Bertrand? Also the best variety, or varieties, later than Festiva Maxima and Whitleyi to prolong the cutting season; other than Drop White which has a short stem.

A. L. G.

There can be no possible doubt that cutting away large quantities of leaf and stem growth is decidedly weakening to peonies and the weakening process is just in comparison with the amount of growth taken. There are always a certain number of flowerless shoots and these being left when the flowering stems are cut carry on the process of sap elaboration in the leaves and return the valuable elaborated sap to the roots. The natural recuperative properties of the peony are great and even if all the growth was cut from strong plants there would still be vigor enough in them to enable them to flower more or less freely, but if it were persisted in every year the plants would be so weakened eventually that they would cease to have any value. Every healthy leaf is of assistance to the roots, so leave as many as possible consistent with supplying good stems with the flowers cut. Never, of course, cut away flowerless stems—leave them to die off naturally. Mme. Calot is an earlier peony than either of those named and some commercial growers in the middle west think highly of it. Felix Crousse would also usually come earlier but is deeper in color, a good red. It is an excellent commercial sort. La Fiancee is a large early white



All plants are quoted
I. O. b.
Western
Standard
Bay.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped
These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.....	\$0.30	\$3.00	\$20.00
12 to 15 in .....	.35	3.50	25.00
15 to 18 in. light .....	.40	4.00	30.00
15 to 18 in heavy.....	.45	4.50	35.00
18 to 20 in.....	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch.....	\$0.20	\$ 2.00
4-inch.....	.35	3.50
5-inch.....	.60	6.00
6-inch.....	1.00	10.00
7-inch.....	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....	\$15.00 per 100
.. .. Pink.....	9.00 per 100
.. .. Red.....	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

and Mme. de Verneville is early, white with carmine center. Marie Lemoine is one of the latest and best of the white rose type with white center and Dorchester is a good late pink. We do not recommend the very latest varieties, however, as a paying proposition. They do not, as a rule, flower so freely as the standard kinds and the flowers of the latter usually kept as long as they are needed in cold storage.

Leaf-Shedding in Conifers.

Leaf-shedding in conifers, due to Botrytis cinerea, is the subject of a leaflet (No. 234) issued by the Board of Agriculture, and it is pointed out therein that the disease is well known both in this country and on the continent. It has been recorded as attacking the following trees: Douglas fir (Pseudotsuga Douglasi Carr), silver fir (Abies pectinata DC.), spruce (Picea excelsa Link), larch (Larix Europea DC.), wellingtonia (Sequoia gigantea Lind. and Gord.). It has also been observed on junipers, and the Scots Fir (Pinus sylvestris L.) has been infected artificially with spores obtained from a diseased larch. Young nursery stock suffers most, but the youngest shoots of very old trees are also attacked.

The first indication of disease is a yellowing of the leaves, which finally turn brown and die, but are frequently prevented from falling, being held in a tuft by a delicate web of brown cobweb-like mycelium. The affected shoots are usually variously twisted or curved downwards. When infection is due to spores conveyed by wind or insects, the uppermost shoots are most frequently attacked, whereas when infection is due to the presence of the parasite in the soil, the lower part of the stem from the ground-line for two or three inches upwards is attacked.

JOHN T. WITHERS, Inc.

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Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing. Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

and the younger branches remain free from injury. Leaves and shoots attacked by the disease eventually fall to the ground, where they remain until the following spring, the mycelium of the fungus present in the tissues having in the meantime given rise to numerous minute black sclerotia or

Calla Bulbs..

Calla Bulbs, fine, 1 to 1½-inch diameter, \$3.00 per 100; \$25.00 per 1000.

Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
Route 1, Box 54. HOLLAND, MICH.

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

compact masses of mycelium, which are more or less buried in the dead tissues. Just at the time when the young pine leaves are appearing, these sclerotia produce myriads of spores, which are distributed by various agents, and infection results.

The spores are capable of directly infecting young leaves, the germ-tube piercing the epidermis, whereas the bark of a two-year-old seedling can only be entered by some wound caused by late frost, punctures of insects, and similar agencies.

PREVENTIVE MEASURES.

1.—Perfect cleanliness in the seed-bed is of primary importance. Weeds should not be hoed up and left to die on the ground in the spring, as the Botrytis grows on all kinds of dying and dead plants, and the spores pass on to the leaves of the seedlings.

2.—In one instance the fungus causing the disease was found to have spread from stable manure, which had been imperfectly buried in the soil. The projecting portions of straw were thickly covered with the botrytis.

3.—The fungus is very dependent on moisture, and only produces spores in a humid atmosphere, hence it is important that damp, low-lying situations should be avoided for nursery purposes.

4.—When the disease is present, spraying with the following solution will check its progress:

Sulphate of copper..... 11 lbs.
Carbonate of copper..... 16 lbs.
Permanganate of potash..... 1 lb.
Soft soap 3 lbs.
Rain water 100 gal.

Every part of the ground within and for some distance beyond the affected patch should be thoroughly wetted. The soft soap should be dissolved in hot water. The remaining ingredients are soluble in cold water.

5.—All diseased seedlings should be collected and burned. — Gardeners' Magazine.

Grows a Blue Rose.

The announcement a few days ago that Alfred Smith, rose specialist, of Downley, Bucks, England, had succeeded in raising a blue rose has drawn letters of inquiry and applications for the rose from all parts of the world. The applications are not only for specimen blooms and buds, but also for trees. Lady Coventry, the new blue rose, is of exceptional quality and color. Its production is the result of four or five years' experimenting. It is a cross between the well-known "Mlle. Eugene Verdier" and several other varieties. The rose, in opening, is vermillion, shaded and veined with intense blue, which predominates and extends until the ruling color is a lovely blue. The blooms are large and handsome, and require no special treatment, while the stock is exceptionally hardy. Mr. Smith has had considerable experience as a grower and exhibitor, having been awarded two medals at the inter-

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.

A BLUE ROSE

The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

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ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glimped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

national exhibition in London in 1892, and half a dozen medals at the Royal Botanic and Crystal Palace shows, besides a host of other prizes and distinctions at shows in different parts of the country. The production of the blue rose has created great interest among

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

florists and those specially interested in rose culture.—Philadelphia Public Ledger.

Extra Fine Rose Stock**Will Close Out at Following LOW PRICES:**

Stock is first-class, except those noted small.

	Each
700 3½-in. Grafted Pink Killarney	10c
250 2½-in.	6c
600 2½-in. Own root (small).....	3c
600 3½-in. Grafted Richmond	10c
1400 2½-in. Own root.....	6c
800 2½-in.	3c
400 2½-in. Grafted.....	6c
75 3½-in. Cardinal	10c
500 3½-in. Own root.....	8c
400 2½-in. Kaiserin	3c

Poehlmann Bros. Co., Morton Grove, Ill.**Some Interesting New Hardy Plants.**

The ever-increasing interest that is being taken in hardy plants must be regarded as, to some extent, responsible for the introduction of many new species from China, which has been steadily going on for some years past. Occasionally at the Royal Horticultural Society's exhibitions one or more of these new plants is to be seen, when it creates something akin to a sensation, after which it is not perhaps seen again for a year or two, until its fortunate owner has enough stock to put on the market. Even when a new plant is shown in quantity it is difficult to accurately gauge its utility for the garden.

Other business having taken us to the Liverpool district recently, we paid a surprise visit to the Sealand nursery of Bees, Limited, the youthful but energetic firm whose offices are situated at Mill street, Liverpool. Though a comparatively young firm, Messrs. Bees have already gained a good reputation as the introducers, through their traveler, Mr. Forrest, of several new hardy plants of unusual merit, notable among them being *Primula Littoniana* and *P. Bulleyana*. Those who visited Holland Park show this year will, no doubt, remember the first-named, the flower-spike of which reminds one more of *Orchis pyramidalis* than a *Primula*.

At Sealand, which is situated on the borders of Flintshire and not far from the River Dee, the firm has secured 200 acres of good loamy land in an open position, and although this is not all under nursery cultivation at present, it is available as such whenever required. Naturally, the new *Primulas* claimed our attention first, and we were much charmed with the way they were growing. In a cleared, open space in a small wood, where the soil is of a clayey nature, large masses of these were planted, and here *P. Bulleyana* was a beautiful sight indeed. Many of the specimens had been in this position for two years, and had formed enormous clumps, one plant that we specially noticed having seven large flower-spikes. The stems of these were nearly two feet high and each stem had four whorls or tiers of the brilliant golden orange flowers fully opened. In the declining rays of the sun, which glinted through the trees, the color of this *Primula* was magnificent. *P. Littoniana*, already referred to, was not quite open in the wood, but in another part of the nursery we saw a large batch of it with the curious cone-shaped flower-spikes partly opened, the fully expanded blossoms being lilac colored and the unopened flowers rich scarlet crimson. *Primula Beesiana* is a new one, so that much has not been heard of it yet, but we think it will prove as welcome as the two named above. It may perhaps best be described as a purple-flowered *P. Bulleyana*, having the same robust habit and tiered flower-stems as that variety. This, and also the new hybrid *P. Unique* were growing and flowering splendidly in the wood.

In the nursery we saw a vast array of new or rare beautiful hardy plants,

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6 in. pots \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

Kentia Belmoreana, 25 30-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each. **Standard Bay Trees**, 1-foot tubs, 7 ft. high from bottom up, 2 x 2 crown, \$8.00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c. **Nephrolepis (Ferns)**, Boston, Scottii, Whitmanii.

Scholzii, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c. **Begonia Lonsdale**, pale pink, 4-in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; and 4-in., 12c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Primula Chinensis, 4-in. pots \$10.00 per 100.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity, 3½-in. pots, strong \$5.00 per 100.

Cash with order, please. All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMAN FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.

250 at 1000 rate.

Magnifica, 2½-inch 15c each.**HENRY H. BARROWS & SON, Whitman, Mass.**

and it would require the whole of one issue of the Garden to enumerate them all. The following, however, specially appealed to us, though all are not new: *Androsace Bulleyana* is a new species from China. The flowers, which are rather small and borne in the usual clusters on stem about nine inches high, are bright scarlet. *Anemone demissa* is a fibrous-rooted species, with single white flowers and palmate foliage. *Codonopsis ovata* is a plant not well known, the pale slaty blue, bell-like flowers resembling in shape those of the smaller *campanulas*. The interior of the bells is very beautifully marked with orange. It grows rather more than a foot high. *Hypericum fragilis* is a new dwarf plant with bright yellow flowers, and somewhat resembles *H. polyphyllum*. It will doubtless prove a useful rock plant. *Campanula pulloides* reminds us of *C. pulla*, the plants forming neat tufts some six inches high, the foliage being almost obscured by the rich violet blossoms. *C. garganica alba*, a white form of the well-known plant, was romping away over the soil, creating quite a sheet of white and green. *Ajuga omniflorum* is a dwarf, very free-flowering member of the bugloss family, the sturdy growths being freely clothed with rich blue flowers.

The strain of *Primula* which we saw here was an exceedingly good one, and we think Messrs. Bees are fully justified in naming some of the more distinct varieties. Two that we much admired, and which were exceedingly free-flowered, were *Major Bee*, a hose-in-hose blossomed plant, the color being cream, blotched crimson. *Alpinus Bril-*

Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00
Chinese Primroses, 2½-in.	3.00	25.00
Christmas Peppers, 2½-in.	2.50	
3-in.	5.00	

500 at 1000 rates. Cash with order.

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4911 Quincy St., CHICAGO

SPECIALTIES.

Roses, from 3-in. pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,
New York.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

liant may be described as a good crimson-scarlet flower with an inconspicuous yellow throat; one of the most brilliant monkey-flowers we have ever seen. The strain of that brilliant blue-flowered plant, *Anchusa Italica* Dropmore variety, that Messrs. Bees have

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

at Sealand is an exceptionally good one. At the time of our visit two long rows were creating a picture of rare beauty, the plants being about four feet high, much branched, and smothered with the large, brilliant blue flowers. We also noticed good collections of named pyrethrums and many other first-class hardy plants, all of which were in good condition. In addition to hardy plants, Messrs. Bees have a large collection of the best standard and new varieties of roses, as well as hardy ornamental-foliaged and flowering trees and shrubs. We were much interested in the way propagation is carried on at these nurseries, large cloches being used for the purpose. The propagating department resembled at first sight a section of an intensive culture garden. Apparently the system answers well, as the newly rooted plants of various kinds that we saw had a very robust and healthy appearance. We presume that visitors interested in rare hardy plants would be welcome at the Sealand nursery.—The Garden.

The Arctic Flora.

In exhibiting two recent collections of plants from Greenland and Ellesmere Land to the Torrey Botanical Club, Dr. Rydberg brought out several interesting facts relating to the flora of those ice-bound regions. There are about 150 different species of plants north of the Arctic circle and with the exception of the grasses and sedges, all of these are dicotyledons. One other monocotyledon, *Tofieldia palustris*, is found in northern Greenland. Twenty-six families of plants are represented. Nearly all the plants are perennials with low and densely tufted stems and thick rootstocks. There are probably not half a dozen annual plants in the flora, and the woody species are scarcely more numerous. Of course there are no trees but there are several shrubs or rather bushes; among them the dwarf birch (*Betula flabellifolia*), three willows (*Salix Groenlandica*, *S. anglorum* and *S. herbacea*), the crowberry (*Empetrum nigrum*), a blue-berry (*Vaccinium uliginosum microphyllum*) *Cassiope tetragona* and *Diapensia lapponica*. Most of the shrubs belong to the great heath family (*Ericaceae*) and several other members of this family extend nearly to the Arctic circle, notably marsh rosemary (*Andromeda polifolia*), Mountain heath (*Phyllodoce coerulea*), Labrador tea (*Ledum decumbens*), Lapland rice bay (*Rhododendron Lapponicum*), trailing azalea (*Chamaecistus procumbens*) and *Cassiope hypnoides*. More than three-fifths of the plants are circumpolar, that is, they are found in all lands that extend into Arctic regions.—American Botanist.

DES MOINES, IA.—Jas. S. Wilson, Jr., made an automobile trip last week to Chicago, where he is visiting friends.

PEONIES

Place your orders now for
September and October planting.

We have an exceptionally large stock, all of our own growing, all trued up. Our list comprises all of the very best sorts, such as:

Duchess de Nemours (Calot)	Madame de Verneville,
Jeanne d'Arc,	Delachi,
Marie Lemoine,	Festiva, true,
Delicatissima,	Festiva Maxima,
General Cavignac,	Lee's Grandiflora Rubra,
Edulis Superba,	Floral Treasure,
Officinalis Rubra Superba,	Richardson's Rubra Superba
Dorchester,	

Also many other sorts.

SEND FOR COMPLETE LIST WITH PRICES.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO
25 Barclay St., NEW YORK
Greenhouses and Nurseries, Western Springs, Ill.

Miscellaneous Plants

CYCLAMEN

Fine stock for immediate sales.

	Doz.	100	Doz.	100
2-in.....		50	2-in. Assorted Ferns, dishes...	\$3 00
3-in.....	\$1 00	7 00	4-in. Celestial Peppers,	7 00
4-in.....	2 00	15 00	4-in. Jerusalem Cherries, ..	7 00
2½-in. Boston fine stock.....		4 50	2½-in. Cocos Weddellana.....	\$2 00 15 00
4-in.....	\$2 00	15 00	4-in. Araucaria Excelsa,	Each Doz.
5-in.....	3 00	25 00	2-3 tiers.....	\$ 50 \$6 00
2½-in. Whitman,		5 00	6-in. Araucaria Glauca,	1 75
4-in.....	2 00	15 00	3-4 tiers.....	
5-in.....	3 00	25 00	6-in. Araucaria Compacta,	1 75
2½-in. Amerpohl,		4 50	3-4 tiers.....	
2-in. Asparagus Sprengeri,		2 50	Kentia Belmoreana,	Each
3-in.....	1 00	6 00	6-in. pot, 5-6 leaves.....	\$1 25
			4-in. pot..... per 100.	\$35.00 35
			2½-in. pot..... per 100.	10.00

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

GRAFTED ROSE PLANTS

Young Stock. Very Choice, Strong Plants

400 Richmond, 3-inch, at.....	\$12.00 per 100
2000 Pink Killarney, 3½ and 4-inch, at.....	15.00 per 100
500 Pink Killarney, 3-inch, at.....	12.00 per 100
1000 White Killarney, 3½-inch, at.....	15.00 per 100

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN

Office and Store: 76 Wabash Ave., CHICAGO.

Greenhouses: HINSDALE, ILL.

BATAVIA, ILL.—D. B. Hazen is sending out to customers and others an excellent little leaflet advertising his landscape work. It is well written and convincing and should bring him good results.

WILLIAMSTOWN, N. J.—Edw. Kurzius has under cultivation a Mexican fire plant. This is a new industry, which promises to become extensive. The plant is of fine foliage and commands a good price. Mr. Kurzius shipped a carload recently to Atlantic City, N. J.

800 Apple Blossom

Extra fine heavy and clean plants from field, \$6.00 per 100.

BARD & DAVIS,
Syracuse, New York.

STOCKBRIDGE, MASS.—Lord & Burnham have been awarded the job to install the iron work on the new greenhouse being erected for Miss Ellen King.

VOLUME
1
NUMBER
9

Boddington's Store News

SATURDAY SEPTEMBER 3, 1910.

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order.

'QUALITY' CHRISTMAS SWEET PEAS.

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST AND SEPTEMBER.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kinks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 4 cts., ½ lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac. marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. P. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Good Plant Stock For Sale

5000 American Beauties, at..... 3c
2000 Maids, at..... 5c
300 Gardenias, extra fine .. 15c
All plants in 4-in. pots.
Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Carnations

F. DORNER & SONS CO.
La Fayette, Ind.

Where Comeliness is Not Wanted.

"Cashier—an ugly cashier; permanent position; apply at once."—Florist. The startling advertisement above appeared among the "Wants" in St. Louis papers, and it is probable one of the few cases on record where personal unattractiveness was listed as being one of the desired qualifications among candidates. Too many wedding bells for previous cashiers is the reason for the attempt on the part of the firm to get an "ugly" cashier. It is not desired to have one who is "ugly" in temper or who would become "ugly" when aggravated. The short word applies solely to the woman's outward appearance and her disposition may be as fine as possible. Five cashiers, formerly in the employ of this concern, not ugly, have

A New Fern

NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRASH,

463 Summit Ave., West Hoboken, N. J.
Mention the American Florist when writing

Marechal Niel Roses...

Extra Choice, 2½-inch,
\$3.50 per 100; \$30.00 per 1000.

What do you need in rose plants, now or spring?

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

resigned during the year to handle the money of a man, not a firm, and sometimes their departure has been so unexpected as to inconvenience the employers, who had to fill the place. Even when notice was given the firm's members found themselves growing weary of continually hiring and breaking in cashiers only to have them quit the job in a few months to take a life position somewhere else.

FERNS

One of our specialties is growing up to 8-in. and 10-in. for vases, baskets, etc. Our varieties include

	2½-in.	3-in.	4-in.	5-in.
Bostons.....	\$5 00	\$10 00	\$15 00	\$25 00
Whitmani.....	7 50	15 00	25 00	50 00
Amerpohli.....	7 50	15 00	25 00	50 00
Scottii.....	7 50	15 00	25 00	50 00
Plumosus.....	3 50	8 00	15 00	25 00
Sprengeri.....	2 50	5 00	12 50	25 00
Maiden Hair.....	5 00	15 00	25 00	
Small Ferns.....	5 00			

	6-in.	7-in.	8-in.
Bostons.....	\$40 00	\$ 60 00	\$100 00
Whitmani.....	75 00	100 00	150 00
Amerpohli.....	75 00	100 00	150 00
Scottii.....	75 00	100 00	150 00
Plumosus.....	50 00	100 00	
Maiden Hair.....	Specimens 10-in. and up, \$2.50		
Primroses, Chinese Obconica and Ferbesii, 2½-in. at \$5.00; 3-in. \$8.00 per 100			
Cyclamen, 2½ in. at \$5.00; 3-in. \$8.00 per 100.			
Celestial Peppers, 2½-in. \$2.50; 3-in. \$7.50 per 100.			
Jerusalem Cherries, 2½-in. \$4.00; 3-in. \$8.00 per 100.			

Poinsettias, 2½-in. at \$6.00 per 100.
Cinerarias, 2½ in. at \$5.00 per 100
Hydrangeas, 2½-in. \$5.00; 3-in. \$8.00; 4-in. \$12.50
6-in 5 c. and 9 in. \$1.00.
Flowering Begonias, 3-in. at \$5.00 per 100.
Rex Begonias, 2½-in. at \$5.00; 3-in. \$10.00; 4-in. \$25.00 per 100.
Fancy Caladiums, 4-in. at 25c each.
Araucarias, fine plants at \$1.00 each. A special bargain.
Extra good values in all kinds of Ferns—Bostons, Whitmani, Amerpohli, Plumosus, Sprengeri and Maiden Hair.

Ask for our other lists in season.

GEO. A. KUHL, Wholesale Grower,
PEKIN, ILL.

For Reliable Stock
From Reliable Dealers
Keep Tab on Advt. in THE FLORIST.

Heacock's Palms Are The Best All-'Round Decorative Plants Your Trade Can Buy



THERE still remain several weeks of "out-door" weather in which your customers will want to keep their verandas and lawns attractively decorated, but the time is not far away when the will want plants to brighten up the inside of the house.

This affords a splendid opportunity for you to sell more Palms—there is no better all-round plant for indoors and out, winter and summer, than a good Palm. Our Palms are grown so that they are really the best you can get. They are profitable for you to handle, assure satisfaction to your trade, and make it easier for you to sell, not only more Palms, but more of other things as well.

Our Palms are clean, well grown, attractive stock; the kind you'll be glad to handle if you're not already carrying them. We've had a busy season, but there is still an excellent stock to select from. Look over the list and let us know your wants NOW.

ARECA LUTESCENS

Pot	Plants	In. high	Each
6-in.	3	26 to 28	\$1 00
7-in.	3	30 to 32	2 00
8-in.	3	36	2 50
8-in.	3	42	3 00

COCOS WEDDELIANA

Pot	In. high	Per 100
2½-in.	8 to 10	\$10 00
2½-in.	10 to 12	15 00

KENTIA BELMOREANA

Pot	L'ves high	Doz.	100
5-in.	6-7 18	\$6 00	\$50

	Each	Doz.
6-in. 6-7 22-24.....	\$1 00	\$12
6-in. 6-7 24-26.....	1 25	15
6-in. 6-7 26-28.....	1 50	18

Pot or Tub	6-7 34-36	2 50	30
7-in.	6-7 36-38	3 00	
7-in.	6-7 40-45	4 00	

Tub	9-in.	6-7 42-48	Each
9-in.	6-7 48-54	\$5 00	
9-in.	6-7 5-ft.	8 00	

KENTIA FORSTERIANA

Pot	L'ves high	Each	Doz.
6-in.	5-6 28-30	\$1 00	\$12
6-in.	6 34-36	1 50	18

Made-up Kentia Forsteriana

Tub or pot	Plants in pot	In. high	Each
7-in.	4	36	\$2 50
7-in.	4	36-40	3 00

Tub	Plants in tub	In. high	Each
9-in.	4	42-48	5 00
9-in.	4	4-ft. h'vy	6 00
12-in.	4	6-ft. h'vy	15 00

CIBOTIUM SCHIEDEI

Ready in Sept. Stock limited.

Tub	Spread	Each
9-in.	4 to 5-ft.	\$6 00
9-in.	6-ft.	7 50

PHOENIX ROEBLENI

Pot	Nicely characterized	Each
5 in.		\$1 00
6 in.		1 50
-in.		2 00

"When in Philadelphia Be Sure to Look Us Up"

Joseph Heacock Co., Wyncote, Penna.

Railway Station: JENKINTOWN

Lilies for the Home Garden.

Portion of a paper read before the Massachusetts Horticultural Society by E. S. Miller, Wading River, N. Y., March 12, 1910.

The lily has been given us in song and story for 3,000 years. Solomon sang of its grace and loveliness. Other writers in the Old and New Testaments have mentioned its beauty. Poets have sung of its worth and loveliness down to the present time. We have this mythological account of its origin: "Jupiter wished to make his boy Hercules (born of a mortal) one of the gods; so he snatched him from the bosom of his early mother, Alcmena, and bore him to the breast of the godlike Juno. The milk is spilled from the full-mouthed boy as he traverses the sky (making the milky way), and what drops below stars and clouds and touches earth, stains the ground with lilies."

The identity of the different species is wrapt in obscurity. While *Lilium Chalcedonicum*, the scarlet martagon, covers the plains of Syria, and *L. candidum*, the annunciation lily, grows abundantly in these regions, it is generally conceded that the lily of the field, mentioned centuries later, was the anemone. Notwithstanding the early obscurity of the species referred to in the Bible we find that *L. Chalcedonicum* and *L. candidum* were introduced into England prior to 1590, over 300 years ago. Gerarde in his herbal, published in 1596, speaks of *L. candidum* as an old and well-known flower, and mentions martagon lilies as being under cultivation as early as 1562. *Pyreniacum* was brought from the Pyrenees to England before this date. In this time much has been written of them, and about 150 species and varieties have been introduced to cultivation.

Parkinson in his "Paradisus or Garden of Pleasant Flowers," published in

1689, gives the lily the most prominent place, "because (as he says) the lily is the more stately flower among manie." He mentions 13: five varieties of the martagon imperial, among them the spotted martagon of Canada (our native *Canadense*); six varieties of the umbellati lilies; croceum, the golden red lily; bulbiferum, the red bulbous lily; and the remaining two he describes as white lilies. He adds: "the martagon is so common I will not lose time to bestow many lines upon it."

Kaempfer, Linnaeus, and Thunberg described several species and varieties as early as 1712. The earliest attempt to publish a monograph of the genus *Lilium* was in 1847, by Spae. He, being a skilled horticulturist and botanist, based his work on careful observations of living forms, making it by far the most complete and useful account of the genus, until DuChatre of Paris, Baker of Kew, and Max Leichtlin of Carlsruhe gave the results of their labors to the world in 1870. In 1879 Prof. Sereno Watson published his revision of "North American Lilies," a very complete work. Other workers have given the results of their labors in various publications. The finest work devoted exclusively to lilies is a monograph of the genus by Henry John Elwes, published in 1880, containing about 50 folio plates colored by hand, illustrating over 60 species with very full and accurate description, life history, classification, geographical distribution, habitats, culture, etc.

Very little literature is found in American publications previous to 1870. Since that time the horticultural press has given us notes and articles on the subject, but mostly on forcing lilies, and quotations from foreign publications. If, however, the amateur looks

to foreign publications for notes and cultural directions, he finds they are not suited to his needs in this climate. As for instance telling us to grow *Lilium tenuifolium* (from seed) "in a hot-bed, at a temperature of 70°; and in pots or pans of turfy loam, peat, and leaf-mould with the addition of one-sixth part of silver sand; also the seeds to be covered with fine soil to a depth equal to the diameter of the seed, i. e. one-eighth of an inch, and gently watered; when the plants appear to remove them to a vinery or greenhouse, where they should be placed in an airy position, kept well supplied with water, which in September should be gradually withheld and discontinued after October; the seeds to be placed so far apart that they can grow in the pots or pans as sown (an inch to suffice); in November to pot them singly in 4-inch pots or three of them in a 7-inch pot and to winter them in a cool greenhouse."

Now, if this early treatment should be practised here the chances are we would have no use for the directions for culture after September, for in our humid days in July and August the novice would find about 90 per cent of his seedlings had disappeared from damping off. Here, we sow all the lily seeds outdoors in well-prepared beds five feet wide, in rows one foot apart, covering the seed about an inch with not too fine soil. Instead of an inch apart we sow five to ten or more seeds to the inch; covering the bed thinly with excelsior at once. As soon as the plants appear, we remove the excelsior.

Neither are the dealers' catalogues, with a dozen lines of cultural directions, of much assistance. While lilies have been cultivated extensively for nearly three centuries in England very

Dreer's Araucaria Special

Exceptional values in Araucarias for Immediate Delivery.

Araucaria Excelsa (Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

		Each
4-inch pots, 5 to 6 inches high.	2 tiers.....	\$0 30
5-inch pots, 10 to 12 inches high.	3 tiers.....	60
6-inch pots, 13 to 15 inches high.	3 to 4 tiers.....	75
6-inch pots, 14 to 16 inches high.	4 tiers.....	1 00
7-inch pots, 16 to 18 inches high.	4 tiers.....	1 25

Araucaria Excelsa Glauca.

5-inch pots, 8 inches high.	2 tiers.....	75
6-inch pots, 10 to 12 inches high.	3 tiers.....	1 00
7-inch pots, 13 to 15 inches high.	4 tiers.....	1 50

Araucaria Robusta Compacta.

6-inch pots, 8 inches high.	2 tiers.....	1 00
6-inch pots, 10 to 12 inches high.	3 tiers.....	1 25
7-inch pots, 12 to 14 inches high.	3 tiers.....	1 50

Write us for Special Prices on advance orders for
HARDY PHLOX and PEONIES for Fall Delivery.

For a complete list of seasonable stock, see our Current Wholesale List. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

Little attention was paid to them here previous to 1850. When this country was colonized, Michaux, Pursh, Bart-ram, Collinson, and others collected and sent bulbs of our east-coast lilies to Europe, where they have been extensively grown since. Comparatively few varieties of lilies are grown here even today. When *L. speciosum*, *L. auratum* and their varieties were introduced they gave an impetus to lily culture. Magnificent results have been obtained in the culture of these, particularly *auratum*, in the vicinity of Boston and elsewhere.

From 1860 to 1870 the west-coast varieties were discovered and introduced. There seems to be no more interest in growing now than in the 60s or 70s. Could not this be remedied by more vigorous, aggressive work by the press and dealers? Taking up a dozen catalogues offering lilies, I find one offers 38, one 22, one 13, and the rest less than a dozen varieties, while one dealer in 1876 offered over 40 varieties, and in 1880 one firm offered 59 varieties, having them in stock. This offering only a few varieties, and the fact that the dealers tell you that they are hardy, are two causes why lilies are not more generally grown. I am speaking now of the home garden of the average flower lover. In the gardens, for instance, in the rural districts where flowers are grown, the tiger lilies are often seen, and occasionally *auratum*, *speciosum*, or *elegans*, but beyond this the lily family is not represented. Few people succeed with lilies outside of the varieties mentioned. Failures result from various causes such as lack of knowledge of the varieties best suited to the climate, soil, location and cultural treatment. Some people will succeed with lilies in situations where others fail. Some will succeed with one manner of treatment while others will succeed with another.

As a rule all lilies are given as hardy by the dealer and the majority are, under certain conditions, but the climate is so varied in this country that lilies that are hardy in one section may not be in another; for instance, they are able to withstand the winter in Maine, New Hampshire, and Vermont, while they will succumb on Long

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,
\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Island, New Jersey, and even farther south, because the ground usually has a blanket of snow in the northern states all winter, while on Long Island and farther south the ground freezes and thaws all winter and snow rarely covers the ground for more than a week at a time, and then only three or four times during the winter. This is death to most lilies; the frequent freezing to a slight depth lifts the bulbs and pulls them off the roots the same as it does with many perennials. Iris Kaempferi often freezes out this way. *Funkia subcordata alba* we have to lift and heel in over winter. I have had seedling *tenuifolium* and sets of other lilies, where they were not covered, frozen out so they were entirely out of the soil.

Now we imitate the snow blanket by using coarse stable manure, or gladioli tops, which is our most available mulch. Particularly tender sorts we plant in frames, mulch with litter, and cover with sash or tight shutters to carry off the water. If sash are used we cover lightly with litter to keep out the sun. We never mulch until the ground freezes, to avoid giving the nice a harbor. In my early days I bought a lot of lilies, among them *L. Hansoni* at \$5 each. Thinking to do well by them, I prepared a fine border in early fall, planted them carefully at the proper distance and depth. To make sure that they would not be in-

Carnation Plants

Field grown, good stock, \$5.00 per 100.
10,000 Enchantress. 5000 Beacon.

D. T. MCCARTHY & SONS,
NURSERYMEN AND FLORISTS,
Lockport, New York.

jured by frost I gave them a heavy covering of leaves before the ground froze, thinking I would have a good show the next year. When I uncovered them in spring, to my dismay, I found that the mice had destroyed every one.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Bequests of Baron Schroeder.—In addition to the £1,000 bequeathed to the Gardeners' Royal Benevolent Institution, the following also appear in the will of the late baron: £500 to the Royal Gardeners' Orphan Fund. To his gardener, Henry Ballantine, in addition to the bequest of £1,000, one original orchid, to be chosen by him, and all smaller plants which have been taken from it. To his orchid-foreman gardener one original orchid, to be chosen by him after Henry Ballantine has made his choice, and also all smaller plants which have been taken from it.

TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Fassiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100;
Chrysanthemums, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengerii, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

Salvia, Bonfire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengerii, strong plants from 3-in. pots, \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Ferns

Whitmani, 3-inch stock, 6c.; 4-in. \$1.50 per doz.
Superbissima, 4-inch, 15c. 6-inch 25c each.

W. W. COLES,

KOKOMO, INDIANA.

Mention the American Florist when writing

Post Office Flower Show.—The postmaster-general and Mrs. Samuel, accompanied by Sir Matthew Nathan, secretary to the post office; J. Newlands, the controller, and J. Willshire, deputy controller, visited last week the annual exhibition of the Central Telegraph Office Amateur Gardening Association, which has 330 members. One of the large rooms at St. Martin's-le-Grand was filled with exquisite blooms, roses and sweet peas being especially fine. Features of the exhibition were a display of 100 different cacti by Mr. Doree, of Ilford, and a very fine show of foliage plants by Mr. Pincock, also of Ilford. Competition in all the sections was remarkably keen, and Mr. Samuel was warm in his commendation of the results obtained. Mrs. Samuel was presented with a floral basket by the lady supervisors.

A Blue Rose.—Alfred Smith, of Downley, near High Wycombe, who has a nursery garden in proximity to the Hughenden Manor estate, has, after much perseverance, succeeded in raising a beautifully shaded blue rose, said to be the most distinct variety yet produced. He has given it the name of Lady Coventry. Among other specimens is a new climbing rose (grown from a wild dog rose, and blended with a cultivated rose), which is remarkably prolific in bloom, pure white and deliciously scented. These roses bloom in clusters of from 40 to 60, and are appropriately named Snowdrift. This florist has also been successful with carnations, some of which bear the distinguished names of John Hampden, Lord Wendover, Sam Fay, Mary Hamilton, and Barbara Dean.

Fraud in Seeds.—At a meeting of the council of the Central and Associated chambers of agriculture on July 12, C. Bathurst, M.P., said much fraud was perpetrated in the sale of seeds. In the purchase of clover seeds people sometimes got an addition of worthless seeds which were similar in appearance. These seeds were sterilised, so as to avoid the consequences which might ensue when a mixed crop made its appearance above the ground.

SOUTH SUDBURY, MASS.—S. N. Anderson is bankrupt.

Asparagus Primroses

	Per 1000	Per 100		Per 1000	Per 100
Sprengerii , 2½ in. pots.....		\$2 00	Kewensis , Yellow.....		\$2 00
Ready Sept. 15.			Chinese and Forbesii	\$18 00	2 00
Pansy Seed , new crop.....	Per oz.		Obconica Alba and Rosea.....		2 00
Giant Flowering.....		\$4 00	Obconica Gigantea	25 00	3 00
—Cash, No C. O. D.—					

JOS. H. CUNNINGHAM, Delaware, O.

VIOLETS

	Per 100	Per 1000
Gov. Herrick, Princess of Wales, fine field-grown plants.....	\$5 00	\$45 00
Lady Campbell.....	4 00	35 00

Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengerii.

2½ in. \$2.00 per 100; 300 for \$5.00

Celery and Cabbage Plants.

Best varieties.....\$1.00 per 1000; \$7.50 for 10 000

Parsley, double curled..... \$1.50 per 1000

J. G. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins. Grant. La Favorite. R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud. Castellane. Poitevine Jaulin. Ricard. Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitmani Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vines Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates. Killarney, 3-in. \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

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**The Remedy for
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Troubles.**



**A Guaranteed
Investment With
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NON-RETURN.

VACUUM.

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Asparagus Sprenger, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

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Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

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Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 60c each; \$6 per doz.; 6-in., \$1 each, \$10 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Western Springs, Ill.

CYCLAMENS.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

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Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmanus, Newton, N. J.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

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Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitmani, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Ferns for dishes, asst., 2-in., \$3 per 100. Amerpohli, 2½-in., \$4.50 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Ferns, Elegantissima, improved, 6-in., 50c Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantissima Compacta, 4-in., 25c; 3-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-inch pans, \$1. F. R. Pierston Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Scottii, Whitmani, Scholzell, 4-in., 25c; 5, 5½ and 6-in., 35c to 50c. Ferns for dishes, assorted, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns from bench, Boston, Elegantissima, 4-in., 10c; 5-in., 12½c. Whitmani, Amerpohli, 3, 4 and 5-in., 8c, 12c, 15c. Scottii, 3-in., 6c; 4-in., 10c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 2½-in., 5c. Whitmani and Elegantissima, 3-in., 10c; 2½-in., 5c. Piersoni and Elegantissima, 4-in., 15c. Mosback Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., \$3 per 1,000. Whitmani, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Witmani, 4-in., 25c; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmanus, Newton, N. J.

Ferns, Whitmani, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Neph. Giatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt. Jean Vland, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Costelline, Poitevine Joulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Salleroi, 2-in., \$3 per 100. G. M. Emmanus, Newton, N. J.

GERANIUMS. Good stock for immediate delivery: Nutt. Poitevine, Vland, Buchner, from 2½-in. pots, \$1.75 per 100; \$15 per 1,000. R. C., \$1.25 per 100; \$10 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, rose, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, 3-in., asst., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Ricard and S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Providence St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, galax leucothoe, evergreens and ferns, laurel wreathing, needle pines, sheet moss. Swan & Cheggin, Roan Mountain, Tenn.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 3 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

HARDY PLANTS.

HARDY PLANTS. All of the most desirable kinds. Give list of wants and we will quote prices. Wagner Park Conservatories, Sidney, O.

Hardy Perennials. Special prices on field-grown stock. Mosback Greenhouse Co., Onarga, Ill.

Perennial phlox, divisions, \$2 per 100; \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Iris, German, mixed, \$2.50 per 100; \$20 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants, Bobbink & Atkins, Rutherford, N. J.

German Iris, 50 vars., \$6 per 100. Japan Iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy field-grown plants, \$8 per 100. Mosback Greenhouse Co., Onarga, Ill.

Jerusalem cherries, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Jerusalem cherries, 2½-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley, Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest, and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids, Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds, Gretsch & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

PALMS.

Palms, For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechsli, 4911 Quincy St., Chicago.

Celestial peppers, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

POINSETTIAS.

Poinsettias, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

PRIMULAS.

Primroses, Chinese Forbesii, Obconica, alba. Ilac, rubra, hybrids, rosea, \$2 per 100. Gigantea, Carminea, Kowensis, Saragutina, \$3 per 100. Byer Bros., Chambersburg, Pa.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and gigantea in 10 selected var., good value, \$3 per 100; 500 or more \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken, P. O., N. J.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. KEWENSIS, 3c. J. L. Schiller, Toledo, O.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Primulas, Chinese and Obcoinea, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 8, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chatenay, Killarney, Etrole de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses, My Maryland, 3-in., \$5 per 100; P. Killarney, 3-in., \$5 per 100; W. Killarney, 3-in., \$7 per 100; K. A. Victoria, 3-in., \$7 per 100. Cash with order. Harry Heintz, West Toledo, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonfire, 3-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Seeds. Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Asters. Elmer D. Smith & Co., Adrian, Mich.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

150 3-inch Smilax. Will exchange for Sprenger seedlings. Albert J. Mueller, Carlinville, Ill.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STEVIA.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, \$1 per 1,000. Parsley, Double Curled, 25c per 100; \$1.25 per 1,000. Cabbage, Premium Flat Dutch, Danish, Ball Head, Sure Head, etc., 75c per 1,000 in any quantity. Give us your order. We can please you. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VIOLETS.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

TO EXCHANGE.

Wanted on exchange basis, carnations, roses, 2½-inch Dracena indivisa, for small asparagus ferns and geraniums or field-grown Jerusalem cherries and perennials. Mosback Greenhouse Co., Onarga, Ill.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 32-36 Randolph St., Chicago.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 34 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Henshaw & Fenrich, 51 W. 28th St., New York.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Truendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo., 739 Buckingham Pl., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 58½ Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids, Mich.—Henry Smith.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Milwaukee—C. C. Polliworth Co.

Montreal—McKenna.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—Alex. McConnell, 571 5th Ave.

New York—Myer, Florist, 609 Madison Ave.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.

St. Louis—F. H. Weber, Boyle and Maryland Aves

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

New boiler, 40 horse power, contains 56 3-inch flues, 12 ft. long and 4 ft. in diameter, cheap. C. C. Pollworth Co., Milwaukee, Wis.
 Gem City Return Tubular Firebox boilers.
 The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.00; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material, cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames, Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

Coal, genuine Olympia Pocahontas, Anthra-Bit. Ideal coal for florists. Eldridge Coal Company, Telephone Harrison 5788.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{1}{8}$ and $\frac{3}{16}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. Kling Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron, Lord & Burnham improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

New Imported Florists' Baskets. The Radelin Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

Twemlow's Old English liquid putty. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Richmond carnation supports. Eagle Machine Works, Richmond, Ind.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand, Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Wrought pipe and fittings, heating boilers, valves. McArdle & Cooney, 507 Arch St., Philadelphia.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. F. Kehr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

EVERYBODY'S PAINT BOOK (Gardner).—The author has given in this book easily understood instructions for painting anything from a board fence to a fine room and so well is it illustrated that almost every tool a painter needs is shown and described. The perusal of this book will save much money to those who have a bent for this kind of work. It contains 180 pages. \$1.

American Florist Co. 324 Dearborn St. CHICAGO.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Eldridge Coal Company



SOLE AGENTS FOR
**GENUINE OLYMPIA POCAHONTAS,
ANTHRA-BIT** THE IDEAL SMOKELESS COALS FOR FLORISTS' USE.

Special Prices for Immediate Delivery.

Prices Will Advance September 1st.

Our Yards Cover the City. All 'Phones Harrison 5788.

GENERAL OFFICES:
215 Dearborn St., CHICAGO.

WHOLESALE DEPARTMENT, CAR LOADS FOR TRACK DELIVERIES

THE ALLIED TRADES

Illinois Miners Gaining.

Chicago.—The prediction contained in this column last week that coal operators in the Illinois field were losing ground in their controversy with the miners' union officials, and that individual operators would break away piecemeal from the governing body, is come true.

Several of the mining concerns, being hard pressed to cover their obligations in the matter of coal contracts, and not caring to undergo further financial losses by keeping their mines inactive, have signed the demands of the Illinois miners, as promulgated by the Peoria convention. The following coal firms signed the agreement: Marion County Coal Co., Centralia; West Virginia Coal Mining Co., Marion; Girard Coal Mining Co., Girard; Girard Collieries Co., Virden; Galatia Coal Co., Galatia; Tice Coal Co., Tice, and the Acme Coal Co., Streator. Two companies in the preceding list are members of the Illinois Coal Operators' association.

President Walker of the United Mine Workers' Union of Illinois is quoted as saying that the strike will be ended in a short time. On the other hand, the Illinois coal operators say they are determined to fight this matter to the last ditch. W. P. Rend, one of the heaviest operators, at a recent meeting, suggested a possible means of ending the trouble by requesting President Taft to step into the fight and lend his aid toward ending the conflict. Former President Roosevelt was appealed to, too, but Mr. Roosevelt is occupied in other directions at this time and could not see his way clear to entering into this trouble. From a document emanating from the officials of the Illinois coal operators, we quote the succeeding: "There still remains 136 association operators that have not signed with the miners, employing approximately 51,529 men and representing an annual tonnage of 35,000,000, or over two-thirds of the entire tonnage of the state. The operators who continue to resist the demands of the strikers average a yearly production of 265,000 tons. There never has been so few defections in any previous strike of long duration. Our position is strongly supported by both the railroads and the larger manufacturers consuming Illinois coal, and no pressure has been brought to bear upon the operators by any such interests to terminate the fight against the strikers."

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS COALS

Preparation and Quality as They Should Be.

We Make a Specialty of Supplying the Florist Trade

Miners and shippers of the following grade of coal:

**Sunshine,
Indiana Brazil Block,
Pocahontas,**

**West Virginia Splint,
Youghiogheny and
Southern Illinois.**

Write us for names of satisfied customers, both as to quality and service, who have used our coal for the past five to ten years.

Write for our prices before placing your contract.

Phone Harrison 4108.

R. C. Whitsett Coal & Mining Co.,

**355 Dearborn Street,
CHICAGO.**

An official prepared a list of 21 of the larger coal companies of the state whose officials pledged themselves by signing indemnifying bonds to remain firm against the demands of the miners. These concerns produce a total of 17,500,000 tons of coal annually, and include the O'Gara Coal Co., the Madison Coal Corporation, the Spring Valley Coal Co., Peabody Coal Co., Big Muddy Coal and Iron Co., and the Coal Valley Mining Co.

Important Change of Officials.

Through the resignation of W. J. Cook from his official connections with the Berwind Fuel Co., Berwind-White Coal Mining Co. and the F. G. Hartwell Co., some changes of considerable moment took effect September 1. The positions of secretary and treasurer left open through Mr. Cook's resignation fell to Victor R. White, the efficient official of the Berwind-White Coal Mining Co. Mr. Cook's resignation also necessitated a number of changes in the F. G. H. Hartwell Co. E. J. McQuid, who has been with the company many years, becomes manager.; Lee A. Spindle, treasurer, and Wm. E. Proctor, Jr., secretary.

Want Joint Rates.

Washington, D. C.—Refusal of the Pennsylvania railroad and the New York, New Haven & Hartford railroad to establish through routes and join the rates on coal shipped from the Allegheny field in Pennsylvania to New York and New England points, via Jersey City, is made the burden of a complaint filed with the interstate commerce commission by the Bader Coal Co. of Boston, Mass. It is requested that the defendant lines be required to establish through routes and joint rates on Allegheny coal to all New York and New England points.

Greenhouse Building.

Eugene, Ore.—Misses Ida and Harriet Patterson, one conservatory 40x130 feet.

Batavia, N. Y.—L. C. Stroh & Son, two greenhouses, one 25x100 feet and the other 25x133.

Lawrence, Mass.—E. W. Blair, one greenhouse.

Watervliet, N. Y.—J. G. Zimmerman, rebuilding greenhouse.

Allentown, Pa.—Ernest Ashley, two greenhouses, 21x125 feet.

Caldwell, O.—Reisling Bros., three houses, 20x75 feet.

Baltimore Notes.

Now that the next convention of the S. A. F. is to be held in this city everybody is interested. Aside from local influence, we can say that Baltimore has the large heart and open hand that welcomes all strangers and visitors who are respectable. Being just on the line between what was formerly the north and the south, Baltimore possesses that fine sense of southern hospitality, with enough of the Yankee caution to preserve an even balance. However, there is no longer any north or south, we are all one people, therefore, the convention of 1911 at Baltimore, so far as we can see at this writing, will be a record-breaker and you may be sure that the orioles will handsomely do their part. Business is rather quiet, though not more so than in former years at this season. Some of the dealers say that, all things considered, it has held up wonderfully well. The weather has been hot and dry and many good customers of the retail stores have gone on vacations. Even among the dealers, many of the heads of firms are reported absent.

It is pleasing to visit a man who has lived well and accomplished something. Such a one is the veteran florist, John Cook. He says he is 75 years old but, if he had not already established a reputation for truthfulness, nobody would believe him, for he does not look it. After a sojourn in Florida and Cuba he now looks hale and strong and is taking a great interest in his seedling roses, a number of which look very promising. It will be recalled that Mr. Cook was the originator of My Maryland and other good roses and we trust that he may long be spared to continue his good work. He has a fine home and well kept range in the suburbs. His store on North Charles street is managed by his capable daughters.

John J. Perry, manager of the Florists' Exchange, is very well satisfied with the condition of business for this season of the year. The Florists' Exchange, as a wholesale market, is one of the established institutions of Baltimore and, while Mr. Perry does not talk about it, we have learned from other sources that he is largely responsible for its success. He was at the Rochester convention and is well pleased that the next convention will be held in this city.

Mrs. Fannie R. Hill, with Samuel Feast & Sons, though not yet looking old, is entitled to be called a veteraness—let us say—in the florist business. She has been with this firm 30 years. When she was just a little tot, B. P. Critchell, of Cincinnati, taught her the florist business and she has staid with it ever since.

Edwin Seidewitz has gone on a vacation to Atlantic City. He said he might go on to New York and see his old friend, Frank Traendly. In the meantime his interests in the store are being well attended to by E. Wilton Pierce, formerly of Providence, R. I.

The Gardeners' and Florists' Club will hold their annual picnic at Bayshore Park on September 1, and a cordial invitation is extended to all florists to attend, as a good time is assured.

THOMPSONVILLE, CONN.—The cut flower establishment of D. Wm. Brainard, formerly located on Peace street, was transferred sometime ago to the site of the Brainard Floral & Nursery Co. on Springfield street. This consolidation of two departments of the business is beneficial in a great many respects.

— ABOUT —

Greenhouse Construction

Eventually You Will
be a
King Customer
WHY NOT NOW?
SEND FOR OUR BULLETINS.

KING CONSTRUCTION CO.

NORTH TONAWANDA, N. Y.

— Let Us Figure on —

YOUR GREENHOUSE MATERIAL

We are in position to give you the best of dry Louisiana Cypress and the price will be reasonable.
We can also quote you on

Steel Truss Work, Steel Purlins, Galvanized Steel Gutters, Pipe, Fittings,
Hinges, Glass, Etc., Etc. Ventilating Machinery.
Pecky Cypress. Hot Bed Sash.

The Foley Manufacturing Co. Western Ave. and 26th St.,
CHICAGO

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for light top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand Pulverized Sheep Manure



The Ideal
Plant Food
for Florists.

NATURAL GUANO COMPANY,

Aurora, Ill.

Flowers in Japan.

To the Japanese, a flower means the whole plant, leaf, stem, stalk and roots, and in arranging flowers every part of the plant is considered of equal importance. The blossom is the chief element in the color effect, but the form of the completed arrangement is considered of equal importance with the color, and this depends on the shape and outline of the leaves and branches and the proper placing, which is regulated by pebbles and sand and bent strips of lead. A spray of foliage, according to the Japanese rule, must separate every two flowers of different

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR
Vines,
Tomatoes,
Cucumbers,
all Flowering,
Foliage and
Fruit bearing
Plants,
Vegetables,
Lawns, etc.



The result of many years practical experience.
PERFECT PLANT FOODS
Sold by Leading American Seedsmen.

— ALSO —
Thomson's Special Chrysanthemum and Topdressing Manure

Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'rs.,
64-66 Wabash Ave., Chicago.

colors and the tint of the leafage must harmonize with that of the blossoms. The Japanese imaginatively give sex to the colors and "marry" the delicate female tints—yellow, blue and white—with the stronger male colors—scarlet, pink and purple.—New York Tribune.

NEWARK, N. J.—George Bender, 68 years of age, a gardener, was stricken with heart disease recently. He is survived by seven sons and a daughter.

We are shipping orders for

Ventilating Machinery and Fittings

every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.



CYPRESS
IS FAR MORE DURABLE THAN PINE.

CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.
THE A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

Albany, N. Y.

Among those from this city and vicinity who attended the annual convention of the S. A. F. were: Frederick Goldring, president of the Florists' Club; E. P. Tracey, Fred A. Danker and W. W. Hannell and wife.

William F. Roche, aged 25 years, manager for Fred A. Danker, 40-42 Maiden Lane, was drowned in Kinderhook Lake on the afternoon of August 23 by the upsetting of his canoe. He had gone to the lake the day before to spend two weeks' vacation and about 2 o'clock went out in his canoe. Some friends from the shore heard his cry for help and arrived on the scene in time to see him go down for the last time. Mr. Roche came from Providence, R. I., to enter the employ of Mr. Danker about three years ago. The body was recovered the following afternoon in 25 feet of water by grappling. It was taken in charge by members of Albany Lodge, No. 49, B. P. O. E., of which Roche was a member, and held to await the arrival of his two brothers, one from Providence and the other from New York. Services were held on Friday evening in Rockefeller's undertaking rooms, Rensselaer, prior to sending the body to Providence for burial. The officers of Albany Lodge, No. 49, B. P. O. E., conducted the last sad rites. As a mark of respect to Mr. Roche the Albany Florists' Club decided to postpone its clambake, scheduled for August 28, for at least one week.

R. D.

Atlanta, Ga.

The hot and dry weather of the first three weeks of August was broken on Friday, August 19, with a good rain. Outside plants and shrubbery were in a bad shape when no water could be had. Business is at a standstill now, giving store help a chance to rest. Cut flowers are coming in slow and good stock is hard to be had.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

CYPRESS

Is a wood that has come into very general use in

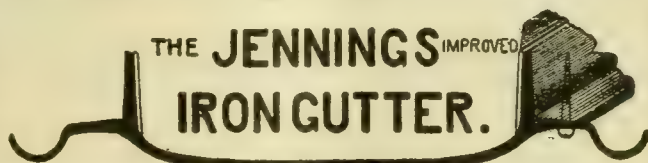
Greenhouse Construction, Benches, Frames,
Interior or Exterior Use

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING
APPARATUS



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty. Easy to apply.**

The remodeling and new ice box at Westview Floral Co. is about completed; the inside finishing of the store will be in plate glass mirrors set in Georgia white marble to match the new ice box.

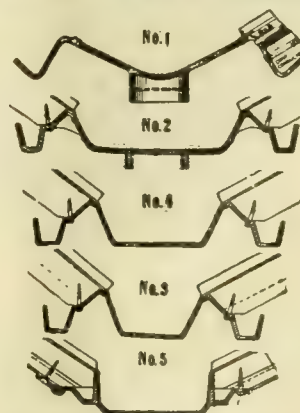
Erwin Gresham, manager of the Dahl store, will be married the last of August to Miss Juanita Tyler.

Nunally Co. had the past week a fine collection of Whitmani and Boston ferns in the window.

Miss Nora Wilson is off on a vacation.

G. M.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

Always mention The American Florist when you order stock. :::

Providence.

THE BUSINESS.

The condition of the cutflower market here as compared with last week shows very little change either in funeral work, counter trade or the conditions of stock coming to this market. The market is not overloaded with the higher grade of blooms of the different kinds, but it is oversupplied with the poorer specimens of asters and gladioli. Although there are some fine specimens of both of the latter flowers coming in and bring profitable prices. The quality of roses of all kinds have improved somewhat of late and good stock of My Maryland, Killarney, Kaiserin, Richmonds and Pres. Carnots are to be had in quantities. The prices have an upward tendency for the firsts. Brides and bridesmaid are beginning to come in, but are small and in very little demand. American Beauties of the new crop are shown in limited quantities and are small and short stem. Carnations are slightly more plentiful; these are from the new stock in field or greenhouses and sell well at good prices. There is a very good demand for sweet pea of a good quality but there is none of this quality coming in and what is to be had is very poor. There is also a good demand for Bachelor buttons, but the supply is very small now. Cosmos, both pink and white, are coming in and selling well at good prices. Tuberoses are very plentiful and very little demand for them. Tritomas and hardy hydrangeas are very much used in window decoration of the flower stores, but there is not much demand for them. The golden glow chrysanthemum is seen in limited quantities and is soon bought up. The demand for lily of the valley is light and the same may be said of gardenias and orchids. There is plenty of this stock in the market to supply all demands.

Green goods are plentiful and, as is usual at all times, are used where there is call for cut flowers. There is a great influx of all kinds of garden flowers and a very light demand for them. The weather for the week up to Friday morning was very disagreeable dog-day weather, with a high temperature, plenty of humidity, and no rain. The temperature took a decided change Friday morning to fair and cooler.

The storekeepers about here are anticipating a busy time next week as the convention of the Deeper Water Ways of the Atlantic Coast is to be held here and great numbers of celebrated men are coming to attend this affair. And it is expected great quantities of decorative plants and cut flowers will be used. Laurel and evergreen roping to the extent of 100,000 yards have been used so far in decorating buildings and streets.

NOTES.

The Field Naturalist Society of the city of Central Falls will hold its annual flower show next Monday and Tuesday. The details in connection with the show are almost complete and several additional classes will be in the competition. The principal matter of interest is the competition among the members for the Isaac B. Lawton silver cup, which is given annually to the member having the best and most artistic flower bed in his lawn or garden. In addition to this trophy there are the Halworth, Driver, Miller, Willoughby and Pollock prizes, each of which will prove a strong incentive for those who enter the competition for floral displays. Entries close Saturday afternoon.

The demand for cut flowers of a first class quality at the city of Newport never was better than it has been for the past three weeks. Gardenias are in great demand for society events.

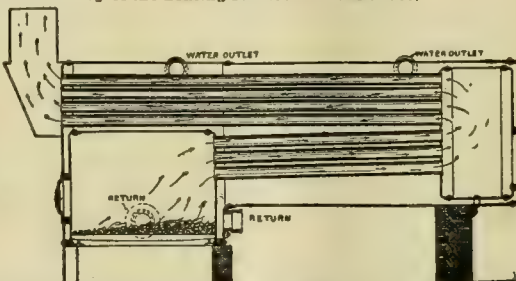
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers — names are yours for the asking.



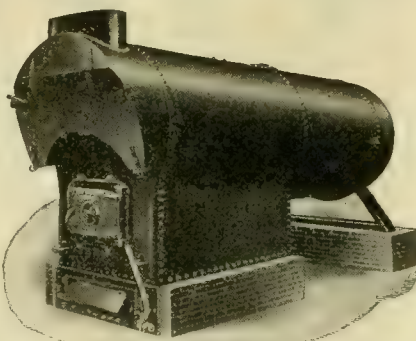
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



The Gem City

Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.

DAYTON, OHIO.

BURNED CLAY
Tile Benches and Tile Bottoms
 Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
 Garfield Bldg., Cleveland, O.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
 WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
 6666 RICHMOND, IND.

Boiler Flues

4 in. and other sizes, cleaned and trimmed ready for heating, retubing boilers or gutter posts. Prices right. Also sales Agent for Stuttle's Patent Clamp for joining flues.

H. MUNSON,

506 No. State Street, CHICAGO, ILL.

There is a great demand for roses, hydrangeas, gladioli and asters, also for decorative plants for social affairs.

A new china aster grown by William Matson, gardener for Miss Alice Kettletas, a member of the Newport summer colony, was exhibited at a meeting of the Newport Horticultural Society during the week. Mr. Matson was awarded a first class certificate of merit for its excellent qualities.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
 Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave. CHICAGO.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water, **GIBLIN & CO.,** Utica, N. Y.

August Erickson, with N. D. Pierce, is about again well after falling down an open trap door in the store of E. J. Johnston & Co. Mr. Erickson was laid up for two weeks and Mr. Brook,



Get Out Your Pencil And That New 1910 Handy-Hand Book of Greenhouse Material

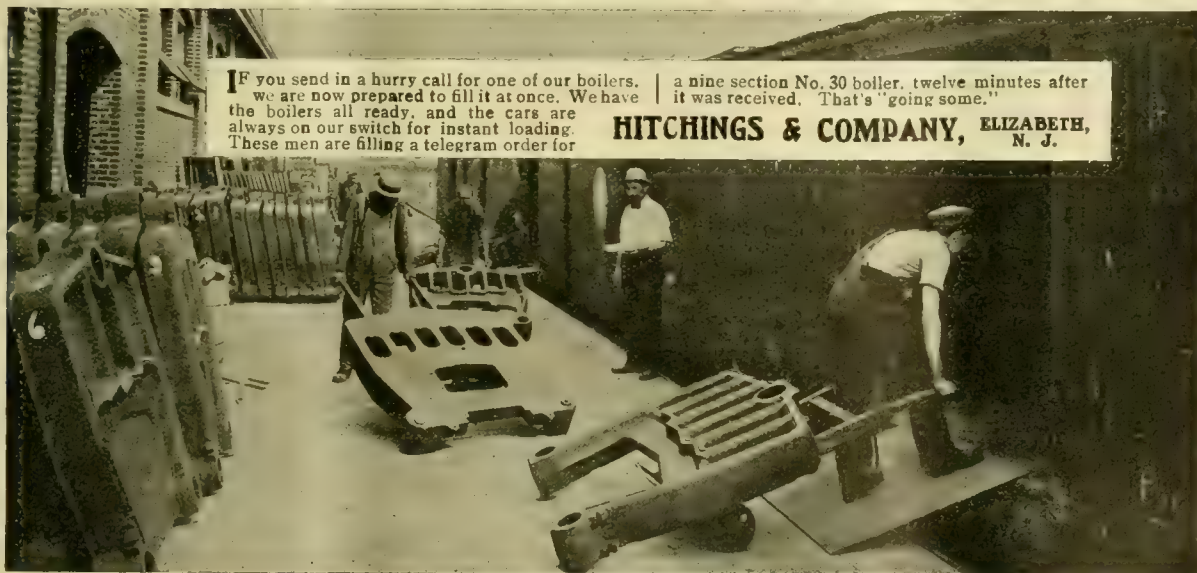
and get down to facts and figures concerning anything you need either to build or equip a greenhouse.

You will find in it **everything you need**. It is not a book filled with a few scattering items bolstered up by pages of "hot air" concerning ourselves and the wonderful folks we are. It's a **working tool for every grower**, a tool you can't afford not to have hanging up in the handiest spot in your work room—it's a tool you will constantly use.

If you haven't the new 1910 Edition of this Handy Hand Book see to it that you send for it.

Lord & Burnham Co.,

Irvington, New York, Boston, Philadelphia, Chicago,
N. Y. St. James Bldg. Tremont Bldg. Heed Bldg. The Rookery



If you send in a hurry call for one of our boilers. we are now prepared to fill it at once. We have a nine section No. 30 boiler. twelve minutes after it was received. That's "going some." the boilers all ready, and the cars are always on our switch for instant loading. These men are filling a telegram order for

HITCHINGS & COMPANY, ELIZABETH, N. J.

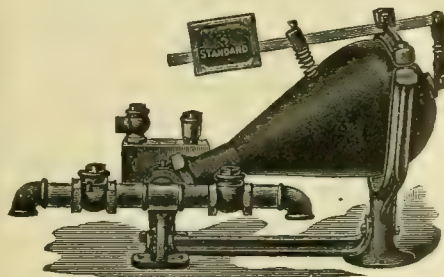
the manager at the store, settled all the bills satisfactorily without claim being made by legal proceedings.

William Gray, gardener on the estate of Mrs. William B. Leeds, received honorable mention for some new sweet peas which he exhibited.

Asters of a first class quality were a glut on the market last Saturday and some exceptionally fine ones are coming in.

Miss Rose Bates, bookkeeper at Geo. Johnson & Son, has returned from her vacation at Bristol.

Nelson Pierson, of Norwood, is cutting an elegant crop of fine asters.



The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Send Advs. Early for Best Service.

Uses of Portland Cement.

A paper read by Edward D. Boyer of the Atlas Portland Cement Co., New York, before the convention of the Society of American Florists, August 16-19, 1910.

The uses of Portland cement concrete have become so general as to have become almost universal and the knowledge of its value has been so thoroughly disseminated that a paper on the subject today is very apt to be filled with repetitions and contain very little new, or of interest to the listener. I had hoped today to present to you lantern slides of our valued collection of photographs of greenhouse construction, as I believe I could more successfully entertain you in this manner than any other, but in this I was disappointed, and I, therefore, beg your indulgence while for a few minutes I endeavor to give you the reasons why concrete in greenhouse construction is so eminently superior to that of any other material.

Concrete has won its position as the building material of the future entirely on its merit. Whether in monolith, in reinforced, in stucco or any of its varied forms it is entirely fireproof, absolutely vermin and frost proof, never requires repairs and saves fuel, as it retains heat and keeps out cold. To my mind its value as a material for the construction of little and useful things is mostly from the fact that it is plastic and easily worked, lending itself to practically any design.

Concrete is a mixture of cement, sand and gravel or crushed stone in varied proportions, depending only upon the strength desired, and when mixed with water and placed to remain undisturbed, hardens into permanent stone. Good concrete does not alone depend on the cement—it is also necessary to have good sand and gravel, and by good sand and gravel I mean material free from clay, loam or vegetable matter; in other words should be perfectly clean and as a safeguard I consider it always well to wash these aggregates. Sand alone with cement makes good concrete providing the sand is a graded one, that is, from fine to coarse, and where the work is not thick, like in bench or table construction, I should consider the cement and sand mixture the best, as with the fine aggregate you are less liable to have voids in the finished work. For this class of work and for floors of greenhouses where the latter need not be over three inches in thickness, a one to three mixture will prove generally satisfactory. In foundation work or in the moulding of hot bed frames a regular concrete can be used, composed of one part of Portland cement, two and one-half parts of sand and five parts of screened gravel or crushed stone. Cinders from hard coal ash can be also used in the place of gravel or stone, but the cinders should be thoroughly washed and as free as possible from particles of unburned coal. All concrete for form work should be placed wet and spaded or puddled into place.

It is very difficult in a paper of this character to specialize as every one of you have different problems, particularly of design, confronting you or in contemplation, and I, therefore, feel that I can only cover the subject in a general way and outline the general rules for the use of concrete in construction such as you are engaged.

In greenhouse construction concrete is particularly adaptable, especially in the interior where the constant use of water tends to the very rapid decay of wood, and in consequence where wood is used as for instance in the tables or benches that contain moist earth it is short-lived and in constant need of repair. Concrete when once placed never needs repair. Water instead of damaging, improves it, and the unsightliness of rotten side-boards is en-

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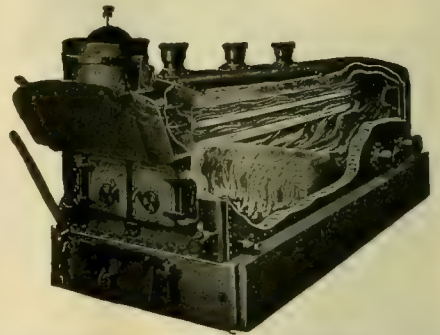
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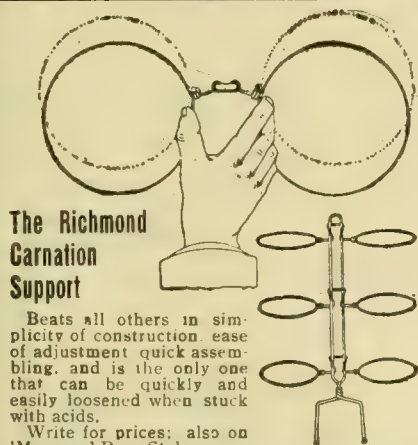
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tirely eliminated and the uniformness
of it all lends to the general appearance
and proper upkeep.

The usual foundation for a greenhouse building need not be over 10 inches broad and only deep enough to be below the frost line which, of course, varies in different sections of the country, and this concrete as stated before, to be one part cement, two and one-half sand and five gravel or stone mixture. We will take as an example the house described in The Atlas Portland Cement Co.'s book, "Concrete Construction About the Home and on the Farm," which is assumed to be a total width of 16 feet. The ridge pole



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RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

should be six inches wide by eight inches deep of the same proportions of concrete as above, reinforced with two one-half-inch steel bars. The beams should be two and one-half inches by five inches, extending from ridge pole to side wall and reinforced with a one-half-inch steel bar which will be sufficiently strong to support the sashes. The side walls can be

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seven inches thick to the height required. Eight-inch square posts reinforced with four one-half-inch bars in each corner, placed at ten feet intervals will support the ridge pole.

The concrete greenhouse pictured in the same book referred to at Westwood, N. J., and of which I have a

photograph here, are of this construction and as you will note have no wood to decay or burn in their entire construction. The concrete in this instance is not particularly pleasing from the fact that care was not exercised in spading the wet concrete against the outside of the forms and by not remedying this with a mortar plaster after the forms had been removed.

The tables can be made in one member by casting in one continuous piece of concrete, or they can be constructed in parts. There is no particular advantage of one over the other, although the former is probably the cheaper. When cast in one piece two and one-half inches is the proper thickness and various concrete can be used for the purpose, and taking cost into consideration, the mixture would depend on the available aggregates.

As previously stated, my preference for this work would be one part cement, three graded sand mixture; but one part cement, two sand and four cinders if properly reinforced with wire fabric or one-quarter-inch rods about six inches apart, would serve the purpose, although more difficult for the unskilled to place and not as dense as the cement and sand mixture. The tables should always have holes or slots at the bottom to facilitate the drainage of the water. In the cases where separately molded slabs are used the cracks between the slabs will supply sufficient drainage.

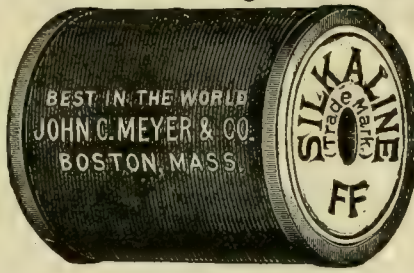
Greenhouse trays for supplying the necessary amount of moisture required are most satisfactory if constructed of concrete, as they also will not rot or shrink when they become dry, and need no attention but to keep filled. They can also be easily made an attractive and decorative feature of the greenhouse. These trays can be made like the slabs for the tables, only that they should be brushed on the inner surface with a layer of pure cement mixed to a consistency of cream, immediately after the forms are removed.

Concrete cold frames or hot bed frames are also the most desirable, again because they will not rot like wood, and be absolutely permanent. These walls need not be over four inches thick with three-inch division walls for the window rests and can be composed of the same concrete mixture as for outside walls. All these foundations should be carried below the frost line.

Concrete lends itself to decorative purposes very admirably, and concrete veranda boxes for flowers and vases are very frequently seen now, not only on stone or cement houses, but also on frame. They too need not be renewed every year or two, but will last forever. In conclusion I wish to reiterate that concrete for the particular work in which the majority of you are interested is the ideal material and when you once familiarize yourself with its use you will adopt it in all your construction work.

MARBLEHEAD, MASS.—A splendid exhibition of dahlias from the Rawson Dahlia Farm was on exhibition at Shepard's pharmacy and attracted much attention. There was a centerpiece made of three parts, each round, and forming a triangle having the letters "R. D. F." in three varieties of red dahlias on a golden glow background and surmounted by two little American and Spanish flags. Among the many handsome flowers, including Old Glory and Queen Wilhelmina, were found six varieties named after the competing yachts in the Spanish-American races. The Cima, a large, bright, lemon shade, and the Harpoon, a mixture of magenta and white, while the Beaver is a large double cream white, and for the Spanish yachts the Chonta is a large white, the Papoose a large crimson and for

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the Mosquito II the national colors of red and yellow were shown in about equal parts. The display was certainly worth seeing and everyone was pleased at the large size of the flowers and their great beauty. This exhibit was put in place under direction of Mr. Walters, who has charge of the Rawson farm.

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Vol. XXXV.

CHICAGO AND NEW YORK, SEPTEMBER 10, 1910.

No. 1162

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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March 27-April 1, 1911.

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tion with the Morris County Gardeners' and
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ton, March 1911. WM. H. ELLIOTT, Brighton,
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HALF HOUR CHAPTERS FOR PLANT GROWERS

Cinerarias and Calceolarias.

The treatment of young cinerarias and calceolarias is practically the same as regards the atmospheric conditions, both liking a cool, airy and moist house or frame and shade from bright sunlight. But the cinerarias are stronger growing than the calceolarias and easier to manage in the earlier stages, being less liable to damp off at the stem. Both are peculiarly attractive to slugs and small snails and if these pests are in a house or frame they find these plants by instinct and in a single night will do untold mischief. This necessitates the man in charge going round at night regularly with a lantern and destroying all he can find. Tops of cabbage or lettuce leaves or cut potatoes should also be laid around and examined daily. Considerable care is needed in watering the young stock and, if the atmosphere is kept moist, it is far easier to overwater than not. Light spraying overhead daily is of great assistance, and a little soot and lime should be sprinkled around the frame or bench on which they are grown.

Chinese Primulas.

Many people still prefer the old *Primula Chinensis* in its modern forms to the *obconica* varieties, and there can be no doubt that it makes a finer looking plant, though it cannot compare with *P. obconica* as a genuinely useful market plant. The old idea of a pyramidal plant will be spoilt if the advancing center spike of bloom is taken out, but a far finer specimen from a market grower's point of view will be produced. It is early yet to speak of this, but it will not be long before the spikes appear in the earliest potted plants, and in order to get all the growth possible into them the spike should be pinched out before it begins to lengthen. Soon after this the plants will be ready to go into their flowering pots, using a compost of good light loam, sand and well dried cow manure. A liberal admixture of leaf mould is an excellent addition if it is at hand. Plants

that are to be sold in small pots or used for decoration should not, of course, have the center spike removed, as this one makes a far better and more symmetrical specimen than the succeeding spikes. These plants will not be so forward as the others and many growers will be potting them into 2-inch now. The same treatment is suitable for all, a light, well ventilated house or frame, with shade from bright sunlight and ample water. In potting see that the crowns are not buried on the one hand or left so high that they swing about. The soil should come just high enough to support the plants without any other assistance.

Sowing Cyclamen Seed.

From the middle of August to the middle of September is generally recognized as the proper time for sowing cyclamen seed. Seed sown much earlier than this results in plants that flower prematurely and irregularly, while later sown plants are not usually on time for Thanksgiving the following year. At least 15 months should be allowed to produce the large, healthy specimens that are needed by present day market plant growers and every week of the time has to be made the most of if the best results are to be attained. For many years we have taken the trouble to dibber the seeds of cyclamen in singly at about an inch apart in the flats or seed pans and we have no intention of departing from this custom. It allows of the plants being left in the seed bed until one or two of the character leaves and a number of roots have been produced and such plants can be potted more easily and will not check like plants that are crowded in the seed bed and have to be shifted when only in the seed leaf. In sowing the seed use a dibber with a shoulder on it about one quarter of an inch from the blunt point, as this will insure their being all at the right depth. Place the flats in a temperature of about 60° at night and water moderately, covering the surface with paper or moss until the seeds begin to germinate.

Bedding Geraniums.

The abnormally dry weather during the first growing months for the stock plants of geraniums has resulted in their being smaller than usual at this time, but the recent rains have started them growing and if there are no signs of frost for a few more weeks they will rapidly make up the leeway they have lost and there will be plenty of stock. We usually root a great percentage of the stock outside in August, but will have to depend upon inside rooted cuttings this year. The stock should be in better condition than usual owing to the continued sunshine ripening the growth well and growers will have an excellent chance this year to take their cuttings just at the right time before they get too soft and green. There is a correct condition of the geranium wood, well known to experienced growers, but difficult to describe, when it roots easily, freely and with certainty, hardly a cutting missing out of thousands. A degree or two harder or softer and they will not root nearly so well, while there will be more loss even with the best of care. Although the statement may perhaps meet with opposition we are convinced that more geranium cuttings are lost through being kept too dry in the earliest stages than too wet. The cutting dries out, the cells lose their power of taking up moisture, consequently the cutting damps off, though the primary cause is too little water. Cuttings in the right condition can hardly be overwatered for the first week or two and, if in the open, they should be exposed to the full sun. Under glass little shading is needed, of course, but it is easy to overdo it and the more light and air allowed as soon as roots are formed the better. When cuttings are very green and the weather is dull, it is safest to rub off the little bract-like processes on the stems before inserting, as these often decay and start the cuttings damping off. When the root is firm and the weather good it is not worth while.

Benched Boston Ferns.

Where young stock was planted out early in the benches and was to be removed to make room for winter stock, the plants should now be potted and will make fine stock for early sales. It pays to put careful men at this work and allow the proper time for carrying it out. Only lift as many as can be attended to in an hour or so and have them laid carefully in flats to be taken to the potting bench, keeping as much soil as possible on the roots. They should be selected according to size and given pots that they will fill or furnish easily. Too small pots will starve the growth, while if placed in pots too large they never look well. For the first couple of weeks after potting keep the plants rather close and in a moist atmosphere, gradually inuring them to the usual temperature and atmosphere of a well ventilated house.

NEW YORK, N. Y.—The International Floral Association was incorporated here to do a general horticultural and floral business, capital stock, \$50,000; incorporators: P. Armitage, J. M. Betts and A. H. Montegriffo, Jr., all of New York city.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

With the Chicago Retailers.

Summer dullness prevails in the Chicago retail stores, so many of the usual patrons being either out of town or not entertaining to any extent. But with it all there is more business doing than usual at this season and every one is satisfied with the amount of the turnover. Many are taking advantage of the dull time to clean and repaint the stores in readiness for the fall business which promises to be good. Conventions of various kinds have made a remarkably good sum-

very good here and altogether Mr. Mangel reports an exceptional summer business. H. C. Rowe also has a run in good funeral work and carries this out in his own excellent style.

Calling on the Bohannon Floral Co. we found Mr. Bohannon had not returned from his vacation, but everybody around the store seemed busy. A. Lange was making an excellent display of all the popular, seasonable stock and his help are returning from their vacations. T. McAllister reports a very pleasant time in Pittsburg and Uniontown, Pa., Cleveland, and other cities. Miss Olson, the bookkeeper, here, daughter of Mons Olson of the Poehlmann Co.'s force, has gone for



BASKET OF EASTER LILIES AND WHITE HYACINTHS.

By Andrew McAdams Chicago.

mer's business generally and all are looking forward with perfect confidence.

John Mangel, of Monroe and Wabash avenue, certainly deserves the greatest credit for keeping his windows in first-class condition and he always draws the crowd. Last week he had a magnificent wreath of the choicest water lilies and hydrangea paniculata, the great billowy masses of hydrangea forming an ideal setting for the water lilies which were certainly superb. A large crowd was attracted daily both to this and the elegant stock displayed in the other windows. The wreath was surrounded with choice crotons, elegant stock well colored. Funeral work has been

a western trip, taking in Pasadena, Los Angeles and other California points. Funeral work has been very good here of late.

Ganger & Gormley, while admitting that trade is dull just at present, say they have had the finest summer's business of their career, beginning well with June weddings and keeping up right along. Lubliner & Trinz were showing good stock of asters, gladioli and other choice flowers and said business was keeping up well. At the Fleischman Floral Co.'s store on Jackson boulevard, cleaning up was in progress but so thoroughly were the decorations in this store carried out that but little in the way of renovating is ever required, washing off be-

ing about all that is necessary. Mr. Rubel states that the trade in orchids is constantly increasing here and at present, at least, he is not able to obtain all they can sell locally. But the eastern stock shipped in is not nearly as satisfactory as the local flowers.

A Suggestion for the Table.

No way of decorating a dinner table if oval or circular can be prettier than ornamenting it with a handsome arch, which is, moreover, by no means difficult to arrange effectively. The size of the arch itself must, as a matter of fact, be proportionate to

tistically. The fine large water lily with the cactuses and leaves of the lily for the edge make an odd setting for the space below the center of the arch. At either end bank small miniature ferns—a few fronds of maiden hair fern could be used to give it a touch of daintiness. A pink water lily is placed in a tube of water arranged in wet moss and tied with a pink ribbon made of a chiffon shower for each guest.

The arch made of passion flower vines with a low, flat, oblong basket beneath is effective for sadness. Red geraniums can be used effectively as

of the arch. Small tendrils can be extended from the center of the arch and dainty touches here and there of asparagus making a very handsome setting.

A. E. KLUNDER.

Lilies for the Home Garden.

Concluding portion of a paper read before the Massachusetts Horticultural Society by E. S. Miller, Wading River, N. Y., March 12, 1910.

Many lilies cannot stand our hot dry summers, coming from cool, moist ravines or mountain sides, borders of streams, or other places where the drainage is natural and perfect. To succeed with such, we must imitate nature. Aesop told the gardener of his master, Xanthus, that: "The earth is step-mother to those plants which are incorporated into her soil, but mother to those which are her own free production." This may be the reason why our own native species are capable of withstanding the severity of our winters, while those from foreign countries are not.

The late Peter Hanson of Brooklyn, for whom our beautiful Hansonl was named, was one of the most successful growers in this country, growing from 1870 to 1885 all the varieties known at that time. He planted them in properly constructed rock-works where they had moisture and shade for the bulbs, thus imitating their native habitats. I visited him one summer morning at 6 o'clock, his only leisure time, and saw his success with many varieties which baffled the skill of others.

The late Peter Barr, when visiting this country, insisted that we should cover our lilies with lath shades. This is good for varieties which cannot stand our dry, hot days of summer, but there is no need to do it with *speciosum*, *tigrinum*, *elegans*, *Bateman-niae*, and *auratum*, in field culture, as we have grown them successfully without artificial shading, with the two-horse cultivator thoroughly and often stirring the soil, supplying and conserving the moisture where needed. The amateur has to accomplish this by other means as did Hanson and others by mulching and shading. I have found excelsior an excellent mulch, using it thinly on seed beds, and thicker on older stock; it is neat and clean; weeds can be easily removed or it can be taken off while the weeds are pulled and the soil stirred and then replaced. Coarse manure, peat, cocoa fibre, leaves, etc. may be used. A common practice among amateur cultivators is to plant lilies in shrubberies, with good results. Care should be exercised in selecting a good location for the lily bed to have it well drained, for no lilies can thrive in ground that is water soaked. Even those growing in swamps or on the margins of brooks are found growing in the surface soil, above the water or often in the sphagnum where the medium is aerated. Lilies in their native habitats grow in a variety of soils. It doesn't matter so much what the soil is, so long as there is the requisite amount of moisture and plant food during the growing season, and perfect drainage at all times. This is a very important matter and if not attended to, failure is inevitable.

Our Long Island soil is naturally drained, but where this is not the case care should be taken to plant where water will not settle or where the bulbs



A BRIDAL BOUQUET OF LILIES.

the size of the table on which it is to be placed, and the size having been determined, next comes the material of which the arch is to consist. This should be strong wire, stiff enough to keep its form without bending, and each end should be inserted in a piece of iron or lead in the form of a large flat weight which forms the stand. These supports should each be placed in a circular zinc pan and packed with wet green moss. The zinc pans should be painted green.

The next to be considered are the creepers with which the wire arch is to be covered. Of this class of plants there is such a variety that it would be impossible to enumerate all that are suitable for the purpose. Place two pink cactuses and water lilies in a low, flat dish, arranging them ar-

a border for the oblong basket to give it a touch of brightness—even the yellow pansy can be used attractively—that is the small variety bunched would be attractive. Scarlet cactus blooms and trusses of *stephanotis* should be placed alternately with a touch of *Spiraea Japonica* and ledges around the edge; resting on the table should be fronds of maiden hair fern. Scarlet begonias and maiden hair can be used effectively in this arrangement with a touch of lily of the valley if a trumpet shape vase is to be used in connection with the lower flat arrangement.

This idea can be greatly elaborated on; take for instance orchids—the cattleya—using the small white orchid for the arch and banking the growing orchids at the base of each side

may be kept comparatively dry when at rest. If water settles about the bulbs it will either rot them, or when freezing will disintegrate them. This may be obviated by planting on side hills or in raised beds. Hanson's system overcame all difficulties along this line. Any soil that will grow good crops of other flowers or vegetables will grow good lilies, if plenty of fertilizing material is used. Much difference of opinion exists on this point. Some advise stable, some cow-manure; others neither, using peat or leaf mould alone; and some advise commercial fertilizers. We use a compost of vegetable matter and animal manures, making up the pile in winter, and using it the following fall, turning it well in the meantime. It is thoroughly rotted and would nearly all pass through a sieve of one-inch mesh. We find we can use this on all lilies, even seedlings and sets, plowed in for the large bulbs and forked in for the beds of sets and seedlings. We use it also for top dressing and mulching in summer. I think the commercial fertilizers containing the various elements of plant food are beneficial if thoroughly incorporated in the soil.

Much depends on the time and manner of planting. The best time to plant lilies is when the tops have ripened and the leaves have fallen, and a greater measure of success results if they can be planted as soon as dug, before the bulbs or their roots get dry. But this is impossible with bulbs not at hand. In the case of Japan bulbs, their season is such that they cannot ripen the bulbs and get them to us before December, when the ground is frozen. Then they have to be kept until spring, or if they are expected, the bed can be prepared and covered with a heavy mulch to keep out the frost, when on the arrival of the bulbs they can be put in on a mild day. Few bulbs are kept over winter in as good condition as they were in the fall, except in cold storage. The amateur and dealer who must keep them on hand often do not have a proper place to keep them and they come out in the spring in too weak a state, to survive more than one season. In the case of lilies from India and the Philippines it is still worse. Of importations of *L. Philippinense* arriving in July, not over 10 per cent grew and those in a crippled condition, and none survived to grow the following year. Some years ago it was stated that 70 per cent of *L. auratum* failed in England and 90 per cent in America in customers' hands the first season; but since the Japanese have allowed the bulbs to come to maturity before digging, there has been much less loss.

Lilies are often planted too near the surface in our dry climate. All lilies emit roots from the stems above the bulbs for the support of the stems, and to assist the bulb in nourishing the stem, leaves, and flowers. Now, the more vigorous those roots are the finer the growth and bloom will be. The depth should be at least three inches for the small bulbs like *tenuifolium*, *concolor*, *coridon*, and our eastern native lilies. The larger bulbs should be planted deeper, six to eight inches for tigers, auratums, *speciosums*, etc.; while *Henryi*, *Humboldtii*, *Washingtonianum*, and others

having large bulbs, from eight to 12 inches. *Washingtonianum* is found growing from 12 to 20 inches deep in its native habitat.

We now come to the subject proper of our talk, "Lilies for the Home Garden." We would find every variety of the family beautiful if we could grow them, for, quoting from the "Garden's Story," Peter Henderson says: "The lily has no poor relations, and in a general collection of species all that can be imagined desirable and perfect in floral forms will be realized. Indeed, it is beautiful in all its varied forms; and when we consider that except one or two species it is a flower with no insect pests, the lily may well be regarded as one of the greatest treasures of the hardy flower garden." The following species and varieties can be recommended, most of which are too



Branching Lily.

well known to need any description:

L. candidum.—The Madonna or annunciation lily. The white lily has always been a favorite. It has been the theme of the poets, the model of the painters, and the symbol of purity.

L. Chalcedonicum.—The scarlet martagon or Turk's cap, said by many writers to be the "lily of the field."

L. martagon, *album*, and *Dalmaticum* are attractive and beautiful when well grown. These three species are of easy culture and thrive if left undisturbed; they have been in cultivation over three centuries.

L. excelsum (*testaceum*), a cross between *candidum* and *Chalcedonicum*, is worthy of a place in every garden. It inherits all the good qualities of both parents.

L. Auratum. The hill lily and varieties are grand members of the family and well repay any care bestowed upon

them. These, with the *speciosums*, delight in peat. The type is well known and appreciated. Conspicuous among the varieties are: *Rubro-vittatum*, *Virginalis*, *Wittei*, and *Platyphyllum*. One of the finest of the auratum varieties, *Parkmani*, raised by Francis Parkman of Boston, is almost lost to cultivation in this country. Hardly less grand and beautiful are the various forms of *speciosum*: *Rubrum* or *Roseum*, and *Album* are the common varieties, but equally easy of culture are the finer ones: *Melpomene*, *Magnificum*, *Krackeri*, and *Opal*. Many of the type of elegans, which now includes *Thunbergianum*, are of the easiest culture, thriving in any soil and under difficulties which would be death to some lilies. The sturdiest are *Robusta*, *Leonard Joerg*, *Bicolor*, *Atroroseum*, *Aurora* and *Midnight*, *Alice Wilson* (lemon colored, broad-petaled, one of the handsomest of the group), *Wilsoni* (the tallest and latest to bloom, apricot tinted with purple spots). The most beautiful of all is *Prince of Orange* (a spotted form of a soft, pleasing buff tint, very dwarf) and *Peter Barr*, a new and beautiful orange spotted form.

The lily most frequently seen in old gardens is the tiger lily. It will grow and thrive under any amount of neglect; in fact, it is naturalized along roadsides in many places on Long Island. In addition to the type, the variety *splendens*, with taller stems and larger flowers, and the form with double flowers are showy and worthy a place in our gardens. The coral lily of Siberia, *L. tenuifolium*, is a graceful and showy lily, blooming from the middle to the last of June. It grows from one to two feet high, with six to eight flowers, about two inches across, coral red in color. *Lilium Batemanniae* is a sturdy grower, with upright cup-shaped flowers, pure apricot color. A white lily with upright flowers is unknown.

In 1889 Dr. Henry sent from China to Kew Gardens, a new lily which flowered that summer and was named *Lilium Henryi*. It is similar to the *speciosums* and is popularly known as the yellow *speciosum*. Although it has been cultivated for 20 years, it is yet rare and high in price. It is very hardy, thriving where *speciosums* and *tigrinus* grow. Strong bulbs throw up stems four to six feet high, with a wealth of green foliage and a pyramidal corymb of six to ten orange-yellow flowers.

Lilium Wallacei has a beautiful vermilion orange colored cup-shaped flower, spotted with maroon-colored, raised dots. A late bloomer, very healthy and of easy culture. The true type of *Lilium longiflorum* is very satisfactory in the garden. The forcing variety, *Harrisi*, is not so amenable to outside culture. *Lilium Davuricum* is a little known lily, often confounded with *umbellatum*, from which it is distinct. It resembles *Philadelphicum* more than *umbellatum*. A good grower, with six to eight erect scarlet flowers with black spots, blooming in July.

Lilium Hansonii is one of the harbingers of spring, starting into growth the first warm days. It is of easy culture and very attractive. Of our many native lilies, but few will thrive well under ordinary treatment. The following



LILIES AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL., TEN DAYS BEFORE EASTER.

succeed best: The superbum or meadow Turk's cap is a grand plant when established and well fed. It grows from four to six feet tall and bears from six to 25 flowers. The graceful meadow lily, *Lilium Canadense*, and varieties *Flavum*, pure yellow, and *Rubrum*, dark red, grow and flower well in cultivation. The panther lily, *Lilium pardalinum*, a native of California, yields readily to cultivation and is very showy when established. Many other beautiful lilies will repay the cultivator for the trouble bestowed, but the foregoing list will afford a succession of bloom and well represents the lily family in the home garden.

Curious Lily Freak.

Wm. J. Halliday, the well-known florist of North Charles street, Baltimore, had a curious exception to the usual growth of lilies in a lot of *Formosums* forced for Easter in his greenhouses on the Old Liberty road, near Walbrook. The lilies were received in August from the H. F. Michell Co., of Philadelphia, and were planted at once. They were of 6-8 size, and the general crop was satisfactory, but the specimen in question, as it grew in stature, branched, a very unusual, if not unknown thing with lilies, and gave 12 perfect flowers. The true lily is an endogen and does not branch, at least so far as the concurring experience of those who are familiar with such plants goes. The accompanying illustration shows the plant in full bloom and the branching stalks are plainly discernible.

[Although very unusual we have known at least one other instance of *Lilium longiflorum* producing a branched stem. Ed. A. F.]

THE VIOLET.

Work Among the Violets.

The dry, hot weather of July and early August gave the single violets in the field a most dejected appearance, for not only were the plants checked in growth and small for the season, but red spider had been getting in its work and the yellowing leaves and general dried-up appearance were anything but promising. But the cool nights and the rains have altered all this considerably and the plants have a far better appearance now. By planting time there is every probability that they will be quite up to the average and the prospect for flowers is good owing to the crowns being so well developed. In a season like the present, when the plants have not any great amount of growth, we believe that earlier planting than usual will be an advantage and those growers who like to see a little frost before planting heavy foliage plants need not be anxious about them this time.

The double varieties that have been kept under glass right along, shaded and kept as cool as possible, are looking strong and well and the opening of the flowering season should show fine stock. The violet is naturally a shade-loving plant and the somewhat tender foliage of Marie Louise and

similar kinds will not stand the bright sunlight that California and the singles generally will. But light they must have and a grower who shades his houses too heavily does so at the expense of flowers and will probably have to be content with a fine crop of foliage. Not only has the grower to shade to prevent injury to the foliage, but also to keep the temperature as low as possible without putting on full air or causing draughts. The shading, ventilating and damping of a violet house at this time of year have not to be considered separately. The skilled and careful grower, while knowing full well that all the air at command would not be too much for his plants, is well aware that if he put it on he would suck out all the atmospheric moisture. While his plants may be needing water in plenty he knows that if he overwaters his beds the air may become stagnant and cloudy the next day and draw up the foliage and make the flowers of poor color.

It is absolutely useless for any one to try and give advice that is suited to all occasions. The grower is on the spot, knows the root condition of his plants, knows what the soil is capable of and how much of it there is in the border. None of these things are known to the stranger who is giving advice and so the grower who expects to get good results from following exactly directions laid down in books or papers is liable to fall down when

it comes to getting good stock. Consider the soil, watch the weather and do everything in moderation is the best advice we can give the violet grower now. Because a light watering gave the plants an improved appearance, do not think that a heavy one will be better. It may so moisten the beds that they will not dry out for a week or more and then we

plants in greater quantity in the future than they have in the past.

Several of Wilhelm Pfitzer's novelties were submitted for the inspection of the floral committee with the result that three awards of merit were secured, one each for Europa, Grafin Degenfeld and Karl Luz. The first named, Europa, is a charming novelty with practically pure white blossoms,

ously against the white background of the broad and substantial petals. American growers would do well to stock Europa if they can possibly get it.

Karl Luz is just the counterpart of Europa. It has large substantial blooms of a deep and brilliant crimson, daintily shaded with nagenta in the throat and obscurely freckled. A very distinct variety well worth attention.

Grafin Degenfeld is a beautiful soft creamy yellow, the three lower petals, however, being conspicuously decorated with triangular blotches of brilliant scarlet, becoming still deeper in the throat and flecked with orange yellow.

Although the above were the only varieties certificated on this occasion there were several other fine things in Wilhelm Pfitzer's group of gladioli. Amongst them special attention might be made of Negerfurst (or Black Prince), with deep velvety crimson flowers, darker at the margins. It is a very strong grower and produces long spikes of bloom. Mephisto was also conspicuous with its bright copperized flowers shaded with crimson lake. Frau Senger-Bettagne is a snow-white form, having the lower petals striped with carmine. The individual flowers are broadly bell-shaped and remind one very much of an Amaryllis or rather a Hippeastrum to be more accurate in naming. It is one of the gandavensis progeny, as is also Julius Neumann, with brilliant red blossoms edged with white—a fine and noble form. Sarah Vautier is very distinct and stands out from all others with its deep velvety blue or purple flowers, shaded with amaranth—quite a conspicuous variety.

Besides the many named varieties there were many fine seedlings shown under numbers. One, No. 5456, is a beautiful primrose yellow and very vigorous in growth. It ought to turn out a grand thing in the future. No.



HOUSE OF LILIES GROWN BY HARRY I. FAUST, MERION, PA.

may look for yellow leaves and poor colored flowers. A little soot and lime is a splendid thing around the violet house, sweetening the air and supplying some food as well as being very distasteful to insects. But here again use it in moderation—a little is good while a heavy dose may prove fatal to many plants. Always keep the surface soil cultivated to allow the air to reach the roots and to prevent the too rapid loss of moisture by evaporation. Keep a constant war on snails and other enemies and do not be afraid to enter the houses after dark with a lantern.

Some New Gladioli.

At a recent meeting of the Royal Horticultural society in London, the public was astonished to see a magnificent display of hybrid gladioli from Germany. The exhibitor, Wilhelm Pfitzer, of 74 Militar Strasse, Stuttgart, simply took the place by storm. The collection was remarkable not only for the size of the individual blossoms, but also for the vigor and freedom of the upright spikes. The variation in color was also remarkable, and nearly all shades except blue were to be seen. English gladioli growers are content to stick to a few colors. Not so Wilhelm Pfitzer. He has mixed the gandavensis, branchleyensis nanceianus and Lemoinei hybrids up so beautifully that it has now become almost impossible to distinguish "t'other from which" in the progeny. Botanists will simply tear their hair (if any) in despair if gardeners are going to continue to cross hybridize

beautifully regular and bell-shaped and seated closely on the stem—being open at the same time. Deep down in the tube at the very base there is the faintest and smallest streak of crimson purple—all that is left of a colored ancestor. The lilac or lavender colored antlers stand out conspicu-



A CLUSTER OF LILIES AND VIOLETS.

Shower Effect.



EASTER LILIES AT THE DONALDSON GREENHOUSES, MINNEAPOLIS, MINN.

2068 is another yellow variety with pale primrose and sulphur-colored flowers, blotched with purple at the base. No. 0,109 is creamy yellow, the lower petals being conspicuously striped with crimson. No. 2269 is light canary yellow and No. 5302 is a variety with rather small flowers, but excellent in form and washed with purple at the base outside. No. 5527 was one of the best forms with bright cerise or rose-colored flowers, the three lower petals being banded transversely with white and No. 5646 is a deep velvety carmine with deeper colored veins.

There were several other choice seedlings, but those noted above stood out as being a long way the best. W.

Common Sense Carnation Support.

C. C. Pollworth Co., Milwaukee, Wis., has placed its new Common Sense carnation support No. 2 on the market. It is a one-ring support with two legs made of No. 13 galvanized wire with patented spring lock, the feature of the support is that it can be opened up on either side after it is in the bench without being removed.

SABATHA, KANS.—C. H. Marshall has all his carnations benched and they are doing well. Mr. Marshall will add a new 75-foot house this fall.

THE CARNATION.

Notes in Season.

The cooler nights of September act as a sort of tonic to the carnations, and those planted a month or more will be, or should be, growing away freely.

Lack of rain for two months during the summer gave the insects a good chance to become established on the plants while the latter were in the field, and this means that the grower has quite a fight before him in order to dislodge the red spiders and thrips, both of which flourish in the field during warm and dry weather.

This is the time to get rid of these pests, while the plants may be syringed freely and vigorously, for later on in the season the syringing will have to be suspended for a time.

Of course this syringing should be done early in the day, for we do not like to have the plants dripping with moisture over night, this condition favoring the spread of spot, rust and various other fungoid troubles.

To curb the insects, the forcible use of clear water does very much, but this is seldom enough to rid the plants of thrips, this being an insect that requires much to discourage it, and one

or other of the nicotine solutions is probably the surest remedy, this being applied with a spray pump, usually in the afternoon, and preferably on a dull day, as the ventilation may then be reduced somewhat at the time of spraying, in order to retain the vapor of the nicotine for a longer period. New remedies appear from year to year, and in the eyes of the manufacturer and also the salesman, each seems to have the qualities of a specific, but it is safer not to plunge too deeply in untried waters, and therefore some of the older preparations, such as Nicofume, for example, still seem to find a ready market.

Ivory soap solution, and also common salt have both been used as remedies for red spiders, and both doubtless have value when used with judgment and in the proper proportions.

A small quantity of Aphine used experimentally by the writer did not give marked results in killing red spiders, but possibly a stronger solution would have proved more effective, the proportion tested being one to 20 of water.

Where spot develops among carnations, and this is usually found where too close and moist an atmosphere is maintained, a dusting with air-slaked lime, or a mixture of lime and sulphur seems to be beneficial, especially when this treatment is accompanied

with free ventilation and rather less moisture.

A spraying with Bordeaux mixture is given after the plants are established in the benches, with a view to checking fungoid troubles, the formula best adapted for this spray being 4-6-50, which signifies four pounds of bluestone, six pounds of lime, and 50 gallons of water. But some varieties are more tender in foliage than others, and even a Bordeaux mixture of this intensity will occasionally burn some of the young leaves, especially when applied on a bright and warm day, the foliage being more susceptible under those conditions.

Plenty of fresh air will be required both day and night to insure a sturdy growth, and careful examinations of the soil in the beds should be made from day to day, in order to water intelligently, for while the soil should never become sodden, still it should be moist right through to the bottom of the bench to encourage the roots to spread.

Staking and tying being completed, it will be needful to go through the plants frequently to keep the young shoots within bounds, else they are likely to get caught in the wires or strings and become crooked.

Topping also needs frequent attention, the first growths being too short in stem to be of much value for the market, and besides this a good bushy plant will be needed to give a regular cut of long-stemmed flowers during the winter months.

It is the autumn growth that counts, for plants move slowly during the short and frequently dark days of winter.

W. H. TAPLIN.

Carnations in Lancaster County, Pa.

There will be no diminishment in the quantity of carnations planted the coming winter, neither will there be much of an increase. With copious rains all through the planting season and up to the middle of June the plants have had a good start; a drought of about four weeks hardened them into prime condition and the good soaking rains of the past week ought to make as good plants for housing as this section has had for some years. Outside of a few Winsor and Lawson that are being grown indoors, there has been no planting done to date; most of the growers are busy changing soil and will be ready to house their stock from August 1-15.

Practically all of the growers in Lancaster county act as their own foreman and to the inquiry as to whether or not they were going to Rochester the unanimous answer was: "Why August is the worst month of the 12 for us to leave our place of business." Some few who have been keeping an eye open to expenses have come to the conclusion that while a carnation house is a small gold mine, it costs almost as much to get the gold out as it is worth in the open market. The majority count up their returns for the season with no expense account to strike a balance and they think they have made considerable money even if their bank account is at a very low ebb at this time.

Stem rot is not the bugaboo in our limestone soil that it is in some sections but some of our larger growers who have been in business long enough to know better will persist in piling the

soil into the hearts of their plants when they cultivate them and then wonder why they have stem rot. There is one trouble here that is puzzling us all, the writer included, and that is a stunted growth that affects Beacon in a marked degree and the Enchantress family and White Perfection in limited numbers. Cuttings taken from good vigorous plants will root well and make apparently good plants in the pots (a few showing signs of the disease in this stage) but after they are planted out either in the houses or in the field they get a stunted growth and gradually die or make such miserable plants that they are of no value. The loss on Beacon for this summer will reach about 80 per cent; of the other varieties the loss will probably average five per cent. Affected plants have been sent to the Department of Agriculture at Washington and to several other places but no one seems to be able to diagnose the disease and the reply was the stereotyped one: "When in doubt we recommend that the plants be sprayed with Bordeaux mixture." This recommendation has been

tried but with no good results; has any other section suffered with this trouble?

ALBERT M. HERR.

Spacing Carnations.

ED. AMERICAN FLORIST:—

What spacing should carnations have on the bench? J. F. T.

Ten inches apart each way is the usual space we allow for our carnation plants. But the space between the plants across the bench is governed somewhat according to the width of the bench. For instance, with a 5-foot bench we plant six rows, allowing for three inches from each side board; this gives the plants about nine inches of space. White Perfection, which has a close, upright habit, could get along with a little less space and the Enchantress varieties could be given a little more if the width of the benches will allow. The space apart of each plant also depends upon what support is used, but 10 inches between the plants will answer for any of the wire ring supports now on the market.

C. W. JOHNSON.



JAPANESE LONGIFLORUM MULTIFLORUM LILY.

As Grown by Samuel Pearce, Chicago.

Dreer's New Plant at Riverton, N. J.

H. A. Dreer, Inc., are about to begin the erection of an entire separate greenhouse plant at Riverton, N. J., on a location some distance from their present greenhouses; the plant being designed to eventually cover a very large area. The plant will be built in blocks; the first block to be erected this season. This first block will be built with a service building in the center; the service building being 34 feet wide and 203 feet long. On each side of the service building will be one leanto 203 feet long and from each leanto will be built a range of ten greenhouses, each 21'9" wide and 203 feet long, making a total of twenty greenhouses and two lean-tos. A cross passageway will be run through the whole block of greenhouses from side to side; this passageway being three feet wide and there being 100 feet of greenhouse on each side of the passageway. The service building will be of iron frame construction and practically fireproof and the roof will be built with a clear span so that the interior will be free of posts. Ten of the greenhouses will be open under the gutters and will not be provided with benches. These ten greenhouses will be run at a low temperature. The other ten greenhouses will be divided by glass partitions under the gutters and will have three benches in each house. These houses will be run at a temperature of 60 to 65 degrees. For the heating plant a fireproof iron frame and concrete boiler house will be erected. There will be four 75 h. p. boilers for heating; these boilers being of the ordinary tubular power type. There is also to be one boiler for steam power. The boilers will burn a low grade of coal and to enable this to be done, a system of forced draft is to be installed. The heating will be by hot water using 2" pipes for the radiating surface; the boilers will be set on the level and the water will be circulated through the houses with centrifugal pumps. The pumping plant will be in duplicate so that in case of damage to one plant, the other will be ready for operation.

This is probably the largest piece of construction work undertaken this season and we believe it is the largest greenhouse building contract which has been let out complete by any commercial florist in this country. The cost of the buildings and equipment will be about \$70,000. The contract for the complete work has been awarded to King Construction Company, North Tonawanda, N. Y.

The Naming of Fern Varieties.

The question of how to name mere forms of ferns has always been a perplexing one. By "mere forms" we do not now refer to wild specimens which may or may not have a permanent character, but rather to those plants bred up by dealers and amateurs for some striking or bizarre abnormality, such as crested or forking fronds. In America it has been customary to name these plants exactly as if they were legitimate species and in recent years we have had more *nephrolepis* "species" added to our lists than the wide world ever contained. In selecting the name by which each form is

to be known, we have exhibited equally bad taste, naming the plants for the discoverer or for the place in which they were found. European fern students apparently have a better way and seem to be evolving some system in their naming as the subjoined notes from the British Fern Gazette would indicate. If these names can be made to designate definite appearances they will certainly be extremely useful in bringing a given form to mind.

"Much confusion exists in the naming of the simpler crested forms as regards the extent of tasselled division and its character. Broadly speaking, it falls into two sections: flat fan-like division and bunch division. The flat cresting may be roughly graded thus: simply forking, furcatum or furcans when confined to two or three divisions; digitatum or fingered up to five or six; polydactum up to 10; multifurcatum up to a score; all these di-



The Late Lyman B. Craw.

visions terminating in points and not dividing again and all spreading out in the same plane—fan-fashion. If the primary divisions fork again we get true cristate or crested forms and still adhering to the flat expansion, we may term them cristatulum, cristatum or, in the case of divided ferns, percrisatum if the pinnules as well as the frond tip and pinnae are crested. When the flat mode of expansion is replaced by a sort of radiating division producing tufts or bunches they become corymbiferous—corymbiferum—and when these are large and heavy the grandiceps form is attained provided the terminal bunch of the frond is so characterized. An extreme form of this producing dense ball-like crests may be termed globosum. All these terms apply to fronds whose midribs are not otherwise divided than at the tips, but when these split lower down into branches this character is indicated by ramosum, ramosissimum, ramulosissimum or, in extreme cases, conglomeratum. This ramose character is indicated in compound varieties, i. e., in which other characters occur in conjunction with it, either by the prefix ramo or the addition of the names of the more developed grades mentioned above, thus ramo-digitatum or muricatum ramulosissimum."—Fern Bulletin.

OBITUARY.

Lyman Burnham Craw.

Lyman B. Craw, well known member of the firm of Lord & Burnham, New York, died at his home at Irvington-on-Hudson, September 1. Mr. Craw was operated upon some months ago for complicated stomach troubles and his many friends were hopeful that his splendid grit would pull him through. But this was not to be, as two weeks previous he took to bed and passed peacefully away, with the family at the bedside.

Mr. Craw was very popular with the trade throughout the country and was considered one of the best informed men on greenhouse construction matters. Until ill health intervened, he regularly attended the annual conventions of the Society of American Florists and for many years he was an active member of the New York Florists' Club, beloved by all who knew him.

Funeral services were held at the family residence September 3, the numerous floral offerings including a handsome standing wreath from the New York Florists' Club.

Mr. Craw was 40 years of age and identified with the Lord & Burnham Co. for the past 20 years. Mrs. Craw and one child survive.

William Benjamin Whittier.

William Benjamin Whittier, proprietor of the Framingham Nurseries, South Framingham, Mass., died August 27, after but a week's illness with pleuro-pneumonia, aged 51 years. Mr. Whittier was a native of Nova Scotia, and founded the business which he had conducted the past ten years. He leaves a wife and three children, also three brothers and three sisters,—one brother, John Whittier, living at the nurseries. The local paper commented on him as follows:—"The high character and sterling worth of Mr. Whittier brought together a large number of business men from near and far. His employees—some fifty or sixty of them—all stood around deeply affected. All bore testimony to the affection and high esteem in which they held him. They declared that a better or more considerate employer could not be found. He was a model husband and father, a staunch friend, whose word was his bond, and a helpful neighbor who never said nay when it was in his power to render assistance. He stood before the community as one whose life of kindness and probity and business ability could well be copied." He was a member of the Bunker Hill Lodge, I. O. O. F., and the Encampment. The interment was in Edgell Grove cemetery at Framingham Center. W. T. H.

John W. Young.

John W. Young of Fall River, Mass., died rather unexpectedly August 28. The deceased was an expert landscape gardener and for many years employed a large gang of men caring for lawns and gardens in the residential section of the city of Fall River. He was widely known and respected. He leaves three daughters. G. A. J.

Peter Casey.

Peter Casey, a landscape gardener, died at his home at Pawtucket, R. I., August 29. The deceased was a member of the Catholic Knights of America, and for two years a member of the city council. G. A. J.

ST. ALBANS, VT.—Geo. Cooke has succeeded to business of Henry Bryant.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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WE are in receipt of flowers of gladiolus Miss Sill, from M. Crawford, Cuyahoga Falls, O. The spike is of medium size and the large, well disposed flowers are of an attractive pink shade.

Personal.

Prof. F. A. Waugh of Amherst has returned from Europe.

Diseased Carnations.

ED. AMERICAN FLORIST:—

Will you kindly tell me what to do for my carnations; they seem to be infested with a rust disease which came on them in the field. We have been and are now experiencing the

worst drought in my recollection. I thought perhaps the dry weather was the cause, and as soon as I could control conditions they would outgrow it, but they have now been set in the greenhouse about two weeks and seem to be worse instead of better. I enclose a sample cutting and any information you will give me will be greatly appreciated.

C. A. H.

The carnation growth forwarded arrived in such a dry and withered condition it was impossible to determine the cause of the trouble. They certainly seem to be afflicted with some disease. Give the plants plenty of air and syringe only on pleasant days and in the morning, never having the foliage wet at night. The recent removal of the plants would check their growth and cause the plants to look as if the disease was making rapid progress. If the disease continues, kindly forward in a few growths afflicted enclosed in wet moss and covered with wax paper that they may reach us in good condition and we will endeavor to enlighten you in your trouble.

Boston Fern Cutworms.

ED. AMERICAN FLORIST:—

I doubt not from his brief description that the caterpillar feeding on Boston ferns at night is the newly discovered Southern Fern Cutworm (*Calloptistria floridensis*), a green larva having characteristic cutworm habits.

I had excellent results in one greenhouse by spraying with a decoction of fresh pyrethrum (2½ ounces steeped for one hour in five gallons of water) in the evening, applying liberally. Light traps should be continuously used to catch the night flying moths. For this purpose lanterns are suspended in tubs containing an inch or two of water over which is a thin film of kerosene oil. The lanterns are suspended in the tubs so that about one-half is above the rim, and should of course be lighted at night.

At present this species has been found in only three greenhouses in Illinois (excepting the probable infestation you mention) and it has proven a veritable pest where found.

JOHN J. DAVIS.

General Trade Conditions.

Bradstreet's of September 3 gives the following summary of present conditions:

"Trade reports vary with sections reporting, and characterization is made difficult by the cross currents visible in financial, commercial, and industrial lines. Taken as a whole a fair trade is doing and collections tend to improve, but high or unsettled prices and irregular crop conditions are bars to the fullest activity usually witnessed at this season of the year.

"There were more failures in August than in any preceding month since March. The total, 934, was 8 per cent larger than in July this year or than in August last year, though 7 per cent smaller than in August, 1908. Liabilities aggregated \$11,933,579, an increase of 42 per cent over August last year, but 53 per cent below August, 1908. New York City has 23 per cent more failures than in August a year ago."

Dun's Review of September 3, says: "Though there has been no pronounced change in business conditions and while a quiet conservatism still prevails, yet the movement in most departments of trade and industry is indicative of increased confidence and wider activity as the fall season draws near."

Chrysanthemum Society of America.

WORK OF EXAMINING COMMITTEE.

Cincinnati, O., August 27, 1910.—Elmer D. Smith & Co., Adrian, Mich., were awarded 86 points commercial scale on Smith's Advance, white Japanese reflexed.

OFFICIAL JUDGING SCALES.

Commercial.	Size	35
Color.....	20	
Form.....	15	Total.....100
Fullness.....	10	Single Varieties.
Stem.....	15	Color.....40
Foliage.....	15	Form.....20
Substance.....	15	Substance.....20
Size.....	10	Stem and Foliage.....20
Total.....	100	Total.....100
Exhibition.		Pompon Varieties.
Color.....	10	Color.....40
Stem.....	5	Form.....20
Foliage.....	5	Stem and Foliage.....20
Fullness.....	15	Fullness.....20
Form.....	15	
Depth.....	15	Total.....100

Single varieties to be divided in two classes, the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.,
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Ansonia, Conn., September 17, 1910.—Annual dahlia exhibition, Intertown Dahlia Association, Assembly room, City Hall.

Boston, Mass., September 23-25, 1910.—Autumn exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston. Address Wm. P. Rich, Horticultural Hall, Boston.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, First Regiment Armory, Michigan avenue and Sixteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., September 22-23, 1910.—Dahlia exhibition, Connecticut Horticultural Society, Unity Hall. Address Geo. W. Smith, Melrose, Conn.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Address Geo. W. Smith, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. Address R. Carey, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Clubs, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., September 15-17, 1910.—Annual fall exhibition of the New Bedford Horticultural Society, Odd Fellows hall. Address E. E. Pierce, New Bedford, Mass.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicoll street, New Haven, Conn.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Egelson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show. Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1632 Alleen avenue, Pasadena, Calif.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition. St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition. Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., September 12, 8 p. m.—Gardeners' and Florists' Club of Baltimore. Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, September 14.—Gardeners' and Florists' Union, No. 10615, 10 and 12 Clark street.

Cleveland, O., September 12, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

La Crosse, Wis., September 13.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Lake Geneva, Wis., September 17, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association. News building.

Madison, N. J., September 14, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New London, Conn., September 14.—New London County Horticultural Society, Elks' hall.

New Orleans, La., September 11, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., September 15, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

New York, September 12, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, September 14, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Pasadena, Calif., September 16, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., September 12, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Scranton, Pa., September 16, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., September 12.—Springfield Florists' Club, office of the Good & Reese Co.

Toledo, O., September 14.—Toledo Florists' Club.

Winnipeg, Man., September 14.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Oct. 1st, by middle-aged German; lifetime experience in greenhouse, fruit and truck gardening; can furnish best references; private or institution. **GARDENER.**
45 Penn Ave., Sharon, Pa.

Situation Wanted—By all-around florist; German, single; 25 years' experience in this country; first-class grower of cut flowers; carnation section preferred; best of references. Please state wages in first letter. Address
Key 193, care American Florist.

Situation Wanted—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address
Key 144, care American Florist.

Help Wanted—A good experienced potter; steady position for the right party; wages \$45 per month. **MOSBEK GREENHOUSE CO.,**
Onarga, Ill.

Help Wanted—Thoroughly experienced greenhouse man as assistant on private place; single; must have references. Address
1918 E. 40th St., Cleveland, O.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties.
VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Two experienced hustlers in rose section; wages \$50.00 per month; state experience and send references.
LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

Help Wanted—At once, a young man to assist me as an all-around greenhouse helper; state wages expected in first letter; also references.

EDWARD TATRO,
407 East Iron Ave., Salina, Kansas.

Help Wanted—For September 1, young man to take charge of bulb growing department; steady job if handy in perennials; must be reliable and sober; near Chicago.
Key 197, care American Florist.

Help Wanted—At once a good fast potter; one who has had experience in growing a general line of stock; state wages wanted; only sober, steady man need apply.
STUPPY FLORAL CO., St. Joseph, Mo.

Help Wanted—Man to work in florist store in New York city; with good references: one who is willing and who understands the florist business. Also would like to employ a young lady or lady who understands the florist business; with good references. Address
Key 200, care American Florist.

For Sale—Model boiler, No. 5-30; good condition; cheap. Address
Key 201, care American Florist.

For Sale—Two second-hand hot water boilers in a first-class condition: one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.
SUPERIOR MACHINE & BOILER WORKS
840-850 W. Superior St., Chicago.

For Sale—Retail seed and florist store well established in city of 500,000 practically cash trade in both lines; reasonable rental, including living apartments; advantageous if buyer speaks German; terms \$1500.00 cash.
Key 174, care American Florist.

For Sale—One good second-hand Ericsson hot-air pumping engine; this engine is in first-class condition, capacity 500 gallons per hour, reason for selling, well went dry and I have put in city water; price cheap write at once to
E. H. MARSHALL Florist, Sabetha, Kan.

For Rent—Four greenhouses and lots: one-half block from car line; good location; northwest side.
R. VIRUS,
5324 Leland Ave., near Milwaukee Ave., Chicago.

GARDENER WANTED.

Thoroughly competent man to take charge of place in which roses, carnations, chrysanthemums, orchids, general stove and greenhouse plants and fruit are grown. There are 10 houses on the place, including conservatory and palm house, with two assistants and night watchman and other help as needed. Married man preferred, one without children or with only small family. Only men of the best habits and character considered. Address, stating wages and full particulars.
Key 198, care American Florist.

CALIFORNIA

Party with \$2,000 to \$7,000 to invest can obtain a fine connection in old established and prosperous business having splendid properties.
Party must be energetic, and with some knowledge of the florist, nursery and seed trade, or having other business ability. Useless to answer unless you can prove qualifications in first letter.
Key 196, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Seedsman Wanted.

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well established nursery business. Address, giving full particulars,

Elliott Nursery Co., Pittsburg, Pa.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000.00 per year or better.
Key 166, care American Florist.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs, Iowa.

Make an Offer for a Nearly New Greenhouse.

Construction first-class; 5,000 feet of glass; cheap fuel; natural gas; hot water heat; city water; good paying business; no competition; one acre of ground; good seven-room dwelling; will stand closest investigation; reason for selling, must take up other business.

W. H. NOBLE, Eldorado, Kan.

Florists' Ice Box for Sale

at a reasonable price.

Also Cash Register, Assortment of Vases, Etc.

C. S. GRIFFITH,
757 W. North Ave., CHICAGO.

FOR SALE.

A well established greenhouse, ready for occupancy, fully equipped with all modern improvements, steam heat throughout, greenhouse office and 7-room residence; has five acres of ground, has all necessary out buildings, city water and sewer connections; six blocks from main part of the city; a bargain for experienced florist, no competition within 40 miles; for information write

W. M. STEVENS, Clinton, Mo.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Poehlmann's Orchids

LARGEST STOCK IN THE WEST

And All the Time Getting Bigger

Beauties, Valley, Roses

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead for quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities and the quality is the Poehlmann Quality and head and shoulders above everything else on the market.

Easter Lilies and Valley all the Year. Our arrangements for a perfect supply of these popular flowers all the year round have long been perfected and we can always take care of your orders.

Chrysanthemums. Our plants never looked better. We shall have a grand supply in all varieties. **Carnations.** Our field stock is perfect and never looked more promising. We shall be in crop early in September. **Green Goods of every description. Everything Home Grown.**

Poehlmann Bros. Co.

Office and Salesroom,
33-35-37 RANDOLPH ST.
CHICAGO.

Long Distance Phone, Randolph 35

Chicago.

The beginning of the month practically closed the summer season and nearly all are back to work after their summer vacations, and the wholesale houses have resumed normal business hours. While the warm weather of last week rather reduced the quantity of business yet all the dealers both wholesale and retail report an exceptionally good summer trade and the outlook for the fall is very promising. The present week opened very auspiciously, many of the wholesalers, who intended to close early Monday (Labor Day) received so many shipping orders that they were obliged to remain open during the afternoon. A large number of weddings this week was productive of exceptionally good trade in some lines, the dealers in southern smilax and boxwood sprays receiving some very good orders.

American Beauties are being received in much larger quantities and of better quality, and are moving more freely. Chrysanthemums are showing great improvement but the demand for this flower at this season is very light. The recent heavy rains have seriously damaged the outdoor stock and asters especially show the effect of the storms.

FLORISTS' CLUB MEETING.

The regular meeting of the Florists' Club was held September 1. President Asmus in the chair. There was a very good attendance and President Asmus, who has just returned from the east, was warmly greeted as president-elect of the Society of American Florists. Routine business was transacted and the principal subjects of discussion were the recent convention and the coming National Flower Show to be held at Boston, Mass., March 27 to April 1, 1911. Vaughan's Seed Store exhibited some spikes on the new Gladiolus Mas-

todon, which we understand is one of Dr. Van Fleet's hybrids with Princeps blood, a very large spike with magnificent dark scarlet flowers. Walter Scott of La Grange exhibited flowering stems of a very desirable hydrangea which he discovered as a wildling two or three years ago in the neighborhood of his establishment. Vice-President Philpott was sponsor for a heavy list of new names submitted for membership. Chairman Yarnall of the bowling committee announced that the season of 1910-11 would be inaugurated without delay.

NOTES.

Leopold Koropp, 4509 Evanston avenue, has the contract for decorating the Hotel La Salle. He also does the decorating at the Grand Pacific, Vogel-sang's, the Union, Hofbrau, Rienzi, and other resorts. John Farmer, Mr. Koropp's right hand man, is spending his vacation in Wisconsin.

George Perdikas' store, corner of Dearborn street and Jackson boulevard is being remodeled. New fixtures will be added and the interior and exterior painted. George realized a neat income from his three stores this summer, part of which is being spent for improvements.

Bassett & Washburn are cutting very heavily in choice white and pink carnations, and also shipping in a few asters and chrysanthemums. They are also offering a good quality of American Beauty roses.

Argeson & Papatony are enjoying a brisk business at their stores in the Masonic Temple and the Briggs House. Both stores have fine window displays and are well kept up. T. Argeson looks after the buying.

Zeck & Mann report shipping trade very good. Carnations are arriving in larger quantities. Harrissi lilies continue to arrive and sell readily. The

first boxwood of the season arrived September 1.

M. Crawford, Cuyahoga Falls, O., passed through the city this week en-route to Lake Mills, Wis., where he will be engaged harvesting gladiolus bulbs until October.

A. L. Randall is busy filling wild smilax orders. Asters are coming in a little better condition. American Beauty roses are being received in larger quantities.

Frank Ayres of Chas. W. McKellar's, is enjoying his vacation among the lakes in Canada, spending the spare moments in fishing.

Hoerber Bros. are receiving a very good quality of White Killarney and American Beauty roses. Asters are finding ready sale.

E. B. Washburn on September 5 won the prize for the lowest net score at the Hinsdale Golf Club meet. 100 other players took part.

The Geo. Wittbold Co.'s North Clark street store is offered for sale, the firm's business concentrating at Buckingham place.

J. A. Budlong is showing a fine quality of carnations grown from young stock, which are finding a ready market.

At Wieter Bros., the stock is coming in very plentifully, some fine American Beauty roses were noticed here.

Kennicott Bros. are receiving a good stock of outdoor carnations, also large quantities of gladiolus.

J. Didier, 6972 N. Clark street, reports that outside of funeral work business is very quiet.

A. Lommel, formerly of the Lakeside Floral Co., of Chassell, Mich., was a visitor the past week.

Chas. W. McKellar is receiving a large quantity of Hill's Branching aster from the east.

O. P. Bassett and wife arrived home September 1 from their trip to Europe.

BEAUTIES

Big Crop Now on at Very Low Prices

**Killarney, Maryland, Rhea Reid, Richmond,
Maid, Bride and Perle**

Also New Fancy Carnations

—PRICE LIST—

AM. BEAUTIES,	Per doz.
30 to 36 in.....	\$2 50 to \$3 00
24 in.....	2 00
18 in.....	1 50
12 to 15 in.....	1 00
Short stems, per 100,	2 00 to 4 00
ASTERS, according	
to size.....per 100,	\$2 00 to \$4 00
HARRISH LILIES.....per doz.,	\$ 1 50
" per 100,	\$8 00 to 10 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	2 00 to 3 00
Extra select Kaiserin....	8 00
ROSES, our selection...	2 00
FANCY CARNATIONS,	
Pink and White.....	2 00

Yellow 'Mums, per doz.	\$1 50 to \$2 00
Lily of the Valley.....per 100,	3 00
Asparagus.....per string,	60
" Sprays, per 100,	\$3 00 to 4 00
Sprengerl.....per 100,	2 00 to 3 00
Ferns.....per 1000,	1 50
Smilax.....per doz.,	2 00
Adiantum.....per 100,	1 00
Galax, green.....per 1000,	1 00
" bronze.....per 1000,	1 00

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

**BUY DIRECT OF THE GROWER
AND GET FRESH STOCK.**

Greenhouses:
Hinsdale, Illinois

J. B. Deamud is receiving a good quality of asters and gladiolus, Francis King showing up remarkably well. Chrysanthemums are arriving in good shape and the best Golden Glow on the market were seen here. This is also the headquarters for wild smilax.

Miss Lillian Bloom, for the past four years an employe in the Bassett & Washburn office force, was married September 7 to Mr. William Fenniger, the well known florist of Toledo, O. The happy couple, after a short bridal trip, will start housekeeping at Toledo.

Business has improved considerably at Vaughan & Sperry's, the first of the month starting in strong. Lillies are coming in nicely and selling readily. Gladiolus are arriving in good condition and carnations are coming in in larger quantities.

A large quantity of everything was to be seen at E. C. Amling's, the stock is of good quality, with Killarney roses at their best. Business here has been very good and from the present outlook the fall season will be very busy.

Miss Nelda Wolff, bookkeeper at J. A. Budlong's, returned August 29 from her vacation in Wisconsin. Henry Weiss came back on the same day from a two weeks' outing at Tomahawk lake, Wisconsin.

American Beauty roses continue to arrive as usual at Peter Reinberg's, a fine quality of Richmond roses grown from young stock is shown here.

H. L. Keun filled a Liverpool cable order for the Wells funeral this week. Mrs. J. U. Keun is visiting relatives at Muskegon, Mich.

The elevator entrance to the Flower Growers' Market was changed from Wabash avenue to Randolph street September 6.

The Chicago Rose Co., is receiving roses of a very good quality. A large shipment of silk netting was received this week.

Weiland & Risch report business improving. They are cutting a good crop of carnations. Shipping trade has been very good.

Albert A. Sawyer, Oak Park, will have a record of 60,000 fancy asters this season and will grow 50,000 pansy plants.

Luke Collins planted 40 sash of pansies last week. Several boxes of glass were destroyed by the recent storm.

Poehlmann Bros. are handling a large quantity of roses, their American Beauties are of extra fine color.

Martin Peterson, 2552 W. Division street, returned September 1 from a fishing trip at Twin Lake, Wis.

We noticed some extra fine Pink Killarney roses grown from young stock, at John Krutchen's.

Business has been good at E. H. Hunt's. This firm is offering some fancy asters this week.

C. M. Dickinson of E. H. Hunt's returned September 2 from an outing at Pelican Lake, Wis.

J. A. Mendel, West Eighteenth street, is a democratic candidate for county commissioner.

American Beauty roses are arriving in much larger quantities at Geo. Reinberg's.

Ed. Misiewicz and son Sigmund spent September 4 and 5 in Milwaukee.

Kyle & Foerster are disposing of some good American Beauty roses.

J. F. Klimmer is somewhat better this week.

Visitors: Julius Roehrs and son, Rutherford, N. J.; Mrs. C. C. Pollworth, Milwaukee, Wis.; A. Dettman, Milwaukee, Wis.; Mrs. M. C. Sadewater, Rockford, Ill.; H. H. Kuhlmann and wife, Houston, Tex.; S. Wachenheim, Vicksburg, Miss.; Chas. Johnson, Chillicothe, O.; E. E. Stewart, River Junction, Mich.

About the Thistle.

In Tartary there is a species of thistle which grows so large that the Tartars build their huts in the shade of it. As autumn approaches the stem decays and the blossom dries into a large feather ball, which is driven over the plains by the wind.

The coat of arms of the National Bank of Scotland, granted in 1826, bears a figure of St. Andrews, the patron saint of Scotland, carrying his cross before him, surrounded by a border of thistles.

There has been some controversy as to which variety of the plant was originally selected as the emblem of Scotland, but the common cotton thistle, with its purple flower, is now generally accepted as the Scotch thistle. The thistle family is a very large one and widely diversified. In France, Germany and Spain there grows a variety known as the Carline thistle. It is very large and the country folk hang it outside their cottage doors as a barometer. Before a rain the flower invariably closes and when the storm is nearly over it gradually opens.

The thistle of Scotland is said to be the oldest national flower on record, and tradition traces its adoption to the reign of Alexander III and the battle of Largs.—General Press.

Luxemburger Bruderbund Schobermesse.

The annual Schobermesse of the Luxemburger Bruderbund was held at Karthaus Grove, Chicago, September 4-5, and drew a large attendance of the growers, florists and gardeners of the north shore. The exhibit of flowers, fruits and vegetables was large and was viewed by thousands. The vast throng was entertained with songs

American Beauties in Full Crop

We are the biggest Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties,	Per doz.
Long stems.....	\$3 00
30-inch stems.....	2 50
24-inch stems.....	2 00
20-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
Per 100	
Richmond, select.....	\$6 00
medium.....	\$4 00 to 5 00

	Per 100
Killarney, select.....	6 00
medium.....	4 00 to 5 00
Mrs. Marshall Field, select.....	\$6 00
medium.....	\$4 00 to 5 00
Bridesmaid.....	4 00 to 5 00
Bride.....	4 00 to 5 00
My Maryland, select.....	6 00
medium.....	4 00 to 5 00
Chatenay.....	5 00
Ivory.....	5 00

	Per 100
Asters.....	2 00 to 3 00
Valley.....	3 00 to 4 00
Easter Lilies.....per doz.,	1 50
Asparagus Plumosus,	
extra quality...per bunch,	35 to 50
Fancy Ferns.....per 1000,	1 50

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

of the Vaderland, dancing and other amusements.

John C. Moninger Co. exhibited a greenhouse showing the new method for hinging ventilators. All hinges are attached directly to the sash bar in place of the header. This makes it possible to use only a small strip to stop the glass and this new header is placed high up under the bottom rail of the sash so that all drip under the sash runs outside on the roof instead of dropping on the plants. The new lock splice, a great improvement over the old top splice, was also shown.

The judges of the flower exhibit, L. Becker, J. Didier and H. Weber awarded the prizes as follows:

Adam Zender: Three firsts and two seconds on Jardine, White Killarney, Pink Killarney, Kaiserin and My Maryland roses.

Wietor Bros.: Six firsts and eight seconds on American Beauties, Kaiserin, White Killarney, Uncle John, Maid, Bride, Jardine and Richmond roses.

Fisher Bros.: First on lilies and gladioli.

Vaughan's Seed Store: First on perennials and shrubbery.

Geo. Witthold Co.: General first on palms and decorative plants.

Fisher Bros.: First on ferns, second on palms and decorative plants.

Henry Seitz: Second on ferns.

The display of fruits and vegetables was large and attracted a great deal of attention.

Milwaukee.

Stock is selling readily and business is very good, especially shipping, which keeps the market cleaned up mostly all of the time. Roses enough to fill all orders, of very fine grade. Lots of gladioli and bringing good prices. Carnations are still very scarce. American Beauties are of fine quality, mostly medium grade. Valley and lilies shorted up last week and brought good prices.

THE PICNIC.

The picnic arranged by the Florists' Club took place last Sunday. It was a success although only a small crowd turned out as the weather looked very threatening and cold, which accounted for such a small attendance. Some of the last ones to leave were unfortunate

enough to get drenched by the heavy rain, which made it very unpleasant. Outside of this everybody enjoyed themselves as there were enough games and races to keep the crowd going. The following were successful in the games and received the prizes donated by members of the club:

Nail driving contest for men:
First prize, Gus Rusch.
Second prize, Wm. Zimmerman.

Nail driving contest for ladies:
First prize, Miss Gertrude Sommers.
Second prize, Miss Ella Voelzke.

Sack race for men:
First prize, C. Gorg.
Second prize, A. R. Thurson.

Sack race for boys:
First prize, Frank Clear.
Second prize, Rudolph Haasch.

Men's race:
First prize, Peter Nohos.
Second prize, Fred H. Holton.

Young men's race:
First prize, B. Seeley.
Second prize, C. Gorg.

ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.

Send for Quotations.

CHAS. W. McKELLAR

51 Wabash Avenue.
CHICAGO.



Potato race for ladies:
First prize, Gertrude Sommers.
Second prize, Norma Jung.

Potato race for girls:
First prize, C. Halliday.
Second prize, Alice Greibler.

Small girls' race:
First prize, Ruth Holton.
Second prize, Viola Rusch.

Small boys' race:
First prize, Irwin Berndt.
Girl's race, Margaret Welke.

Tug of war:
Captains of team, E. Welke and Fred H. Holton; the team captained by the latter won the contest.

The donors of prizes were Chas. Menager, C. Dallwig, E. Welke Co., Alexander Klokner, Holton & Hunkel Co., C. C. Pollworth Co., Wm. C. Zimmermann, Edlefsen & Leidiger, Nic. Zweifel, Robert Zepnic, Aug. Kellner, Mueller & Schroeder, Walter Hummel & Co., Heitman & Baerman, R. Preuss.

Committee on arrangements: Gus Rusch, Fred Holton, W. C. Zimmermann, G. H. Hunkel.

Committee on sports: H. V. Hunkel, C. Dallwig.

IF YOU ARE LOOKING

For Good Stock

We recommend sending us your orders regularly. You will find our stock equal to the best and better than the rest. Can supply

Good Yellow 'Mums.

Golden Glow and others.

Fancy White Asters

Good substitute for White 'Mums.

Beauties,

Jardine,

Killarney,

My Maryland,

Richmond,

Field,

Kaiserin,

Bride,

Bridesmaid.

Carnations

New Crop Now Ready. Red,
White, Pink and Light Pink.

All Other Stock in Season

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE

GROWER of

CUT FLOWERS

Valley
Asters
Harrisii
Gladioli
Auratum

Smilax
Asparagus
Sprengeri
Adiantum
Ferns

NOTES.

John C. Rost is adding a new house to his place. He is a retailer and has been in the business for many years and is numbered among the oldest florists in the city.

Jim Spencer, with Currie Bros. Co. for the last twenty years, lately with the Nebraska Seed Co., has joined the ranks of Vaughan's Seed Store.

Mr. and Mrs. F. Davis returned from a five weeks' trip through Yellowstone Park, Colorado Springs and other points of interest.

C. Dallwig reports that he is receiving quite a number of orders for bulbs which are to be delivered in the near future.

Ernest Praefke has a nice lot of Cyclamen and Primula Obconica which look very promising for coming season.

The Flora Bon are putting up quite attractive window displays which is a very good advertisement for them.

Hunkel's Seed Store received the first shipment of Dutch bulbs and is getting busy filling orders.

Mrs. Seamen, of the Currie Bros. Co., resumed duties after two weeks' recreation.

Roy Currie went to the lake Sunday to close up the summer home for this season.

Mueller & Schroeder Co. is cutting a few good carnations of their new stock.

The Sherrer Co. reports business very satisfactory considering the time of the year.

Visitors: George Thompson, Northrup, King & Co., Minneapolis; A. Craig, Philadelphia; E. Haentze, Fond du Lac; M. Reukauf, Bayersdorfer Co., Philadelphia; Robt. Miller, Racine; Aug. Poehlmann, Morton Grove, Ill.; Mr. Johnson, A. L. Randall Co., Chicago; E. J. Deal, London, Eng.; E. A. Ollinger, Chicago, Ill. G. R.

SUMMIT, N. J.—Frank Hemenway, the 17-year-old son of Charles D. Hemenway, was arrested recently on a charge of stealing flowers and presenting them to a young woman. The flowers were stolen from a greenhouse owned by James Leslie, of 541 Morris avenue. The boy was held for the grand jury.

St. Louis.

SIGNS OF AUTUMN.

The cooler weather did not last long and we have experienced some very warm days. School started September 6, summer gardens are closing, theaters are opening up, so with the return of society, which will continue through September, we can expect the season will start up shortly. The wholesale houses are completing their alterations, affording better facilities than ever before for the handling of large consignments will be seen in all four houses. Bernings' 12x12 icebox will certainly give him ample room to handle increased business. At Smith's the increased floor space will take care of the large consignments of local growers and nowhere will they be able to make a better display than on the ground floor. The offices, with wire workrooms above, are fitted up to easily handle any amount of business. At Angermueller's and Kuehn's they are fully prepared for increased fall and winter trade. Flowers of all kinds are plentiful. Tuberoses are a glut. American Beauty roses have been quite plentiful and the keeping quality is not good owing to extreme hot weather.

Some very fine Golden Glow chrysanthemums are in the market but are not selling.

Some very fine asters were seen at the wholesale houses the past week.

NOTES.

Kalisch Bros.' store and greenhouses on Delmar and Taylor avenues have been painted and overhauled. They are raising orchids and expect considerable increase in the demand for these flowers this fall and winter.

George Hartman, who has been rebuilding one of his houses, was caught by the heavy rain Sunday. The glass was not on and he had planted a bench of Asparagus Sprengeri, which was damaged by the rain.

September 4 being the first Sunday of the month, the Shaw Garden was open to the public. The attendance owing to the rainy weather was of course small, 2,300 being the registered number.

Alex. P. Geranios, manager at the Metropolitan Floral Co., is now open

and is making some very beautiful and artistic window displays. He expects to make these displays a feature.

Preparations for the flower show are going on. It is expected that a very large increase of exhibits will be shown owing to the liberal prize list.

Andrew Meyer, city forester left Saturday for the Pacific coast. W. Jordan and Julius Koenig will have charge in his absence.

Chas. Schoenle and George Angermueller returned from their fishing trip. Forty-five pounds of assorted fish were brought back.

G. G. Edwards is cutting some fairly good white carnations. He expects a fine crop as soon as cooler weather arrives.

Next Thursday at Weber's Nursery the Florists' Club will meet. The installation of officers will then take place.

Ostertag Bros. had the decorating at the Cambridge Court opening. The 50 tables each had a centerpiece of asters.

Paul Schneider is now cutting dahlias. The dry weather has made them late and not half the supply of a year ago.

G. E. Ahner has started cutting from his carnation houses. Violets are planted and looking well.

Werner Bros. find their rose supply curtailed to a large extent, due to the warm weather.

F. C. Weber and wife have returned from the east. They were on their wedding tour.

Alex. Waldbart and sons returned from the convention, speaking highly of Rochester.

Ed. Kelley and wife of the Kelley Floral Co. returned Sunday from Chicago.

F. W. Pape has left for a week's vacation out the river.

Philip J. Goebel is cutting some fancy white dahlias. F. W.

BARABOO, WIS.—Wm. Toole & Sons have received material for a new greenhouse, which will be ready for business sometime during coming winter.

BEAUTIES, ORCHIDS and VALLEY

Our **Beauties** are arriving in excellent order and we have plenty for everybody in all lengths. Our growers are just coming in cut with the best grade of **Orchids** (*Cattleya labiata*), **Valley**, **Asters**, **Gladioli**, and **Easter Lilies** in full supply and for quality there is nothing to beat them on this market. The **Roses** are improving right along and cannot be beaten in this or any other market. We want a trial order and are convinced we shall hold your trade.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem	\$3 00
37-inch stems	2 50
24-inch stems	2 00
20-inch stems	1 50
15-inch stems	1 25
12-inch stems	1 00
Short stems	\$4 00 to \$6 00 per 100
Richmond, select	Per 100
medium	\$6 00
medium	\$4 00 to 5 00
Killarney, select	Per 100
medium	6 00
medium	4 00 to 5 00

	Per 100
Bridesmaid	\$4 00 to \$5 00
Bride	4 00 to 5 00
My Maryland, select	6 00
medium	4 00 to 5 00
Chatenay	5 00
Ivory	5 00
Asters	75 to 3 00
Gladioli, named varieties	5 00 to 6 00
in mixture	1 50 to 2 00
Roses, our selection	3 00

	Per 100
Carnations	\$ 75 to \$2 00
Valley	3 00 to 4 00
Easter Lilies	10 00 to 12 00
Sprengreri	25c to 35c per bunch
Asparagus Plumosus, extra quality per bunch	35c to 50c
Fancy Ferns, per 1000	\$1 50

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Washington.

The members of the different branches of the trade are looking forward to a busy season, but no heavy business is expected while Beverly, Mass., is the summer capital. In anticipation of busy months to come, practically all the retailers have re-decorated or given some improving touches to the interiors of their stores and now only await the return of the regular residents and the influx of the army of statesmen and social celebrities. There is here as in other cities the usual amount of funeral work, most of which goes to the stores located in the business section and to the Center Market dealers. For this early in the season, some very good stock is seen, notably American Beauty and Killarney roses, but as previously intimated, the demand is light aside from funeral orders.

There is beginning to be a considerable movement in palms and ferns and very fine specimens of the latter are found in local greenhouses.

NOTES.

Wm. C. Clark, the well known grower located on the Bladensburg road, has a splendid stock of double poinsettias coming on, many of which are in pots and which he is now selling, and many in beds for Christmas cutting. All are propagated from root cuttings. Mr. Clark has been very successful in propagating from root cuttings and the double poinsettias can be multiplied much faster in this way. For flowering in pots and pans, the double variety is a much superior display to singles and we look for them to become popular. Mr. Clark has also a large stock of *Nephrolepis Smithii*, the Washington Lace Fern, a sport of *Whitmanii*. It was grown at the U. S. Botanical Gardens and named for the honored W. R. Smith, and we predict that it will be an enduring memento to his activity and interest in horticultural matters. It is dwarf and compact in habit, graceful and beautiful. For jardiniere and table work it is unexcelled. It seems to be just the kind of a fern that the trade now needs as we are pretty well supplied with the larger varieties.

The "Old Mill" in Gude Bros. Co. store window is an original and interesting piece of work. It recalls the poem of the deserted mill where ghostly figures appeared in the night and worked till dawn. This one, however, is not ghostly but a miniature mill run

by real water where the mill hands move regularly about. There is a pond and the usual display of fine aquatics. Gold fish and turtles also disport themselves.

A recent visit to the Brightwood range of J. R. Freeman, where James Quinn is now foreman, showed a very fine stock of roses and carnations coming on. We have seen no better carnations at this season. During the summer the district authorities ran a sewer under the rose range which caused great delay and inconvenience in planting.

R. Bowdler is one of the old growers of this city in point of service, though he does not look old. In addition to chrysanthemums and a general variety of indoor stock, his grounds at present show many fine features in flowering shrubbery, notable being a beautiful display of clematis.

Another fine window is in Geo. C. Shaffer's store, a miniature lake in the shelter of a finely constructed rookery. The lake is filled with lilies and lotus and finely bordered with various ferns. A large school of gold fish is another of its attractions.

F. H. Kramer at his Anacostia range has a fine stock of roses, carnations and chrysanthemums coming on. Another noteworthy feature of this place is the great stock of ferns, many of the Boston variety being very large and graceful.

Henry Pfister and wife, who are in Europe, will return early in October.

W. W. Kimmel and family have returned from a stay at Colonial Beach, Va. His new store is being well fitted up and a conservatory will be erected in the rear.

D. Blackistone, who with his wife attended the Rochester convention, was well pleased. He is now devoting his energies to his store, which, as usual, is neat and attractive.

Geo. H. Cooke and wife took a trip through Canada before attending the convention. As Mr. Cooke brought back two cups from the bowling he is naturally well pleased.

Jacob Minder, of Cottage Hill, in addition to chrysanthemums, has a large stock of small ferns suitable for dishes and is preparing to force a lot of bulbs.

A number of very attractive window decorations may now be seen in the retail stores of this city.

Chas. Meehan of S. S. Pennock-Meehan Co., was a visitor last week.

J. H. Small and wife are expected home from Europe about September 15.

Adolph Minder is engaged in much the same lines of growing.

WASHINGTON BOWLERS BANQUET.

The victorious Washington bowlers were given quite an ovation at the Royal Alleys, New York avenue, on the night of August 31. While the individual members of the team, consisting of Captain Ernst, Geo. C. Shaffer, Geo. H. Cooke, Robt. McLennon and Samuel Simmonds, were enjoying themselves down stairs, some of the other members of the club who were unable to attend the Rochester convention were busy preparing a surprise for the winners of the champion cups. A room on the third floor was handsomely decorated and an abundant supply of eatables and bottled beverages provided. After everything was in readiness the champions were brought up and introduced as the guests of honor at the feast. While all were busy with the viands Geo. H. Cooke sprung a surprise when, as if by magic, the Wm. F. Kastings cup was filled to the brim with that sparkling and well known vintage, dear to good livers. In brief, the loving cup passed around and it was finally agreed that it takes the florists to do things right.

During the past week three of the cups were on exhibition in the window of Geo. C. Shaffer's store. They were the Wm. F. Kastings cup, the H. Bayersdorfer & Co. cup and the cup presented by the Whildin Pottery Co.

Geo. H. Cooke exhibited at his store the two cups he won for individual work.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

The study of transportation of perishable products, carried on in France since 1905, is to be continued by a committee presided over by Senator Viger and consisting of three senators, 10 deputies, prefects of the Seine and of police, president of the municipal council of Paris, directors of six great railway companies, two directors from the Department of Agriculture, presidents of syndicates of shippers, president of the syndicate of commission dealers, presidents of the principal agricultural societies, and others. Some such united action will eventually become a necessity with us.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO
Long Distance Phone Central 3155.

The touring club of France has set aside a fund of \$600 this year for prizes to be competed for by station-masters on various much frequented lines, to be awarded for: (1), floral and shrub decoration of the station and grounds; (2), their general appearance. Five prizes of \$20 each; 25 prizes of \$10, 25 "Touring-Club" chronographs, value \$10 each. A total of \$16,000 in prizes is expected to be distributed in the next four years.

The Royal Horticultural Society of England is projecting an international horticultural exposition in London in 1912, the last one having taken place in 1866, and having been a remarkable success.

Among the new aconitums, Wilsoni easily holds the first place for hardiness, beauty, size of bloom and sturdiness of growth. Its magnificent blue makes it most desirable for August and September blooming. Aconitum Vilmorinianum grows 12 feet high, is hardy, bearing rather slenderly branching stalks of violet flowers varying in shade and about an inch in length.

The International Congress of Horticulture, held at the opening of the Brussels exposition, was a great success and attended by over 600 members. An extensive programme was given, covering subjects as various as plant diseases, etherization, cold storage, fertilization of fruit trees, horticultural instruction, germination of orchids, forcing of plants, landscape architecture, etc. An interesting question was the reform of exposition programmes, also the part of the press in popularizing horticulture.

Gladiolus Edward VII.—An elegant gladiolus, said to be a cross between Ardens and Crimson Queen. It belongs to the early-flowering group, and adds needful color to it. The flowers

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Sept 7.		
Roses, Beauty, extra select	3 00	
" " specials	2 50	
" " 36 in	2 00	
" " 30 in	1 50	
" " 18 in	1 25	
" " 15 in	1 00	
" " Short	50@	75
Per 100		
" Bride, Bridesmaid, select	3 00@	8 00
" " medium	2 00@	2 50
" Killarney, select	3 00@	10 00
" " medium and short	2 00@	2 50
" Kaiserin	3 00@	10 00
" Mrs. Jardine	3 00@	10 00
" Chateaufort	2 00@	10 00
" My Maryland	2 00@	10 00
" Perle	2 00@	10 00
" Richmond	3 00@	10 00
" Uncle John	3 00@	10 00
" White Killarney, select	4 00@	10 00
" " medium	2 00@	3 00
Carnations	75@	3 00
Asters	50@	3 00
Chrysanthemums	per doz., 2 00@	2 50
Cattleyas	per doz., 4 00@	6 00
Cosmos	1 00@	3 00
Dahlia	2 00@	4 00
Gladioli	1 00@	4 00
Lilium Harrisii	per doz., 2 00	10 00@12 00
Lily of the Valley	2 00@	4 00
Mexican Ivy	75@	1 00
Adiantum	per 100, 75@	1 50
Asparagus Plum. strings, each	60@	75
" " sprays	3 00@	4 00
" Sprengerii	3 00@	4 00
Ferns	per 1000, 1 00@	1 50
Smilax	1 50@	2 00

are larger than those of most early varieties, and they open well. The color is deep rich orange-red, with a large whitish central area, shaded with purple on each of the three lower segments. It received an award of merit from the Royal Horticultural Society on July 5, being shown by Frank Lilley, Guernsey.

Rambler Rose Flame.—A beautiful new rose of the rambler or multiflora type. It is said to grow about nine feet high. The flowers are of a rich and bright shade of rosy pink with light center; they are semi-double, and produced in large and effective clusters. It received an award of merit from the Royal Horticultural Society on July 19, being shown by Charles Turner, of Slough.

The Association of Free Spaces and Public Gardens, affiliated with the National Horticultural Society of France, announces for discussion: (1) "Labeling of Plants in Public Gardens;" (2) "Playgrounds." Both subjects are of vital interest in our own country and

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing



HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Quality Counts..

Let us have your next order for
Roses and Carnations
and other Seasonable Flowers.

JOHN KRUCHTEN,
51 Wabash Ave., CHICAGO.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

might be discussed to advantage at our conventions.

Begonia Mrs. W. L. Ainslie.—A superb double self yellow-flowered variety of great size, charm and excellence. In the yellow-flowered class this variety practically stands alone. Exhibited by Blackmore & Langdon, Bath; and T. S. Ware, Limited, Feltham. Award of merit.

Delphinium Belladonna Semi-plena.—With a name so fully descriptive we only need to add that the variety is one whose dwarfness and color beauty will render it one of the most serviceable of dwarf-growing sorts. Award of merit.

Rose Mrs. Foley Hobbs.—A large and excellent-shaped tea variety, the color of which is creamy white, very slightly tinged flesh pink. Award of merit. Both the foregoing were shown by Alex. Dickson & Sons, Newtownards, Ire.

Bronze Galax

\$7.50 per case.

It pays you to buy our Galax by the case now, because they are just as good now as any other time of the year.

Dahlias

\$1.50 to \$3.00 per 100.

All the best varieties. We can make the shipments direct from the grower to you. Try a sample shipment.

THE LEO NIESSEN CO.,

1209 Arch St., Philadelphia, Pa.

Philadelphia.

RAIN DAMAGES OUTDOOR STOCK.

There is no change worthy of note in the condition of the cut flower market. Some very good greenhouse stock, for the season, in the line of roses has been arriving. The outdoor stock has, to some extent, been damaged by heavy rains. The weather continues warm with great humidity and the best buyers still linger at the seaside and mountain resorts. September 5th, Labor Day, brought no extra business to the florists; in fact, if there was any change it was a falling off and a number of the stores closed in the afternoon.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club of Philadelphia was held on Tuesday evening, September 6, President Heacock occupying the chair. Secretary Rust having recovered from his recent lameness was able to be present and assume his official station. The committee on essays reported upon the work which the committee had accomplished during the year, which certainly showed commendable results. J. Otto Thilow spoke of the convention of the S. A. F. and O. H. held at Rochester, which in his opinion was the best that the society had ever held. He warmly commended Pres. Pierson and Sec'y Dorner for their untiring efforts, and results obtained, and was enthusiastic in his praise of the hospitality, and courtesy of the craft of Rochester, and the energy and zeal exerted to make the visitors feel at home and enjoy themselves. Interesting remarks were also made upon this theme by John Westcott, Leo. Niessen and D. F. O'Connor, which were favorably received. The secretary reported the death of George Redford and A. J. Hamilton, both members of the club. The nomination of officers for the ensuing year. The incumbents of the several positions, Joseph Heacock, president; Alfred Burton, vice-president; David Rust, secretary, and George Craig, treasurer, were all re-nominated.

NOTES.

A. R. Jones of the S. S. Pennock-Meehan Co., has just returned from a month's sojourn in Canada. He visited the leading cities, Montreal, Toronto and Quebec, and took a side trip of several hundred miles up the Saguenay river and was delighted with the scenery along its banks. Later he visited Halifax and Digby, Nova Scotia, and was well pleased with what he saw of the country of the Bluenoses.

D. T. Connor, local representative of the Lord & Burnham Co., has just closed a contract with R. Vincent Jr. & Sons Co., of White Marsh, Md., for two houses, each 250x35 feet. A number of other contracts have recently been secured in this vicinity by Mr. Connor.

At Crawford's Flower Shop, 5210 Market street, great improvements are being made in the way of decorating and refitting. There is already a nice conservatory attached to the store and it ranks well with any in the city.

The Robert Craig Co. is doing a heavy business in shipping plants. Their crotons are now the star attrac-

Wholesale Flower Markets

PHILADELPHIA, Sept. 7.		
Roses, Beauty, extra.	15 00@25 00	Per 100
" first	8 00@10 00	
" Brides and Maids.	1 00@ 5 00	
" Killarney	1 00@ 6 00	
" White Killarney	1 00@ 5 00	
Asters	75@ 3 00	
Cattleyas.	50 00@75 00	
Gladiolus.	2 00@ 4 00	
Lilium Harrison.	6 00@ 8 00	
Lily of the Valley.	2 00@ 4 00	
Snappdragons.	4 00@ 8 00	
Adiantum	75@ 1 00	
Asparagus..... per bunch	50	
Smilax.....	15 00@20 00	
PITTSBURG, Sept. 7.		
Roses, Beauty, special.	12 00@15 00	Per 100
" extra.	8 00@12 00	
" No. 1.	4 00@ 6 00	
" Bride, Bridesmaid	1 00@ 4 00	
" Chateau.	1 00@ 4 00	
" Killarney	1 00@ 4 00	
" My Maryland.	1 00@ 4 00	
" Richmond	1 00@ 4 00	
Carnations	1 00@ 2 00	
Asters	1 00@ 2 00	
Gladioli	2 00@ 5 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	3 00@ 4 00	
Sweet Peas.	25@ 1 50	
Adiantum	1 00@ 2 00	
Asparagus Sprenger, per bunch.	50	
" strings... per string.	50	
" sprays... per bunch.	50	
Smilax	15 00	

tion and are going out fast. Robert Craig, Jr., is taking a short vacation at Atlantic City.

S. F. Lilly, the wholesaler who recently removed to No. 5 Mole street, is well pleased with his new location. Incidentally, he is handling good stock, for the season, of Killarney and My Maryland roses.

Schenk's at 629 North 17th street, is now handling a lot of very fine ferns, but is equally well supplied with cut flowers and can make up a design on very short notice.

The Primrose Flower Shop, 828 North Broad street, is a retail store that is well worthy of a visit from anybody who appreciates tasteful work.

Mr. Charles Fox is another of the North Broad street florists who has an established reputation and gives customers their money's worth.

Ehret's Floral Arcadia, 702 North Broad street, justly deserves the name as it is a veritable arcadia, and customers go away smiling.

Edward Reid is now handling fine rose stock, in fact, it is hard to find anything but good stock, at any time, in Mr. Reid's store.

Robert Kift is thoroughly redecorating his store so as to have everything in readiness for the busy season.

Samuel R. Ailken, 1722 Columbia avenue, is showing fine design work.

Pittsburg.

PROSPECTS BETTER.

The opening of September sees the homecoming of many flower buyers that forsake the posies during the summer months. The wedding dates indicate that the coming season will be an important one to the florists. Looking over last week, business could have been better in spots. Asters are

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURG, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Mention the American Florist when writing

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First Class Stock.
"Honesty Our Motto." Try Us.

BERGER BROS.

Wholesale Florists

1220 Filbert Street.

PHILADELPHIA, - PA.

Long experience in the business and fair dealing enables us to offer good terms to all our patrons

now coming in by the carload, flooding the commission houses. Some very fancy stock is seen. There are also quantities of short stem stock that do not get a look. Beauties and roses are moving very slow. Valley is selling up very clean, the demand being far greater than the supply. The heavy rains the past ten days have saved a little of plant and vegetable life. Greater bulk being beyond help.

NOTES.

Pittsburg Florists' and Gardeners' Club will hold its regular monthly meeting at the Fort Pitt hotel, Tuesday, September 6. On the subject: Gladiolus and Phlox, a fine display of flowers is expected. Mr. E. C. Reine-man will talk of "Floriculture" as he saw it in Europe this summer.

Traugott Molbranc, Johnstown, Pa., was a visitor in town today and states

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire st. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

he has finished two new carnation houses 300x35 feet.

Gilbert Weaklin, who has been with Randolph & McClements for twelve years, has resigned his position with that firm.

H. C. Buechler, South View Floral Co., is able to be around again after a long illness.

Mr. Fancourt, of the S. S. Pennock-Meehan Co., was a business caller last week.

Geo. Marshall, of the Pittsburg Cut Flower Co., is reported on the sick list.

North side florists report last week's business as the poorest this summer.

Mrs. Jacob Elicker, Homestead, Pa., has been laid up with hay fever.

Fred G. Lewis, Lockport, N. Y., was a business caller Friday.

J.

Boston.

The first telegram your new correspondent received read at this end—"Go ahead with the Boston work." We are sure no one at headquarters has any such opinion of the Boston flower interests. This is aviation week here. September came in with a fine rain. This is a splendid aster year. Almost no disease. Loads of the finest branching white and other colors await the buyer.

NOTES.

September 3 was the date of the seventh annual stall sale of the Co-Operative Flower Market, 2 Park street. Elijah Cartwright is president and John McFarland secretary. There was a large attendance. Wm. Tailby acted as auctioneer. There were 126 stalls to be sold. The annual rental is \$25 and the lowest bid allowed was \$20. Wm. Elliott, of Boston, got the first choice for \$125, which was the highest premium offered at the sale. About ninety stalls were sold. A point that raised loud protest was that the by-laws allowed anyone who had paid a premium of over \$50 to retain his old stall. A number took advantage of this privilege. A regular caterer was on hand to serve coffee and sandwiches to the crowd.

Welch's were handling some fine 36-40-inch American Beauties, \$4; \$25 per

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Sept. 7.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@4 00	
" " Bride, Bridesmaid	1 00@4 00	
" " Extra	5 00@6 00	
" Killarney and Richmond	1 00@6 00	
" My Maryland	1 00@8 00	
" Carnot	2 00@8 00	
Carnations, select	1 00@2 00	
" fancy	1 50@2 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@4 00	
Smilax	12 00@16 00	

ST. LOUIS, Sept. 7.		Per 100
Roses, Beauty long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	2 00@5 00	
" " Killarney	3 00@4 00	
" " My Maryland	3 00@4 00	
" " Richmond	4 00	
Carnations	1 00@1 50	
" fancy	1 50	
Asters	1 00@4 00	
Easter Lilies	8 00@10 00	
Adiantum	1 00	
Asparagus Sprengerii	2 00@3 00	
Smilax	12 50@15 00	

CINCINNATI, Sept. 7.		Per 100
Roses, Beauty	1 00@3 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Golden Gate	2 00@6 00	
" " Killarney	2 00@6 00	
" " Richmond	2 00@6 00	
Carnations	1 00@2 00	
Asters	1 00@3 00	
Callas	10 00	
Daisies	50	
Lilium Album and Rubrum	per doz. 50	
Lilium Auratum	per doz. 1 50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengerii	per bch. 25	
Smilax	12 50@15 00	
Gladioli	3 00@4 00	

MILWAUKEE, Sept. 7.		Per 100
Roses, Beauty	per doz. 50@3 00	
" " Bride, Bridesmaid	3 00@6 00	
" " Killarney	3 00@8 00	
" " Richmond	3 00@6 00	
Carnations	2 00@3 00	
Asters	1 00@2 00	
Gladioli	3 00@5 00	
Lilium Giganteum	per doz. 1 50	
Lily of the Valley	3 00@4 00	
Magnolia	35	
Snapdragon	2 00@4 00	
Adiantum	1 50	
Asparagus	per string. 50@60	
" Plumosus	per bunch. 35@50	
" Sprengerii	35	
Ferns, Fancy	per 1000. 1 50	
Galax	per 1000. 1 50	
Smilax	per doz. 1 50	

100. Shakespeare is their seller in gladiolus. Joe Margolis at H. M. Robinson & Co. is just back from Europe. Chas. Robinson will go south next week for southern smilax.

At Harvard Botanical Gardens the entire front range of conservatories, including the palm house, are being torn down and will be rebuilt.

The Railway Gardeners of the United States hold their convention at the Crawford House, Boston, September 5.

The death of Mrs. C. E. Reynolds, mother of Frank J. Reynolds, Somerville florist, occurred the past week.

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

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Phone Main 584.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

N. Fishelson, Copley florist, is dressing up with an immaculate coat of white enamel.

L. Smith of Tewkesbury has won honorable mention this week for his asters.

Among the wholesale florists,—"Best summer we ever had" at McCarthy & Co.

W. T. HUTCHINS.

Just as Good.

"Going to make a garden this spring?"

"No; my wife persuaded me to put the money into her hat."—Kansas City Journal.

Also Experienced.

Weary Willie: "Do you need any garden work done, mum?"

Mrs. Suburb: "Have you had any experience in that line?"

Weary Willie: "Sure, mum! I peddled violets two years on Broadway."—Chicago Journal.

New York.

PROSPECTS IMPROVING.

Business for the past week has been just what is to be expected in this the dullest month of the year. Plenty of fairly good outdoor stock is arriving, but there is little demand for it. Some fine dahlias are now coming in, but there is very little call for them. Orchids are now quite scarce and the purchasers of them equally so. Both wholesalers and retailers are winding up their vacations now and the finishing touches are being added to store improvements, the odor of fresh paint being noticeable everywhere.

NOTES.

A rather ludicrous opening announcement was pasted on the show window of a store about to open. It read as follows: "Notice a first class florist will open here on Sept 15" (underneath this in heavily outlined letters) "Strictly high class" in type which was an indiscriminate jumble of small and capital letters together.

F. G. Miller, 2703 Broadway, opens for the season September 6. Mr. Miller has just returned from a visit to his old home in Chicago and says there is no place like the Windy City, notwithstanding the fact that while there last week he had his pockets picked twice in four days. What does he mean?

H. F. Darrow speaks very favorably of the azalea novelties seen in his visit to Europe, especially of the three new varieties which were exhibited at the February meeting of the Boston Gardeners' and Florists' Club by Haerens Bros., of Somergem, Belgium.

Geo. Hildenbrand, former manager for John Young, who started in business for himself January 1 in the retail line at 3423 Broadway, is doing a fine business for this time of year and reports some large funeral orders of late.

R. Savage, 2331 Broadway, reports a very good summer business this year and that the present indications are that he will break all previous records for the coming season.

John R. Hartmann's Rosary, 2654 Broadway, had a big funeral order last week for President Harrison's, of the Iron Steamboat Co., funeral.

Robert E. Berry, formerly with the park department, has been engaged by the Elizabeth Nursery Co. in an executive capacity.

Karadonts Bros. will open a store at 2176 Broadway in the new Wellsmore apartment hotel about September 10.

Peter L. Bogart, 970 6th avenue, reports the largest funeral order of this summer last week at West End, N. J.

Chas. Haberman is visiting his birthplace. Wm. Ford does not expect to open his new store much before October 1, place at Frankfurt-on-Main, Germany, and will return about October 1.

August Millang is spending a week on the Long Island coast.

Alex. J. Guttman is going out of the wholesale business.

Baltimore.

DISAGREEABLE WEATHER CONDITIONS.

Hot and sticky is the description here of the weather, so usual to early September, the mercury running up to 90° and the humidity being at the saturation point. There have been some showers, just enough to preserve the reputation of the weather bureau from absolute disregard of truth but not sufficient to do any good to humanity or the growing crop. It is most curious how rain has fallen in spots, a few localities getting all the downpour, whilst others within a mile or two do not get any. One day last week the gauge in the city showed in less than two hours a precipitation of 1.57 inches; at your correspondent's

location in the suburbs it was not over .10 of an inch. The record rainfall of August in the city was for August 1.33 inch, which is just one-third of the normal for that month; but in the greater part of the contiguous territory it was hardly enough to show on the gauges. Springs and water courses are lower than within the memory of living men; the reservoirs of the city supply are becoming exhausted, and if the gates are not opened soon the drought will be a calamity to the city.

Business, naturally, keeps dull, there being little demand for other work than funerals. The city population is just beginning to return to their homes, and it is hoped the customary revival will soon be felt. Stock generally is not of first-class quality, outdoor flowers showing the effects of the dry soil and parching winds.

NOTES.

The four potato races for men, women, girls and boys were all animated, the winners, who received trophies, were Ward Perry and Robert L. Graham first and second in the first race; Mesdames Bauer and Boone in the second; Misses Kress and Graham in

Steamship Sailings.

From New York except as noted.

Sept. 13.

Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wil. der Grasse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Saxonia, Cunard, 4 p. m., Cunard Wharf.

Sept. 14.

Campania, Cunard, 9 a. m., Piers 54 and 56, North River.
Majestic, White Star, 3 p. m., Piers 60 and 61, North River.
FROM BALTIMORE, Main, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

Sept. 15.

La Savoie, French, 10 a. m., Pier 42, North River.
Barbarossa, N. G. Lloyd, 10 a. m., Hoboken Pier.
FROM QUEBEC, Lake Manitoba, Can.-Pacific, 3:30 p. m.

Sept. 16.

FROM MONTREAL, Victorian, Allan, 9 a. m.
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.

Sept. 17.

Columbia, Anchor, 12 noon, Pier 64, North River.
St. Paul, American, 10 a. m., Pier 62, North River.
Carmania, Cunard, 10 a. m., Piers 54 and 56, North River.
Niagara, French, Pier 84, North River.
La Gasconne, French, Pier 42, North River.
Kroonland, Red Star, 10 a. m., Pier 59, North River.
Cedric, White Star, 9 a. m., Piers 60 and 61, North River.
Geo. Washington, N. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM MONTREAL, Hesperian, Allan.
FROM PHILADELPHIA, Friesland, American, 10 a. m., Pier 54.
FROM MONTREAL, Megantic, White Star-Dom., Daylight.

the third, and Willie Bauer and Dock Wagner in the fourth. The 75-yard dash for men was won by Ward Perry. In the 75-yard dash for girls, Miss Glass got the prize. In the 75-yard dash for boys, Dock Wagner was victorious. In the 75-yard dash for ladies, Mrs. Boone was triumphant.

The Gardeners' Club had its customary annual outing on the 1st day of September, at Bay Shore, a very convenient and agreeable resort on the Chesapeake, about two hundred persons, members, their wives, sweethearts, etc., participating.

In bowling there were many events, and the victors are too numerous to mention in this space, the ladies as well as the men getting numerous prizes in the events set apart for them. There was quite a rain shower in the afternoon which interfered somewhat with the program of proceedings—putting an end to the ball game.

There was bathing, fishing, crabbing and other aquatic sports, and the day was one of pleasure and recreation to all present.

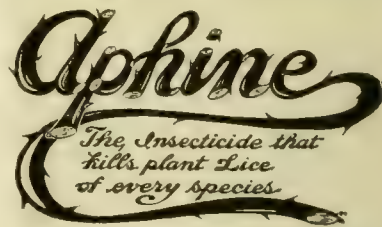
Putting balls in basket.—1st, Mrs. W. G. Lehr; same for men, Wm. Ekas. Guessing number of flowers in sealed box, Wm. Kumlenn. S. B.

Albany, N. Y.

Considerable progress upon the preparations for the second annual flower show on November 10, 11 and 12 in the state armory is being made by the Albany Florists' Club and the special committee appointed to act in the matter. At the September meeting of the club a report was read from the committee showing the progress made thus far. The premium list is practically completed and shows twelve cups donated for prizes. Two of the number are from out of town: Stumpp & Walter Co., New York, and Henry F. Michell Co., Philadelphia. It is proposed to encourage a number of exhibitors to come to Albany and some of the best prizes will be awarded in classes likely to attract their interest. The club will put up a cup for the best decorated florist's booth—a prize offered for the first time. The premium list will be placed in the hands of the printer as soon as possible. The name of Alfred E. Whittle was substituted upon the judges' committee for that of A. D. Wemple, resigned. Fred Glockner, A. Simon, Louis Schafer, and Eli Burke were added to the decorating committee and Thomas F. Tracey upon the program committee.

President Goldring at the club meeting appointed Frank M. Briare, Fred A. Danker, and E. P. Tracey a committee to draw up suitable resolutions upon the death of William C. Roche, one of the members who was drowned in Kinderhook lake during his vacation.

An interesting discussion on the wilting of rooted poinsettias was begun by Charles Sanders, who brought a sample of a plant affected. No solution was offered beyond an article in a recent number of an English periodical which Mr. Sanders promised to look up. Some of the members believed that the wilting was due to a fungus attacking the roots. In a discussion upon asters which followed Walter Mott, a new member, gave the results of his recent visit to the fields of H. B. Williams, Baldwinsville, who raises seed for the



Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon; \$1.00 per Quart. Get it from Your Seedsmen, or Write.

Aphine Manufacturing Co.
MADISON, N. J.

Pacific Coast Distributing Agents:
MACRORIE-MCLAREN COMPANY,
Crocker Building, San Francisco, California.

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,
To out-of-town Florists
We are in the Heart of **New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK



Give us a Trial We can Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

trade on a large scale. Mr. Mott said that the asters he saw there were perhaps the finest in his experience of over 30 years. He related some interesting facts about the raising of asters at Baldwinsville, among others that one and one-half acres of asters yield 100 pounds of seed.

NOTES.

Byron C. Holmes, Western avenue, is building two houses for chrysanthemums, 25 feet by 116 feet, and 18 feet by 116 feet, to be completed October 1.

R., D.

Montreal.

Trade is good and is promising better for next week. The Eucharistic congress, which will be held here during next week is sure to make a big demand on flowers of all kinds. Already the newspapers talk of that the whole route of the procession will be strewn with flowers. The Catholic churches will all be elaborately decorated. Already contracts have been signed for decorations as high as \$500 with some of the florists. Flowers will be scarce. Flowering plants are already in big demand for decorating private conservatories and for adornment of window sills.

We are in the midst of exhibitions just now. Lachine was the first one on the list. The show, held in the town hall, was the best one yet. Aid. Chas. Smith, the secretary-treasurer of the Horticultural Society, had a large entry in all classes. The principal prize winners were Thos. Pewtress, gardener to H. A. Allen, Pointe Claire; C. A. Smith, J. F. Church, R. Massie, J. Bartlett and F. S. Watson. St. Lam-

Wholesale Flower Markets

NEW YORK, Sept. 7.	
Roses, Beauty, special.....	8 00@20 00
" " extra and fancy.....	3 00@ 8 00
" " No. 1 and No. 2.....	50@ 2 00
" Bride, Bridesmaid, special.	3 00@ 4 00
" " extra and fancy.....	50@ 2 00
" Killarney, special.....	3 00@ 4 00
" " extra and fancy.....	1 00@ 2 00
" " No. 1 and No. 2.....	50@ 1 00
" Kaiserin, special.....	4 00@ 5 00
" " extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2.....	50@ 1 00
Asters.....	25@ 3 00
Chrysanthemums... per doz..	1 00@ 1 50
Cattleyas.....	45 00@75 00
Dahlia.....	per doz.. 75
Gladiolus.....	50@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 00@ 3 00

BUFFALO, Sept. 7.	
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@ 4 00
" Bride Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Pres. Carnot.....	4 00@ 7 00
Carnations.....	1 00@ 1 50
Asters.....	40@ 2 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....per bunch, 3c@5c	
Water Lilies.....	3 00@ 5 00
Adiantum Croweanum.....	1 25@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengeri.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

bert's exhibition also proved to be a good success; the entries in the garden competition were larger than before, which shows a lively interest. The Montreal Horticultural Society will hold its show next week; the gardens have all been judged and the trophies awarded but it's the show where most interest is taken in, especially by the private gardeners.

A number of visitors from the United States have been in Montreal after the convention. Geo. Asmus, president-elect of the Society of American Florists, remained a few days in Montreal. Mr. and Mrs. Peterson of Cincinnati passed through. Mr. E. Fancourt of S. S. Pennock-Meehan Co. of Philadelphia called on the trade.

NOTES.

Leo McKenna, who was a couple of weeks in the hospital, down with blood poison, is out and on the road to recovery.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited
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—FLOWERS SHIPPED BY—

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

Jas. McKenna, G. A. Robinson, A. Ferguson and T. Gorman are back, full of stories about the American convention. LUCK.

NEWARK, N. J.—The Wayne County Floral Society held its second annual carnival Sept. 2 and 3.

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

NOW READY FOR SHIPMENT.

Southern Wild SmilaxCan fill all orders, large or small, promptly,
on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

Southern Wild Smilax

Now ready for shipment.

**Perpetuated and
Natural Sheet MOSSES**

Satisfaction guaranteed.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

CREDIT LISTWith Quarterly Supplements. The list now con-
tains between 7,000 and 8,000 names. Membership
fee, \$10.00 including privilege of obtaining unlim-
ited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St.
NEW YORK**Hail at Cedar Rapids, Ia.**

The most severe hailstorm ever known in that section visited Cedar Rapids, Ia., August 20, the hailstones measuring from 1½ to 2½ inches in diameter, and being of irregular form, inflicted serious damage.

The accompanying illustration of part of the greenhouse plant of I. N. Kramer & Son, Cedar Rapids, Ia., plainly show the loss suffered at this establishment. The north side of the houses, which is the point of view in the illustration, received the most damage but a large number of lights were broken on the south side, as can be seen in the smaller house. The glass was broken into small splinters, looking as though it had passed through a mill, and all the lights that were left in the houses were cracked or broken. The loss to this firm was one hundred and sixty-five boxes of glass.

The stock of all kinds was badly injured. Palms, rubbers, rows and carnations suffered severely. The outdoor stock was literally cut to pieces. Dahlia stalks one or more inches in diameter broken off and the vegetables ruined.

The damage to farm crops was large and many of the buildings including churches and schoolhouses bore the marks of the storm.

Cleveland.**STOCK PLENTIFUL.**

The week has been productive of some very heavy rains, which should improve the outside stock which has suffered from the dry weather. Asters are much more plentiful and are of better quality. Virginia Heather is proving a good seller in small quantities, and dahlias, though short stemmed are in good demand. During the summer months the only demand

**FANCY.**
\$1.00 per 1000**Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, **Hardy Cut Evergreens** and **Florists' Supplies.**Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS,** \$1.25
per 1000New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets.....\$2.00 per barrelFlorists in the Middle and Western States can save money
by placing their orders with us A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.**Laurel Wreathing and Sheet Moss****Galax, Leucothoe and Ferns**Shipped to all parts. We are strictly wholesale. 15 years' experience in florist
business in Chicago. Write for prices to**SWAN & CHEGGIN,****Roan Mountain, Tenn.**

has been for funeral work, but the theaters are now all open and an occasional order from this source is now received. With the opening of the schools this week, and the return of those who spent their summer away, the promise of fall business is brighter.

George W. Smith of the Cleveland Florists' Exchange, will remember Labor Day, 1910. The arrival of an eleven pound baby boy early in the morning, the third in the family, was the cause of a smiling countenance. Mother and baby are both doing nicely.

Charles A. Bramley has purchased an automobile and daily can be seen riding around town.

John Duncan has returned and is feeling much better. C. B.

Sphagnum MossDry: in burlap bales: size of bale, 16 by 16
inches, by 4 feet long; average weight,
about 30 pounds. Price (cash with order):
Per bale, 75c; 10 bales, \$6.50.**CHAS. F. UECKE, New London, Wis**ADAMS, MASS.—F. Prindle is making
extensive additions to his property.MERIDEN, CONN.—Blatchley Co. have
remodeled their store and greenhouses.HELENA, MONT.—The Flower Show
association held a successful two-day
show the last week of August.**HAIL AT CEDAR RAPIDS, IA.**



TYPE OF OUR CYCLAMEN.

VAUGHAN'S Giant-Flowered Cyclamen

Pure White (Mont Blanc)	Per 100 seeds, \$0.75
Dark Crimson	Per 1000 seeds, 5.00
Rosa von Marienthal, "Daybreak" pink	250 seeds of a color
Dark Rose	at the 1000 rate.
White, with Crimson Eye	

Giant-Flowered Cyclamen, extra choice mixed:

Per 100 seeds	\$ 0.50
250 seeds	1.15
1000 seeds	4.50
5000 seeds	20.00

This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). This is, to our knowledge, the best strain in this color which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1000 Seeds, \$10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine with flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye and Lilac Colored. Each, per 100 seeds, \$1.00; per 1000 seeds, \$9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture.

25 seeds	\$0.25
100 seeds .....	.85
1000 seeds	8.00

English Grown Giant Cyclamen.

Price, 100 Seeds, \$1.00; 1000 Seeds, \$9.00.

Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark Rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted, with claret base.
Grandiflora alba. The largest giant white grown.
Excelsior. Giganteum variety. White, with red base. Extra large flowers.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

"BUSINESS NECESSITY"

Edition of 1910, Postpaid, \$3.00.



THIS is the only term which describes the American Florist Company's Directory, just out. This book, 570 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurserymen and Seedsmen, arranged both by states and towns and alphabetically; and lists of experiment Station Horticulturists, Landscape Architects, Horticultural Supply Concerns and Leading Foreign Firms. It will save many times its cost by enabling you to cover America with your catalogue 'and at the same time waste no printed matter or postage on dead names.

AMERICAN FLORIST COMPANY,

324 Dearborn Street CHICAGO.

A Ready Reference Manual.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold
FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.
Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.
We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave



WASHINGTON
D. C.

Gude's

Washington,
D. C.

14th and N Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,

Will carefully execute orders for
Kansas City and any town in
Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.
Phones: Bell, Lindell 2153; Kinloch, Delmar 768.
Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either
Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981
Mention the American Florist when writing

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. **TELEPHONES**
1501 and L 1583
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Denver, Colo.

The Park
...Floral Co.

J. A. VALENTINE, President.

Mention the American Florist when writing

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

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Montreal.

McKenna
FLORIST

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.
Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral
Designs, Wedding and Birthday Gifts that may
be entrusted to them.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

John G. Heintz & Son,
129 South Seventh St.

Telephone 247.
We are in position to fill promptly all mail,
telephone, telegraph and cable orders with best
quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2124

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

MICHIGAN. Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the
large cities of Europe and the British
Colonies. Cable orders forwarded by
private code. Telegraph and Cable Ad-
dress, DARDSFLOR.

Mention the American Florist when writing

Brooklyn, N. Y.

Jack Phillips

319 MAIN PHONE.

272 Fulton Street.

All orders by mail, telegraph, etc. will receive
careful attention and prompt delivery anywhere
in Greater New York, Long Island and New
Jersey.

Established 1874.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

New York.

Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and
are adjacent to the Theatrical and Steamship Dis-
tricts. References or cash with orders from
unknown parties.

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

NEW BEDFORD, MASS.—James H.
Cleary has filed a voluntary petition in
insolvency.

FINDLAY, OHIO.—Miss L. Miller
opened a flower and plant store the
latter part of last month.

KEOKUK, IA.—During a recent hail
storm the greenhouses of R. G. Schlot-
ter and Wm. C. Laisle were damaged to
the extent of several hundred dol-
lars.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any
part of the United States, Canada and
all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers
of Quality
W. J. Palmer & Son,
304 Main St.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty, 218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L.H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

S. B. DICKS of Cooper, Taber & Co., London, Eng., visited the California seed growing sections last week.

MONTREAL, QUE.—Hall & Robinson are building a new bulb shed to hold from 150,000 to 200,000 bulbs—the amount annually forced.

ONE of the European trade representatives now in this country says this is the fourth year of beet shortage and that bare lofts await the new crop.

CHICAGO.—Prices on the board of trade September 7 for grass seed were noted as follows. Timothy, \$7.50 to \$8.50 per 100 pounds. White clover from 20 cents to 25 cents.

SAN JOSE, CALIF.—Chas. P. Braslan says the harvesting of seed crops is nearing completion. Carrot and beet are not up to expectations, but all other crops are good. Mr. Braslan is visiting the bean section this week.

BOSTON, MASS.—Wm. Meggat, pioneer seed merchant of Wethersfield, Conn., now retired, visited S. Market street last week.—Jos. Breck & Sons report having heavy sale of fall seeds. Dutch bulbs are coming in.—Schlegel & Fottler Co., stated their French bulbs were in and shipped. W. T. H.

HOLLISTER, CALIF.—A. J. Pieters, of the Pieters-Wheeler Seed Co., left August 27 for Ann Arbor, Mich., where he will fill the chair of botany in the University of Michigan. Mr. Pieters has been connected with the seed growing industry for several years and is thoroughly versed in all its branches. Mr. Pieters has given up the greater part of his interest in the business.

VISITED CHICAGO: James J. Comot, representing Carter, Dunnett & Beale, London, Eng., making his twenty-eighth annual trip; Geo. H. Dicks, representing Cooper, Taber & Co., London, Eng.; W. Brotherton, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.; C. R. Root of the Barteldes Seed Co., Denver, Colo.; J. S. Michael of the Sioux City Seed and Nursery Co., Sioux City, Ia.

PEAS in the western irrigated sections have not done well.

THERE is some anxiety as to the effect of recent rains on Michigan beans.

THE small quantity of onion sets still unharvested in the Chicago district is probably injured somewhat by recent heavy rains.

American Seed Trade Association.

STANDING COMMITTEES FOR 1910-11.

Delegates to National Board of Trade.—Albert McCullough, Chas. H. Breck. Delegates to National Council of Horticulture.—C. E. Kendel, J. H. Ford.

Committee on Seed Legislation and Legal Affairs.—Watson S. Woodruff, Chairman, Chas. N. Page, Kirby B. White, Geo. S. Green, J. J. Buffington, Henry W. Wood, A. L. Rogers.

Committee on Postal Laws, Etc.—Leonard H. Vaughan, Chairman, Alex. Forbes, W. D. Ross, Walter P. Stokes, E. C. Dungan.

Committee on Customs and Tariff.—W. H. Greenell, Chairman, J. C. Vaughan, F. W. Bolgiano, W. Atlee Burpee, Burnet Landreth, Jr.

Committee on Experiment Stations.—Geo. B. McVay, Chairman, S. E. Briggs, F. H. Ebeling.

Committee on Transportation.—C. F. Wood, Chairman, J. L. Peppard, J. Chas. McCullough, J. B. Rice, Harry L. Holmes.

Committee to Confer with National Seed Analysts.—Chas. N. Page, Chairman, Kirby B. White, C. D. Boyles, M. H. Duryea.

Representatives on Joint Committees with Nurserymen and Florists.—C. F. Wood, Chairman, W. H. Greenell, Leonard H. Vaughan.

French Hyacinth Bulbs.

Writing from Toulon, under date of July 3, Consular Agent Francis M. Mansfield says of the present crop of hyacinths in southern France:

The first stocks of "season's" bulbs are now on the markets of Ollioules and Hyeres, and within 10 days the traffic will have reached its height. Roman hyacinths of the standard quality and dimensions at first sold for 80 francs (franc=19.3 cents) per 1,000, but the price has mounted progressively to 85, 90, 95, and even 100 francs.

At the actual moment the bulk of the crop in sight has already been bought up by the exporters and middlemen. Unestimated stocks are still in the hands of the small peasant growers, some perhaps are still in the ground, and these smaller stocks (in the ag-

gregate doubtless some millions) will hardly materialize upon the markets of Hyeres and Ollioules before another 10 days or fortnight.

With these further prospective stocks to be taken into consideration certain large dealers (shippers or exporters) have not yet laid in their supplies, counting on a fall in price. If this fall does not actually take place (due to the hidden stock being smaller than commonly supposed) prices are bound to increase in United States markets, above all for bulbs of the larger dimensions (15 centimeters and over). It has been the lack of these large sizes in past years that has made the shortage of the value of the crop and of purchases by United States buyers.

The quality of the crop of 1910 is seemingly excellent throughout the district, that from around Hyeres being perhaps superior on the whole to that which the writer has personally seen at Ollioules, i. e., grown at Ollioules or about there; the crop from all the surrounding region is largely shipped by Ollioules exporters.

The first shipment of 1910 bulbs went forward on July 1. In 1909 the new crop also had its first shipment on July 1, the last going forward on September 6. The total value of the bulb shipments of 1909 to the United States, as per invoices certified at this consular agency, was \$119,047.

[One French exporting jobber writes under date of August 1 that the price of White Roman hyacinths having declined he has sold 100,000 to America at 78 francs. We have heard of price declines from no other source.—ED. A. F.]

Imports.

During the week ending August 27, imports were received at New York as follows:

Vaughan's Seed Store, 219 cases bulbs.

P. Henderson & Co., 202 cases bulbs. J. M. Thorburn & Co., 118 cases bulbs.

H. F. Darrow, 87 pkgs. bulbs and plants, 22 cases five pkgs. seeds.

Stumpp & Walter Co., 63 cases bulbs.

W. E. Marshall & Co., 43 cases bulbs.

F. R. Pierson & Co., 38 cases bulbs.

C. C. Abel & Co., 31 cases bulbs.

Weeber & Don, 10 cases bulbs.

H. Nungesser & Co., 600 bls. clover seed.

T. W. Wood & Sons, 400 bls. seed.

To others, 695 cases, 263 baskets bulbs, 803 bags, 300 bls., 95 cases seed, 500 bls. clover seed, 235 bags grass seed, 100 bags poppy seed, 11 cases plants.

During the week ending September 3 imports were received at New York as follows:

Vaughan's Seed Store, 453 cases, 21 pkgs. bulbs.

W. Hagemann & Co., 215 cases bulbs.

C. C. Abel & Co., 90 cases bulbs.

Schulz & Ruckgaber, 71 cases bulbs.

Stumpp & Walter, 62 cases bulbs.

Weeber & Don, 60 cases bulbs.

F. R. Pierson & Co., 59 cases bulbs.

A. T. Boddington, 57 cases bulbs.

H. F. Darrow, 50 cases bulbs.

P. Henderson & Co., 48 cases bulbs, five cases seed.

W. E. Marshall & Co., 48 cases bulbs.

Wakem & McLaughlin, 46 cases bulbs.

R. M. Ward & Co., 37 cases bulbs.

W. H. Siebrecht, 36 cases bulbs.

H. E. Fiske Seed Co., 31 cases bulbs.

H. H. Berger & Co., 30 cases bulbs.

J. Fee, 31 cases bulbs.

W. S. Pino, 30 cases bulbs.

T. J. Grey & Co., 26 cases bulbs.

Mann Bros., 24 cases bulbs.

R. & J. Farquhar Co., 23 pkgs. bulbs.

C. O'Brien, 11 cases bulbs.

Henry & Lee, 10 cases bulbs.

C. F. Meyer, nine cases bulbs.

Wm. Elliott & Son, seven cases bulbs.

S. Pearce, six cases bulbs.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.





Giant Pansy PLANTS and SEED The KENILWORTH Strain

1910 seed—light, medium or dark mixtures, 2000 seeds 50c; 5000 \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00.

Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield, Mme. Perret, white darkeye, purple masterpiece red, bronze and light blue shades. Trade packets 25c; any five for \$1.00. Plants, 100, 50c; 1000, \$3.00.

Chas. Frost
Kenilworth,
N. J.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan MILFORD, CONN. and Wisconsin.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm, **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Telegraph Code

Am. Seed Trade Association

—\$2.00—

In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

W. Horlacher, five cases bulbs.
J. Dunn, Jr., three cases bulbs.
Herbst Bros., 250 bags sunflower seed.

J. M. Thorburn & Co., 20 bags grass seed.

J. Roehrs & Co., one case plants.
To others, 2,358 cases, 1,665 pkgs. bulbs; 1,125 bags seed; 399 bags grass seed; 200 bbls. clover seed; 160 bags clover seed; 10 bags poppy seed.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

Lilium Formosum, 7-9.....	Per 1000 \$65.00	Lilium Jamesi, 6-7.....	Per 1000 \$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,
1215 Betz Bldg., PHILADELPHIA, PA.

Fall Bulb Catalogue

If you have not received
a copy send for it.

James Vick's Sons Rochester, New York

Mention the American Florist when writing

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
a copy, please send for one. New crop of
seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

HELENA, MONT.—The Flower Show held at Helena August 26 registered the largest attendance of any public offering ever held in this city. The crowd was so large that many failed to see the exhibits. The flowers shown were nearly all the product of the gardens of Helena but the State Nursery made an extensive exhibit which greatly added to the attraction. It is wished that the show may be made an annual event.

High-class Seeds, Bulbs, Plants, Shrubs and
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum Multiflorum, 7-9.....	Per 1000 \$50.00
" " Giganteum, 7-9.....	65.00
" " Formosum, 7-9.....	65.00
F. O. B. New York.	

Mention the American Florist when writing

RELIABLE SEEDS.

	Oz.	Tr.
Bellis, double Daisies, Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed ..	2.00	25c
Myosotis, alpestris, Victoria compact		
blue ..	2.50	35c
Pansies, Special florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c
For other varieties ask for my catalogue.		

O. V. ZANGEN, Seedsman, Hoboken, N. J.

BULBS For good flowers buy good bulbs. Note the Prices.

	Per 1000
Paper White Grandiflora, fine stock.....	\$ 8.00
Empress, Double Von Sion or Princeps ..	10.00
Emperor ..	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque ..	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full list of

FLOWER and GARDEN SEEDS

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

AUBURN, R. I.—J. V. Mason has been experimenting with strawberries for some years to get a fall crop. He picked a number of boxes of good size berries of fine shape and flavor recently. Mr. Mason intends to continue the cultivation of strawberries for fall or late summer and expects by another season to pick a large crop. G. A. J.

Lettuce Notes.

Lettuce growers generally start their first plants about September 1, some a few weeks earlier. This year there is good reason for an early start as the extreme dry weather in most sections of the country will insure an earlier market as outside competition will be small. There is nothing of greater importance than good plants at the right time. Most growers avoid outdoor grown plants, some refuse them entirely. Yet there is no reason why good plants can not be produced outdoors in early fall. The reason why they are generally unsatisfactory is lack of water and hardening by frosts. We sow in August and September into cold frames, which we cover with cheese cloth. The plants come up very readily and do well under this cloth until hard freezes come on. The cloth protects them from extremes of heat, from some pests and prevents drying out. Most operators sow too thickly, which is a great mistake. Thin plants never produce a heavy crop. We never cover the seed, but often mark with a marker spaced two inches and sow broadcast over these shallowed marks, which gives them ample hold if kept well sprinkled until up. MARKETMAN.

Providence Notes.

E. G. Brook and wife have returned from their visit to Vineyard Haven, Mass., where they have been staying during the month of August. Mr. Brook is managing proprietor of the firm of T. J. Johnston & Co., and reports business very good.

Frank Schellinger had an unusually fine lot of fancy melons in one of his largest greenhouses at Riverside the past summer.

Alex. Macrea has just patented a mixer for spraying and other solutions to be used in greenhouse and nursery business.

Theo. R. Peterson, proprietor of the Hogg Greenhouses, has made extensive repairs and improvements on his range.

The Newport County Agricultural fair will begin September 20 at Portsmouth and continue for four days.

The twelfth annual ball will be held by the Newport Horticultural Society September 20.

F. Macrea & Sons are cutting a good supply of Easter lilies on which they specialize.

William Hay has completed another large house for roses at his place at Oaklawn.

William Gray is now gardener for Mrs. W. B. Leeds at Rough Point, Newport.

J. H. Cushing has gone on an extended trip through the southern states.

Timothy O'Connor and wife have just returned from an extended automobile trip.

Matthew Macnair reports business very good for the past month.

Fred Hoffman has returned to his residence at Pawtucket. J. BRINTON.

Omaha.

GOOD SUMMER BUSINESS.

August, usually the duller month of the year, has this year been the best we have ever experienced, all the florists report an increase in business of from 20 to 40 per cent. On account of the hot weather and dry season stock has been very scarce, and suffered badly. *Giadiolus* were good, but *asters* were a failure and all used in this section, as well as all good roses, were procured in Chicago. Stock now is of better quality and becoming more plentiful, some nice carnations now being received. *Hydrangeas* have sold well and at good prices, and the growers should grow these plants more extensively.

NOTES.

The Florists' Club held their annual picnic at Courtland Beach, August 25. Entertainments of various kinds were here found to amuse the members and their families. We counted eighty-four happy faces when seated at the Pavilion Restaurant, and, after the dinner, the Omaha Rod and Gun Club had their Venetian night at the Lake, and it was certainly a treat for all. In the bowling contests, H. Meyer of Council Bluffs, Ia., and Chas. Green of Fremont, Neb., were awarded the first prize.

Ex-President Roosevelt spent a day and a night in Omaha, and his visit to the city caused quite a business flurry to the florists. His headquarters were at the Omaha Club, which had been elaborately decorated by Hess & Swoboda.

J. J. Hess and family returned from a three weeks' trip, visiting the lakes of Minnesota and Wisconsin. They spent two days in Chicago on their way back.

Decorator Wulff, with Hess & Swoboda, will go east to establish a business in his own name. G.

Aggressive Plants.

It seems to me that we too often err on the side of making phenomena more simple than they really are. Plants are vastly more complex organisms than our formulated ideas recognize. Many of their phenomena completely baffle us. For example, I might mention what has been called aggressiveness in a plant, namely, its ability not only to occupy and maintain the soil but to spread and crowd out other plants. This is particularly evident in plants introduced from one country into another. Thus nearly all our weeds are of old world origin. The same is true of our permanent meadow and pasture plants, where ability to occupy and hold the ground against weeds is essential. In this respect our American grasses and clovers utterly fail before the foreign immigrant. Some other striking instances of the great aggressiveness of an immigrant may be cited. The introduced English violet is said to be one of the worst weeds in Mauritius; American cacti are becoming a pest in South Africa; the marvelous vigor and spread of the American water weed (*Elodea*) under European conditions is well known. Several explanations of these and other phenomena have been advanced.

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.....	\$0 20	\$1 00
10,000 and over.....	85c per 1000	
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market.....	20	1 00
10,000 and over.....	85c per 1000	

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Mention the American Florist when writing

The commonest one is that the plant is introduced but its fungous and insect enemies are not. Therefore the plant is released from all handicaps as it were and can exercise to the utmost its inherent energy. A second and related explanation is that every plant becomes held within limits by the competition of other plants in its native land and very often in the new environment the native plants do not have an equal restraining influence—because they have had to contend with a different set of competitors. A third idea is that organism with the ability to spread at all becomes more energetic through the constant mixing of blood of the advancing population. All these ideas are interesting, but difficult if not impossible of experimental proof. The last suggestion receives some support from the fact that many weeds and other organisms run out after they have ceased to spread. The recent examples of the Russian thistle and the prickly lettuce are familiar cases. Such phenomena may be due wholly or in part to increase in enemies, but in many cases like the two cited there is not one iota of positive evidence. I think we ought to give such phenomena more consideration as they reveal traits in plants that transcend all our stereotyped and inadequate theories. The old gardener often treats his plants as if he regarded them as sentient beings. Perhaps we err in considering them too much machines.—C. V. Piper in Science.

LIMA, O.—E. A. Siraw, who has charge of the flower beds and parking of the public square, has proposed a plan for the rearrangement of the beds which will greatly facilitate public traffic, which has become quite congested at this point. The plan has been endorsed by the merchants, the board of control, and members of the Progressive association. The details are being rapidly completed, and then the matter will be presented to the city council.

VOLUME
1
NUMBER
10

Boddington's Store News

SATURDAY, SEPTEMBER 10, 1910.

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS.

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST AND SEPTEMBER.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., 1/4 lb. 4 cts., 1/2 lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., 1/4 lb. 50 cts., 1/2 lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Florence Denzer. Pure white. Oz. 15 cts., 1/4 lb. 50 cts., 1/2 lb. 85 cts., lb. \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., 1/4 lb. 50 cts., 1/2 lb. 85 cts., lb. \$1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., 1/4 lb. 50 cts., 1/2 lb. 85 cts., lb. \$1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. P. J. Dolansky. Daybreak pink. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., 1/4 lb. \$1.50, 1/2 lb. \$2.75, lb. \$5.00.

Wallace. Very fine lavender, a grand florists' variety. Oz. 50 cts., 1/4 lb. \$1.50, 1/2 lb. \$2.75, lb. \$5.00.

Watchung. Pure white. Oz. 20 cts., 1/4 lb. 60 cts., 1/2 lb. \$1.00, lb. \$1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., 1/4 lb. 75 cts., 1/2 lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Providence.

The past week found the business unusually brisk, caused by funerals. There were also several social functions. There was a large business done in the letting of decorative plants and laurel roping. There was plenty of all kinds of good stock available in all lines, except carnations. The demand for all sorts of roses, including American Beauties, was exceptionally heavy. Asters are arriving heavily and the percentage of good blooms is great deal larger. The lower grades of blooms were bought up very fast for design work, but the higher grade of blooms sell well at very satisfactory prices which range from 30c to \$3 per 100.

Gladioli are scarcer than for some time past and are bringing better prices. Lilies are scarce and not near enough to supply the demand. Tuberoses are to be had but not plentiful. Cosmos in different colors is coming in more abundant and sells well. Orchids and gardenias are very scarce owing to the great demand at Newport. Lily of the valley is abundant. Garden or field grown cut flowers, such as hardy hydrangeas, dahlias, asters, phlox, tritomas, and golden glow were much in demand the past week. Green stock is not scarce in any line, asparagus plumosa and sprengeri have improved very much during the summer and the demand is heavy. Blooming plants in pots are very scarce. The new crop of nephrolepis fern of the different varieties in pots and pan is beginning to arrive in the stores. The month of August was very satisfactory, both to the wholesaler and retailer. The weather was perfect during the days with cool nights.

Geraniums, Rooted Cuttings

Ricard and S. A. Nutt until Oct. 20. at \$10.00 per 1000. better book your order soon. Poitevine all sold until above date.

Perennial Phlox,

A superb Salmon Pink, strong divisions at \$2.00 per 100 or \$15.00 per 1000. (These prices are cash with order.)

ALBERT M. HERR.

NOTES.

The Newport Horticultural Society will hold its autumn exhibition of palms, decoration plants, cutflowers, dahlias, fruits, etc., September 17 to 19 inclusive. Daniel J. Coughlin, recording secretary, Bellview avenue, Newport, R. I.

Prizes awarded at Pocasset Mills for the best kept lawns, gardens and yards at Thornton, R. I., amounted to \$250, which went to tenants who pride themselves in having attractive flower beds and trim lawns.

The funeral of Hunter C. White, high sheriff of this state, was held August 28 and was the cause of a great business among the florists.

John J. Dunn, who by virtue of being secretary of the State Board of Agriculture, is made an ex-officio member of the State conservation commission, took the oath of office on September 1.

J. BRINTON.

Salt Lake City.

BUSINESS IMPROVING.

The long dull season is about to an end. Business has begun to take on some activity although good flowers

Coleus Rooted Cuttings

Verschaffelti Golden Bedder and Fancv assorted among the latter are a good proportion of D. K. Herr's unrivaled Giant Leaved at \$5.00 per 1000 until Oct. 1. (Fine lot ready now.)

Iris, "German"

Mixed colors at \$2.50 per 100, \$20.00 per 1000.

Lancaster, Pa.

are scarce. Asters and gladioli are coming in fairly good. The retail stores are kept busy part of the time with funeral work, of which there is just enough to about make ends meet and to keep in practice. But the future outlook was never better.

Carnations are nearly all planted up and the growers are in good shape to meet Jack Frost and from all indications he will soon be a caller as the nights are getting cool and we may at any time expect to see some of our profits curling from the top of the smokestack.

NOTES.

The Salt Palace was entirely destroyed by fire on the morning of August 28, wiping out one of our points of interest to the tourist. The Salt Palace was built several years ago and was of dome shape. All columns and outside parts were covered with rock and crystal salt. The interior was used as a theater.

W. W. King will be located in his new store in a short time. The store is being constructed especially for a floral store by L. M. Law.

UINTA.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

NEW YORK.—H. F. Darrow, who has just returned from Europe reports that owing to the disastrous floods in France, pear, manetti and mahalet stocks will be very light this season.

MILWAUKEE, WIS.—C. B. Whitnall, treasurer of this city, in a recent address at Oconomowoc before the State Horticultural society stated "that the fundamental basis for a higher and better living is in individual garden experience. We all love flowers and fruits and we can not live without them. The garden is the only leverage that can lift city dwellers into normal activity."

SPOKANE, WASH.—Five experts have been appointed by the board of trustees of the National Apple Show to pass official judgment on all exhibits and award cash prizes and premiums of a total value of \$20,000 at the third annual exposition, November 14 to 19. Prof. H. E. Van Deman of Washington, D. C., is chief judge, his assistants being J. W. Murphy of Glenwood, Iowa; C. J. Sinsel of Boise, Idaho; Professor S. A. Beach of Ames, Iowa, and J. Gibb of Kelowna, B. C. August Wolf, secretary, 225 Hutton building, Spokane, Wash.

Campaign Against Chestnut Blight.

Harrisburg, Pa., August 13.—A vigorous campaign against the chestnut blight, which is playing sad havoc with many of the chestnut trees along the main line near Philadelphia, is about to be undertaken jointly by the State Forestry Department and a committee of well-known main line citizens. The blight is of a fungus nature, and thus far nothing has been found to operate successfully against it. State Forestry Commissioner Robert S. Conklin believes that a remedy can be found, and to this end the department will co-operate in the crusade. Deputy Forestry Commissioner I. C. Williams will have personal charge of the study of the tree plague for one month, beginning August 29, with headquarters at Haverford College. He will be assisted by State Forestry Inspector George H. Wirt and 12 second-year students at the State Forestry Academy at Mont Alto.

Stocks for Roses.

When we consider the great variation of soil often found in a very small area, the necessity of using foster roots that naturally prefer a certain class of soil is evident. The question of suitable stocks is a wide one, for we can make no hard and fast rule even for a given class or section of roses; while in not a few instances it is even better to use no stock at all. So many opinions are given upon this matter, says a correspondent of the Gardeners' Magazine, that I do not expect to escape criticism, and merely give a few of my own experiences and observations.

We use the brier in three forms, seedling, dwarf cutting, and as standards of more or less height, from the hedgerow. Then there are the manetti, de la Grifferaie, polyantha, and sometimes a few of the stronger-

growing varieties. Some of the easiest to grow are Dorothy Perkins, the others of like habit from the Wichuraianas. These root very freely, and most varieties grow well upon them. Unfortunately the persistent and natural tendency to produce root suckers is very troublesome when making use of these as stocks, but with this exception I like it better than de la Grifferaie or Rosa polyantha simplex. It is certainly a good foster stock for the stronger growing teas and hybrid teas when upon a rather light soil, which does not suit the brier so well as that of a cooler and closer nature. But the suckers must be kept down, and these push from the roots like those of the blackberry and raspberry.

Stocks of these roses are very soft in the bark, and swell more evenly with the growing bud of a strong variety than in the case of briers. But it is fatal to a weak grower for the same reason, as it soon overgrows, and practically swamps it with its excessive supply of sap, much more than any but a strong grower can accommodate. Another point in its favor is its doing so much better upon a dry and naturally sandy soil than is the case with brier, and yet it does not provide the same rankness of sap—if I may use such a term—as the manetti; I also find it quite as early to push into growth. In fact, if it were not for its tendency to form suckers rather freely away from the base of the plant I should esteem it much more.

Referring to the manetti, it must be said that this stock is not nearly so much used now, not even for the hybrid perpetuals and Bourbons, two classes that, a few decades back, were seldom grown in any other form than as dwarfs. It is better than the brier in a few instances, such as very light soils, that we seldom find the brier thriving upon in a wild state. Like the stocks previously mentioned, the manetti is not very suitable for weak growers, and yet we find a few notoriously indifferent habited varieties do well upon it in the maiden stage, and perhaps most of the best flowers of Horace Vernet, Marie Verdier, Louis Van Houtte, A. K. Williams, and Monsieur Noman, among others, are obtained the first season from budded manetti. As a rule, however, these deteriorate rapidly, and seldom live more than three or four years.

There is little choice between the cutting or seedling brier stocks. The first certainly throws a better maiden plant, and frequently gives some grand first flowers, but it soon reverts to its natural habit of deep rooting. Both are the best all-round stocks we have. A much deeper shade of color is obtained, particularly among the crimsons and maroons, while the season of flowering is certainly lengthened, and I find plants upon brier longer lived and not so subject to red rust as when upon the manetti, although the same variety is growing side by side upon the two stocks. If the manetti is not so useful for teas and hybrids in the open, plants often do well when grafted, or even budded, in the open and lifted for pot culture, probably because the roots are unable to wander and get into so strong a condition.

A stock that pleases me very much where a few really good flowers are wanted, in preference to greater numbers, is the short hedge brier. When these break from 18 to 24 inches from the ground we can grow varieties with a drooping tendency better than when upon the usual dwarfs. The very fact of these flowers being so full and heavy causes them to hang down, and often be splashed in some form. Most of these roses, too, are produced upon much more slender growths than the trusses of smaller and lighter varieties. I am alluding to such as Dean Hole, Catherine Mermet, Bridesmaid,

Medea, Mrs. Edward Mawley, Maman Cochet, and its white sport. Abnormally short-habited kinds, like Lady Mary Fitzwilliam, Lady Alice, and others, are also helped by the short brier stems, and I have generally succeeded in obtaining better individual flowers of most teas when grown in this form.

Just a word about soils. We have grown roses upon stiff clay, and upon a clayey soil that pulverized almost to dust when exposed to the air. Here we find brier the best. By the way, such soil as that just described is excellent to mix with light sandy loams, and does more good than so much manure without this stay. Black, sandy, and peaty loam suited the manetti better than the brier, but the stock grew too rank for many varieties. A rich, stiff, and fairly deep loam is the most suitable. But we can make up our soils with a very little trouble, far less in fact than when growing lilies, rhododendrons, azaleas, etc., upon soils not naturally suited to them. Much depends upon manures supplied. Use a stiffer and moister natured manure upon light soils than upon those already on the close or stiff side. These notes will, I hope, help those who intend planting out stocks this season for budding upon next summer. We do not plant out our dwarf stocks until early in the spring, so that there is ample time yet, but it is undoubtedly better to have all hedgerow briers planted by November; October is our favorite month for these.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet

FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....\$15.00 per 100
Pink.....9.00 per 100
Red.....10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Calla Bulbs..

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PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....
PAINESVILLE, OHIO.

Foxgloves.

Bring orchis, bring the foxglove spire,
The little speedwell's darling blue,
Deep tulips dashed with fiery dew,
Laburnums, dropping wells of fire.
—Tennyson (In Memoriam.)

Both the English and the Latin names of this, one of the stateliest of our British wild flowers, have a similar, if not the same, meaning, for the former is undoubtedly a corruption of folk's glove, and the latter (*digitalis*) is derived from *digitus*, a finger, or, according to some, *digitale*, the finger of a glove. It has the specific name *purpurea* because of the color of the wild form usually found, but a white variety, known as *D. purpurea alba*, is occasionally found also, and it is from these doubtless that the various shades of cream, red, purple, and rose have been obtained. The yellow foxglove met with in gardens is a different species, *D. ambigua* (syn. *grandiflora*), and usually requires cultivation, instead of being treated as a wildling like the varieties of *D. purpurea*.

It is in the matter of selection of varieties that the foxglove needs some attention rather than in the rearing of the plants. Once a stock has been obtained they may be safely left to seed themselves in shrubbery and woodland, though they will repay the thinning out of the seedlings by the handsome spikes of blossom obtained from well-grown plants, sometimes half a dozen or more to the plant. Not that they are unworthy of a place in the hardy flower border, though, perhaps, it is not good economy of garden space to give them good positions when they will grow in very dry places, and do fairly well. The effect, however, of one or two large clumps of the best varieties at the back of a border amongst other tall plants, say, in front of the shrubs, if the background is a shrubbery, is so fine that the border would have to be of very high excellence indeed if we could grudge the space for them.

Beautiful though the wild variety may be in its native habitat, we can do better in our gardens and shrubberies by obtaining a good strain of the large-flowered varieties, sometimes called *D. purpurea gloxiniflora*, the throat markings on the large flowers giving them a resemblance to *gloxinias*. Afterwards, by letting only the best varieties seed themselves, a good selection can be kept, but to do this means cutting back the spikes of those we do not wish to seed before they have finished flowering, as the seed pods from the blossoms lower down the stalk are ready to burst long before the top of the spike has finished flowering. This, however, serves a double purpose, as the side shoots come so much finer than they otherwise would do. It is in fact not a bad plan to cut down all the flower spikes

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Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

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The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.
Ask for Wholesale Price Lists.

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RIEL, HOLLAND.

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A SPECIALTY.

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WEST GROVE, PA.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

when they begin to get shabby for the sake of the successional flowering shoots. If left to themselves a very few years is sufficient to insure a majority of plants resembling the wild form.—Gardeners' Magazine.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
Wholesale catalog for fall issued Sept. 1st.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraea, Valleys.

Price List Free on Demand.

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Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

WARREN, O. — E. C. Waterman is starting a greenhouse business in a small way, building one house 10x65 feet.

Grafted Pink Killarney

500 3½-inch Grafted Pink Killarney
at 10 cents each.

POEHLMANN BROS. CO.,
MORTON GROVE, ILL.

Louisville.

Business is improving and flowers are selling readily, roses are in surplus, however, gladioli and asters have sold better than usual this season; asters have been scarce here and a large part have to be purchased outside.

NOTES.

Anders Rasmussen's new greenhouses are nearing completion and the stock is looking fine. He is cutting fine Beauties, Killarneys, Marylands, Richmonds and Golden Gates. He will use 45,000 carnation plants to plant his greenhouses this season.

Mrs. Lizzie Lang is managing the business of Alice J. Miller during Miss Miller's absence. As she has a great many friends and draws a large trade with her wherever she goes, it will, no doubt, be a profitable arrangement for Miss Miller.

Nanz & Nuener who have leased a three-story building in the next block from where they are now, are having the building remodeled and will, no doubt, have one of the most up to date stores in the city.

L. Gibson, the only colored florist in the city and a veteran of the civil war, recently purchased the ground and residence that he has rented for many years. He is very liberal and accommodating.

Mrs. C. B. Thompson has purchased a farm in Oldham county, where she can spend her summers. While on her vacation she was taken ill and now is very low with malarial fever.

Frank Gottwald is the first on the market here with good carnations this year. He is cutting some extra good stock for this season and gets \$1.50 per 100 wholesale.

S. E. Thompson has opened a new store on Walnut street near the Seelbach hotel. He was formerly wholesale grower, but sold his place.

E. G. Reimers is interested with his sons in the automobile business and reports business on the boom.

H. G. W.

Des Moines, Ia.

The annual meeting of the Society of Iowa Florists was held at the state house, Des Moines, August 31. Very interesting papers upon subjects which were of importance to the members were read and discussed, and a large exhibit of the products of the florist of Iowa was staged at the state fair, August 25 to September 2. At the business meeting the following officers were elected for the ensuing year: J. S. Wilson, Des Moines, president; J. T. D. Fulmer, Des Moines, vice-president; Wesley Greene, Davenport, secretary; John T. Temple, Davenport, treasurer. G. A. Heyne, Dubuque; William Trillow, Des Moines; E. J. Olsan, Ames, and Elmer E. Nordwall, Fort Dodge, directors.

The following premiums were awarded at the exhibition:

- Best collection of plants in bloom—Iowa Seed Co., first.
- Best collection of foliage or decorative plants—Iowa Seed Co., first; J. S. Wilson Floral Co., second.
- Best collection of palms—Iowa Seed Co., first; William Trillow, second.
- Best collection of ferns—Iowa Seed Co., first; J. S. Wilson Floral Co., second; William Trillow, third.
- Best collection of coleus—Iowa Seed Co., first; Lozier's Greenhouses, second.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **\$10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 35c. 50c. 60c. 75c. \$1.00, \$1.25 to \$1.50 each.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMAN FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

- Best collection of geraniums—Iowa Seed Co., first; Lozier's Greenhouses, second.
- Best collection of flowering begonias—Iowa Seed Co., first; J. S. Wilson Floral Co., second.
- Best collection Rex begonias—Iowa Seed Co., first; William Trillow, second.
- Best collection of Cannas—Iowa Seed Co., first.
- Best specimen palm—J. S. Wilson Floral Co., first; Iowa Seed Co., second.
- Best specimen cycus—Iowa Seed Co., first; Lozier's Greenhouses, second.
- Best specimen fern—William Trillow, first; Lozier's Greenhouses, second.
- Best specimen *Araucaria*—Iowa Seed Co., first; J. S. Wilson Floral Co., second.
- Best specimen new or rare plant—Iowa Seed Co., first; William Trillow, second.
- Best vase of plants—Iowa Seed Co., first; William Trillow, second.
- Best basket of plants—Iowa Seed Co., first; William Trillow, second.

CUT FLOWERS AND DESIGNS.

- Best table decoration—Lozier Florist, first; William Trillow, second; Iowa Seed Co., third.
- Best floral design—Lozier, first; William Trillow, second; Iowa Seed Co., third.
- Best bride's bouquet—Lozier Florist, first; William Trillow, second; Lozier's Greenhouses, third.
- Best basket of flowers—Iowa Seed Co., first; Lozier Florist, second; Lozier's Greenhouses, third.
- Best vase of flowers—Lozier Florist, first; Iowa Seed Co., second; William Trillow, third.
- Best display of cut flowers—Iowa Seed Co., first; William Trillow, second; Lozier's Greenhouses, third.
- Best display of gladioli—G. D. Black, first; Iowa Seed Co., second; Lozier's Greenhouses, third.
- Best display of asters—Iowa Seed Co., first; William Trillow, second; Lozier's Greenhouses, third.
- Best 25 red roses—Iowa Seed Co., first; Lozier Florist, second; William Trillow, third.
- Best 25 pink roses—William Trillow, first; Iowa Seed Co., second; Lozier Florist, third.
- Best 25 white roses—Lozier Florist, first; Iowa Seed Co., second; William Trillow, third.
- Best 25 yellow roses—William Trillow, first; Iowa Seed Co., second; Lozier Florist, third.
- Best 50 red carnations—Iowa Seed Co., first; William Trillow, second; Lozier Florist, third.

- Robusta Compacta*, *Excelsa Glauca*, 6 in. pots, \$1.00 to \$1.25 each.
 - Kentia Forsteriana*, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c. \$1.01 \$1.25. \$1.50. \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.
 - Kentia Belmoreana*, 25 37-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each; 4-in., 25c each.
 - Kentia Belmoreana*, 2½ to 3 in., 10c each.
 - Standard Bay Trees, 1-foot tubs, 7 ft. high from bottom up, 2 x 2 crown, \$8.00 per pair.
 - Cyclamen Grandiflora*, best strain, 4 in., 15c.
 - Nephtrolepis* (Ferns), Boston, Scottii, Whitmani Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.
 - Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.
 - Begonia Gloire de Lorraine*, deep pink, 4-in., 25c.
 - Begonia Lonsdale*, pale pink, 4-in., only 25c.
 - Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves, 10c per leaf.
 - Cocos Weddelliana*, 3 in. pots, 15c, 18c and 20c.
 - Adiantum Hyb.*, 2½ in. pots, 5c; 3 in., 8c; and 4-in., 12c.
 - Primula Obconica*, best strain, 4-in., 10c; 5-in., in bloom, 15c.
 - Primula Chinenis*, 4-in. pots \$10.00 per 100.
- We have an unsurpassed strain of *Solanum Multiflorum* (Jerusalem Cherries). Can offer only a limited quantity, 3½-in. pots, strong \$5.00 per 100.
- Cash with order, please.
All plants must travel at purchaser's risk.

Ferns for Dishes

	Per 100	Per 1000
Chinese Primroses, 2½-in.	\$3.50	\$30.00
Christmas Peppers, 2½-in.	3.00	25.00
3-in.	2.50	
5 0 at 1000 rates.	Cash with order.	

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Carnations for fall delivery. Smilax, Violets

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- Best display of dahlias—William Trillow, first; Iowa Seed Co., second; G. D. Black, third.

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Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
 Whitman Ferns, 4-in. 25c each. 5-in. 35c.
 Boston Ferns, 5-in. 25c each.
 Vinca Var., 2-in. \$2.00 per 100.
 Roses, Bride Maids and Gates. Killarney, 3-in., \$5.00 per 100.
 Dracena Ind., 4-in., \$10.00 per 100.
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2½-in. Boston fine stock,	4 50		2½-in. Cocos Weddelliana,	\$2 00
4-in.	\$2 00	15 00	4-in. Araucaria Excelsa,	Each
5-in.	3 00	25 00	2-3 tiers	\$ 50
2½-in. Whitman,	5 00		6-in. Araucaria Glauca,	Each
4-in.	2 00	15 00	3-4 tiers	1 75
5-in.	3 00	25 00	6-in. Araucaria Compacta,	Each
2½-in. Amerpohli,	4 50		3-4 tiers	1 75
3-in. Asparagus Sprengeri,	2 50		Kentia Belmoreana,	Each
2-in.	1 00	6 00	6-in. pot, 5-6 leaves	\$1 25
			4-in. pot,	per 100, \$35.00
			2½-in. pot,	per 100, 10.00

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400 Richmond, 3-inch, at.....	\$12.00 per 100
2000 Pink Killarney, 3½ and 4-inch, at.....	15.00 per 100
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All plants shipped from Hinsdale, Ill.

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Nephrolepis Smithii. The Washington Lace Fern.

This is a sport from Whitman raised at the U. S. Botanic Garden by Wm. R. Smith; the formation of the frond is like Amerpohli, but dwarf and compact; it is the ideal fern for jardiniere work, possessing all the necessary qualifications. Beauty, grace, form and durability. It is a quick producer and a 1000 can be raised from a 100 between now and Christmas. Extra nice, bushy stock from 3-inch pots, 25c each; \$15.00 per 100.

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Suitable for roof gardens and in front of hotels, etc. Price per pair, from \$4.00 to \$10.00. From \$6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra value for the money.

Aucuba Japonica, variegated, in pots. For hotels, etc.; fine, bushy plants, well furnished, from 35c to \$3.00 each; also plants for \$4.00, \$5.00, \$6.00 per dozen. Large plants in wooden tubs.

Abies Kosteri, in pots, \$1.50 and \$2.00 each. Boxwood, perfect, globular, fine, 35c, 50c, 75c and \$1.00 each.

Rubbers, single and combinations, 8 to 9-in., from \$1.50 to \$4.00 each; 6-in., \$6.00 per doz. Araucaria Excelsa, 2 to 2½ feet high, \$1.50 to \$2.50 each.

Araucaria glauca and robusta, \$1.25 to \$2.00 each.

Cibotium Schiedeii, large plants, \$3.00 each; smaller, \$1.50 each, \$15.00 per doz.

Phoenix Roebelenii, young plants, 3-in., \$2.00 and \$3.00 per doz.; larger plants, \$12.00, \$18.00 to \$24.00 per doz.

Pandanus Veitchii, 5½-in., \$1.00 each; 6-in., \$1.25; 7-in., \$1.50 and \$2.00; 8-in., \$3.00 each.

Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., \$12.00; from 15 to 24 inches high; larger, \$1.50; \$18.00 per doz.

Large Kentias, 11-in. tubs, 6 ft. high, \$11.00 each; larger plants up to \$20.00.

Raphis flabelliformis, 7 and 8-in. pots, \$3.00 to \$6.00 each.

Dracena fragrans, Dr. Lindenii, Dr. Massangeana, Dr. Gracilis, from \$1.00 to \$3.00 each.

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Gardenia Veitchii, fine, bushy plants, from 5½-in. pots, well branched, the kind for planting out, \$15.00 per 100.

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Variegated Aspidistra, \$1.50 and \$2.00 each. Plenty of leaves.

Dracena indivisa, from 6-in. pots, 24-in. and over, doz., \$3.00; 100, \$25.00.

Boston Fern, 6-in. pots, \$6.00 a doz.; 6½-in. pots, \$9.00 a doz.; 7-in. pots, \$12.00 a doz. Very fine.

Small Kentia Belmoreana, 3½-in. pots, \$20.00 per 100; 5 to 5½-in. pots, combinations, doz., \$9.00, \$12.00 and \$15.00; fine.

Cocos Weddelliana, 3½-in. pots, \$15.00 per 100; 2½-in. pots, \$10.00 per 100.

Pandanus Utilis, 10-inch pots, \$3.00 each, four feet high, extra large, \$4.00 and \$5.00 each. Crotons, 3x4-in. pots, \$3.00 and \$4.00 per dozen. Phoenix canariensis, 5 to 10c a pair.

75c for each case and packing.

Cash with order.

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A New Fern NEPHROLEPIS GIATRASHII

Awarded a Certificate of
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Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

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Whitmani, 3-inch stock, 6c.; 4-in. \$1.50 per doz. Superbissima, 4-inch, 15c. 6-inch 25c each.

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Field-Grown Carnations

Admiration.....
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First size plants,
per 100, \$12.00.
Second size plants,
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per 100, \$8.00.

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Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering, Sept. 20.....	\$2 60	\$0 50	Chinese, 2½-in. pot.....	\$15 00	\$1 75
Asp. Sprengerii, 2½-in. pots.....	2 00		Forbesii.....	15 00	1 75
Narcissus Paper White.....	1 50		Obc. Alba and Rosea.....	2 00	
			Obc. Gigantea.....	3 00	

—Cash.

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FERNS FROM BENCH

Boston, Elgantissima, for 4-inch 10c;
5-inch 12½c.

Whitmani, Amerpohli, for 3-, 4- and 5-
inch, 8c. 12c and 15c.

Scotti, for 3-inch 6c; 4-inch 10c.

Runners, Boston, Elegantisum, Scotti,
\$1.00 per 100. Whitmani, Amerpohli,
\$1.50 per 100.

Snapdragon, Giant White, Pink, Yellow
and Red, field-grown, \$1.00 per 100.

Rubbers, 4-in. 20c. 5-in., 30c.

Asparagus Sprengerii, 2-in., 2c.

Double Alyssum, 2-in. \$2.00 per 100.

PRIMROSES

All 2-in. fine stock.

Chinese. Obconica alba, Lilac, Rubra. Hybrida
and Rosea, \$2.00 per 100.

Carminea, Kewensis. Sanguinea, \$3.00 per 100
Cash with order.

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"CHRISTMAS CHEER" THE HIT OF THE SEASON.

\$15.00 per 100; \$125.00 per 1000. January delivery.
Get your order in early

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ASPARAGUS

Per 100
Asparagus Comorensis, 1-yr.-old clumps.....\$5.00
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Amerpohli.....	7 50	15 00	25 00	50 00
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Plumousus.....	3 50	8 00	15 00	25 00
Sprengerii.....	2 50	5 00	12 50	25 00
Maiden Hair.....	5 00	15 00	25 00	
Small Ferns.....	5 00			

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Whitmani..... \$40 00 \$60 00 \$100 00
Amerpohli..... 75 00 100 00 150 00
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Plumousus..... 50 00 100 00

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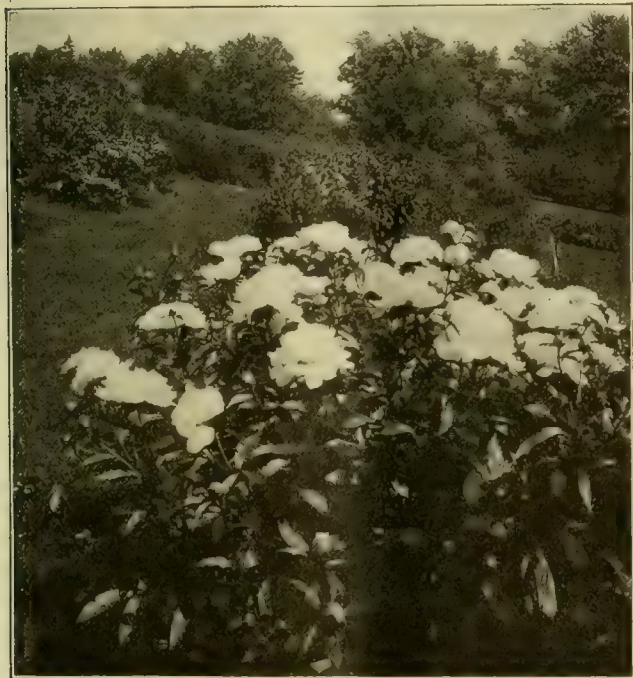
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Double Pink. Mixed sorts.....	\$9 75	\$5 00	\$40 00
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Double Mixed. All colors.....	75	5 00	40 00

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	Per doz.	Per 100
Officinalis (Mutabilis) Alba. Blush white.....	\$1 50	\$10 00
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La Fayette, Ind.

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Achille. Beautiful soft mauve, changing to rosy tinted white.....	1 50	10 00	90 00
Andre Lauries. A fine tyrian rose; late.....	1 25	8 00	75 00
Baroness de Rothschild. Violet rose, with lighter shading.....	1 25	8 00	75 00
Canary. Fine large early white, with creamy centre.....	2 00	15 00	
Chrysanthemiflora Rosea. A fine large early deep rose pink, with paler shadings; early.....	1 25	8 00	75 00
Charlemagne. Rose tinted white; flowers of very large size and good substance.....	3 00	20 00	
Candidissima. Sulphur yellow.....	2 00	15 00	
Couronne d'Or. Creamy white; yellow stamens.....	5 00	40 00	
Duc de Cazes. Guard petals tyrian rose; centre soft rose pink; a beautifully formed flower; useful for all purposes.....	1 75	12 00	
Duke of Wellington. One of the finest double white sorts; very free flowering.....	3 00	20 00	
Duchesse de Nemours. An extra fine large pure white.....	2 00	15 00	
Delachei. Amaranth red.....	2 00	15 00	
Edulis Superba. Soft mauve with lighter shadings.....	1 25	8 00	75 00
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Grandiflora Carnea Plena. Flesh; sulphur centre.....	1 50	10 00	90 00
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Humei Rosea. Deep rose.....	1 50	10 00	90 00
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Marie Lemoine. (Lemoine's). Extra large, free flowering; ivory white.....	4 50	35 00	
Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3 50	25 00	
Mme. Crousse. Cream guard; blush white centre; tinted violet.....	3 50	25 00	
Paganini. Light softening red with lighter centre.....	1 50	10 00	90 00
Pomponia. Guard petals rosy mauve; primrose yellow centre, changing to creamy white.....	1 50	10 00	90 00
Queen Victoria. A good early white.....	1 50	10 00	90 00
Reine des Fleurs. Rosy pink.....	2 00	15 00	
Reine des Roses. Pale rose lilac; centre cream and pink.....	3 00	20 00	
Victoire Modeste. Blush rose and white.....	1 50	10 00	90 00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow.....	1 50	10 00	90 00
Zoe Calot. White, suffused with delicate rose.....	2 00	15 00	

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Strong, Clean, Stocky Plants,

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Full line of H. P's. M. Niel, etc.

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SPRINGFIELD-OHIO

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Field grown, good stock, \$5.00 per 100,
10,000 Enchantress, 5000 Beacon.

D. T. MCCARTHY & SONS,
NURSERYMEN AND FLORISTS,
Lockport, New York.

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The Remedy for
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Troubles.



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Guaranteed Results.

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Araucarias, Anton Schultheis, College Point, L. I.

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Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Boxwood, Bobbink & Atkins, Rutherford, N. J.

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Medium Sized Plants.

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Victory	6.00	50.00
White Lawson	6.00	50.00
Pink Lawson	6.00	50.00
Winsor	5.00	45.00

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51 Wabash Ave., Chicago.

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	100	1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Winona	6.00	50.00
Aristocrat	4.00	35.00
White Perfection, 2nd size	4.00	35.00

DesPlaines Floral Co., DesPlaines, Ill.

Carnations, field-grown. Admiration, Scarlet Glow, Shasta, Sangamo, Mary Tolman, Conquest, Mrs. C. Ward, 1st size, \$12 per 100; 2nd size, \$8. Enchantress, \$6 per 100. Vaughan's Greenhouses, Western Springs, Ill.

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Carnation, 800 Apple Blossom, \$6 per 100. Bard & Davis, Syracuse, N. Y.

Carnations, 100 fine Lawson plants for \$3. Albert J. Mueller, Carlisle, Ill.

Carnation Sangamo, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, F. Dornier & Sons Co., Lafayette, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Tousey, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C. \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, White Cloud, Pacific Supreme, Golden Glow. Ivory, Bailey, Klondike, Lula, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemum Jennie Nonin, fine 2½-inch, \$2 per 100; \$15 per 1,000. Geny Bros., 712 Church St., Nashville, Tenn.

Chrysanthemums, Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

COLEUSES.

Coleus, Verschaffeltii, Golden Beddes and fancy asst., \$5 per 1,000. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, 3x4 in., \$3 to \$4 per doz. Anton Schultheis, College Point, L. I.

CYCLAMENS.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; 7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cyclamen grandif., 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CINERARIAS.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Dahlias, field clumps, \$6 per 100; \$45 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, from \$1 to \$3 each. Anton Schultheis, College Point, L. I.

Dracena Massangeana and *Lindenii*, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish dilling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. *Cibotium Schiedei* 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitmani, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Ferns for dishes, asst., 2-in., \$3 per 100. Amerpohli, 2½-in., \$4.50 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Ferns, *Elegantissima*, Improved, 6-in., 50c Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. *Elegantissima Compacta*, 4-in., 25c; 3-in., 50c; 2½-in., \$10 per 100. *Superbissima*, 4-in., 25c; Specimens, 8-inch pans, \$1. F. E. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., 5c. Whitmani and *Elegantissima*, 3-in., 10c; 2½-in., 5c. Pierson and *Elegantissima*, 4-in., 15c. Mosbak Greenhouse Co., Onarga, Ill.

Ferns, Boston, Scottii, Whitmani, Scholzei, 4-in., 25c; 5, 5½ and 6-in., 35c to 50c. Ferns for dishes, assorted, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns from bench, Boston, *Elegantissima*, 4-in., 10c; 5-in., 12½c. Whitmani, Amerpohli, 3, 4 and 5-in., 8c, 12c, 15c. Scottii, 3-in., 6c; 4-in., 10c. Byer Bros., Chambersburg, Pa.

Ferns from bench, Boston, Pierson, Whitmani and *Elegantissima*, ready for 6 to 10-in. pots, 40c to \$1. Mosbak Greenhouse Co., Onarga, Ill.

FERNS, Pierson, *Elegantissima*, Barrowsi, Whitmani, 2½-in., \$3 per 100. *Scaginella*, 2½-in., \$3; 3-in., \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2½-in., \$3 per 1,000. Whitmani, 2½-in., \$5 per 100; \$4 per 1,000. *Magnifica*, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Nephrolepis Smithii, 3-in., 25c each; \$15 per 100. William S. Clark, 1270 Bladensburg Rd., Washington, D. C.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Ferns, Witmani, 4-in., 25c; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitmani, 3-in., 6c; 4-in., \$1.50 per doz. *Superbissima*, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Neph. *Glatrasii*, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viad, Costelline, Poitevine Joulin, Richard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

GERANIUMS, 10,000 Beaute, Poltevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, O.

Geraniums, 3-in., asst., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Ricard and S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, rose, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, best sorts. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 3 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecker, New London, Wis.

HARDY PLANTS.

HARDY PLANTS. All of the most desirable kinds. Give list of wants and we will quote prices. Wagner Park Conservatories, Sidney, O.

Hardy Perennials. Special prices on field-grown stock. Mosbak Greenhouse Co., Onarga, Ill.

Perennial phlox, divisions, \$2 per 100; \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Iris, German, mixed, \$2.50 per 100; \$20 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German Iris, 50 vars., \$6 per 100. Japan Iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2½-in., \$2.50 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Heliotrope Centiflor, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea *Arborescens Grandiflora Alba*. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy field-grown plants, \$8 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Jerusalem cherries, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Jerusalem cherries, 2½-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsck & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

PALMS, Kentia Bel., 18 to 20 inch, heavy, \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Palms, Kentias, Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, 5½-in., \$1 each; 6-in., \$1.25; 7-in., \$1.50; 8-in., \$3. Anton Schultheis, College Point, L. I.

Pandanus Veitchii, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Dreer's peonies. For varieties and prices see advertisement elsewhere in this issue. H. A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechslin, 4911 Quincy St., Chicago.

Celestial peppers, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

POINSETTIAS.

Poinsettias, 3-in., \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Poinsettia (double), 3-in., 25c each; \$15 per 1,000. William S. Clark, 1270 Bladensburg Road, Washington, D. C.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Poinsettias, 2½-in., \$4 per 100. Cash with order. Harry Heint, West Toledo, O.

PRIMULAS.

Primroses, Chinese Forbesii, Obconica, alba, lilac, rubra, hybrids, rosea, \$2 per 100. Gigantea, Carminea, Kewensis, Sanguinea, \$3 per 100. Byer Bros., Chambersburg, Pa.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and giganta in 10 selected var., good value, \$3 per 100; 500 or more \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken, P. O., N. J.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. KEWENSIS, 2c. J. L. Schiller, Toledo, O.

Primroses, Chinese and Forbesii, 2½-in., \$1.75 per 100; \$15 per 1,000. Obconica, alba, rosea, \$2 per 100. Ob. Gigantia, \$3. Jos. H. Cunningham, Delaware, O.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHOODENDRONS.

Rhododendrons, Jaes Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserlin, 3½-in. pots, \$4 per 100. Wagner Park Conservatory, Sidney, O.

Roses. For varieties and prices see advertisement on front cover, this issue. Vaughan's Seed Store, Chicago and New York.

Roses, grafted Pink Killarney, 3½-in., 10c. Poehlmann Bros. Co., Morton Grove, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue), Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmons, Newton, N. J.

Roses, hybrid perpetuals and rambles. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonifera, 3-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Seeds. Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Rontzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

150 3-inch Smilax. Will exchange for Sprengel seedlings. Albert J. Mueller, Carlinville, Ill.

Smilax, good 2½-in. stock at \$2 per 100. Leo. Wellenreiter, Danvers, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surthead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, \$1 per 1,000. Parsley, Double Curled, 25c per 100; \$1.25 per 1,000. Cabbage, Premium Flat Dutch, Danish, Ball Head, Sure Head, etc., 75c per 1,000 in any quantity. Give us your order. We can please you. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VIOLETS.

Violets, Gov. Herriek, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

3,000 Queen Louise, strong, clean and healthy plants, \$4 per 100; \$35 per 1,000. Cole Bros., Peoria, Ill.

TO EXCHANGE.

Wanted on exchange basis, carnations, roses, 2½-inch Dracena indivisa, for small asparagus ferns and geraniums or field-grown Jerusalem cherries and perennials. Mosbek Greenhouse Co., Onarga, Ill.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 32-36 Randolph St., Chicago.

Berger Bros., 1220 Filbert St., Philadelphia.

Deannud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 34 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Henshaw & Fenrich, 51 W. 28th St., New York.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 402 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kenicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuohn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McClungh's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 15 Diamond St., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vanzhan & Soerrey, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Victor Bros., 51 Wabash Ave., Chicago.

Witthold, Geo., 739 Buckingham Pl., Chicago.

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Send prices quoted and we send the books.

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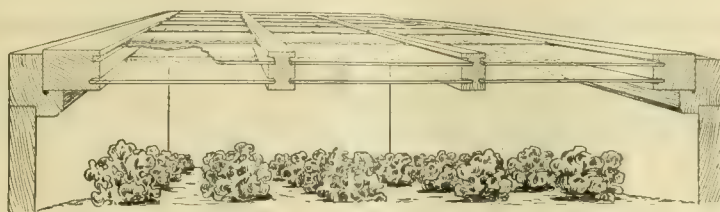
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THE ALLIED TRADES

Peace in Slight in Illinois.

Chicago.—With the prices of West Virginia, Ohio and Indiana coals soaring daily at the rate of about five cents per day during past two weeks the operators in Illinois were not content with sitting idly and allowing the high figures to swell the coffers of the coal producers east of the Illinois-Indiana state line. Therefore peace overtures emanating from the operators and miners' officials were in evidence all last week with the result that several conferences were held by interested parties in the rooms of the Illinois Coal Operators' association in the Fisher building. In the aggregate the miners get all they stood out for. Several of the operators stood out for a slight modification of the terms of the Peoria agreement, particularly with reference to the differential mining rates of three cents per ton in the south and two cents in the north Illinois coal fields. They held out for a two-cent differential in Franklin and Williamson counties, as was provided for in the compromise agreement. In all other particulars the operators capitulated and virtually accepted the terms and wage scale provided for in the Peoria agreement. It is understood that the operators were forced to yield on the question of the differential mining rates also, as the miners' officials attending the conference had no authority to change the wage scale formulated by the Peoria convention and they were under instructions to "do the best possible in the matter of conditions of employment of minor importance to get an agreement." The Peoria wage scale provides for a raise of 5.55 per cent for all miners in the state, including engineers, firemen, pumpmen, yardage, day labor, and dead work. The operators also will pay the wages of shot firers, who will receive the same general increase. Under the old scale paid by the miners the shot firers received 53 cents an hour. If a settlement is reached on this basis the provision that the operators pay the shot firers' wages will be regarded by the miners as one of the greatest victories in the history of the coal miners' union.

The outcome of the peace negotiations affects more than 40,000 miners who have been idle since April 1. About 30,000 men were at work in various mining districts of the state, including the fifth and the ninth, whose operators seceded from the association last May and signed up with the union on the basis of the Peoria demands.



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Society of American Florists.

REPORT ON SCHOOL GARDENS.

At the annual convention of 1908, held at Niagara Falls, the subject of school gardens as a general economic movement was admirably presented by the late E. V. Hallock, Prof. L. C. Corbett and F. R. Pierson. This movement is of far reaching extent and is one of practical economic value of greater importance than at first may appear.

At the executive meeting of the Society of American Florists, held at the beginning of this year, the following committee was notified of its appointment—B. Hammond, A. T. De La Mare, Prof. John F. Cowell, H. B. Howard, W. B. Durie and Joseph Heacock. Just what was expected to be done no one knew. So a careful effort was made to find out from all parts of the United States and Toronto, how far the plan of teaching gardening in the public schools or otherwise was being carried on. To give more than a summary of what we found would be too voluminous, and therefore we give a brief synopsis of a trend in a useful direction which is of a business interest to every florist. These examples of what is being done are simply samples taken from far and near.

In one school district in the town of Fishkill is a "Home Garden Brigade." A committee of three—a clergyman, a real estate agent and the street commissioner—look after the brigade, which this year numbers 111 girls and boys attending the public school. The president of the board of education has put at the disposal of this committee a number of prizes, and the result is a visible increase in general of ornamental door yards, and more than that it helps to keep the boys out of mischief.

At Barrytown, in Dutchess county, the principal of the public school, W. L. Weldey, after school hours has personally superintended the cultivation of a good sized piece of ground, which is divided into small plats and assigned to the pupils. At the end of the growing season these sections are examined and prizes awarded; these prizes have been given by the owner of the ground, John J. Chopman, in the city of Poughkeepsie a section of Eastman park was set off, and under the direction of the school authorities and with the earnest support of a number of energetic women, much interest in the work ensued.

At Burlington, N. J., they say—"There are no school gardens nor is there any indication that there will be any in the immediate future." On the other hand from Fremont, Nebraska, we learn that—"In all our schools we have gone to considerable expense in decorative gardening. On each of our school grounds we have plants of coleus, canna and salvia, in such combinations and forms as to make the school grounds far more attractive than they could possibly be made without them. The effect is the improvement of the aesthetic taste of the scholars and this of course is reflected upon the homes. We have seven schools so decorated."

At Cincinnati, Ohio, they give the following report—"Little artistic work thus far in Cincinnati, lots are too small, but landscape work has been done at Avondale, Clifton and Westwood. There is, however, at Douglas a fine school garden, and window gardening is carried on in the new schools. School and home gardens should be officially encouraged, seeds and bulbs furnished at cost, school lots enlarged to permit beautifying part of the grounds, and gardening a part of the school work." This is recommended by the superintendent of schools. Then the civic department of the woman's club has directed the work of chil-



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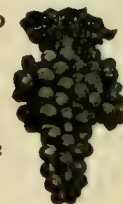
dren's gardening. Mrs. Geo. W. Kerper and her co-workers have addressed teachers, principals and mothers' clubs; they have also employed a supervising gardener, who made 1922 visits last year. The home gardens as a whole were a phenomenal success. The principals and teachers did very much to bring this about.

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dens are established in 12 schools, and in four vacant lots, and some specializing is done by having two kitchen gardens, two formal flower gardens, two nurseries for trees and shrubs, and one botanic garden. Last year the school authorities distributed over 400,000 packets of seeds through schools and organizations outside of Cleveland. In the "Detention Home School" more than 1,100 boys have worked in the garden during two



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No. 2

years. The boys did good work and were always ready and eager to go at the job. On Mayfield road is the Italian settlement; this deserted spot was cleared of rubbish, and here was a study of family interest in which fathers, mothers, boys and girls and the babies took interest.

At Dallas, Texas, they say "There is no systematic work connected with each school but some quiet individual effort has been done in which our school children have been interested."

At Houston, Tex., the report is that "In several of the schools last year school gardens were started. We did not carry the work on in any elaborate or formal manner; however, we found profitable results therefrom as far as we went. It's a beginning which is likely to grow." At Los Angeles, Cal., we learn "This is a garden city, a city of roses. Each and every homesteader feels it incumbent to keep his home surroundings up—our children are thus naturally trained in the cultivation of things useful and beautiful. Our public grounds are well cared for, all of which is inspiration."

Kansas, on the other hand says: "I am sorry to say that here in To-

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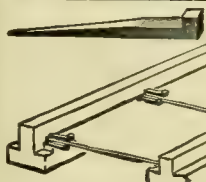
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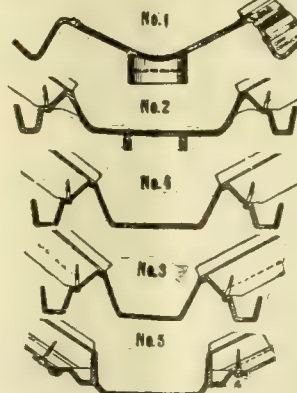
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peka our schools have not as yet made progress in the development of school gardens, but I hope before long we make a beginning." Wichita, says: "We have done no work along the line

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DES PLAINES, ILL.

of school gardens; however, our children have been given encouragement by their teachers to cultivate flowers and vegetable plots about their own

homes." From Birmingham, Ala., we hear: "The only specific work that has been done in this city in the school gardens has been in connection with the public schools for negro children. Several negro schools have attached to them gardens wherein children by classes, have been assigned plots of ground for work under the instruction of a skilled agriculturist. The negro high school, particularly, accomplished splendid results. Excellent vegetables were raised, which indicated care and diligence on the part of the pupils in their cultivation. Some excellent work has also been done in this line in the elementary schools. The best results, however, come from the incentive offered to pupils to utilize vacant ground contiguous to their homes for gardening. It is expected that the work if continued next year will develop splendid results."

From Alabama to Maine is a long stride, but at Bangor the word is: "I am sorry to say that the school garden movement here is at present so very undeveloped that there is nothing of value to report." At Providence, R. I., says Ernest K. Thomas, the instructor, "Last year eight gardens were started and six were well maintained during the whole season. We have a model school garden of some three acres in Roger William park; this is divided into 72 gardens 9 by 22 feet."

At Woonsocket, R. I., the report is: "So far we have not done much in the way of school gardens, but we hope to move in the future." In the old city of New Bedford, Mass., this matter of home gardening goes beyond gardening and the slogan of the city is "New Bedford the Beautiful City." Seeds are sold to the school children at a penny a package. At Springfield, Mass., Miss Fannie A. Stebbins, supervisor of nature study, says: "For several years we have carried on school garden work which has varied much in character. In each primary school where it has been possible to have sufficient ground we have had work which we speak of as demonstration gardening. In several schools each room has a plot of ground where they are gradually getting together good collections of wild flowers. Five schools are making especial effort in establishing collections of native shrubs; another has used rose bushes and vines in decorating grounds. In the fall each school below the high school has an exhibition of products raised by the pupils at home." At Lenox nothing is being done in this line. At Lee, nearby, a more populous and a manufacturing town, much pride is being taken in this sort of work by the residents. Lawns are well kept and a good deal of shrubbery and flowers are set out but in the rural districts the matter of school ground improvement is neglected.

The people of Worcester owe very much to an old gentleman, Adin A. Hixon, who for years has done remarkable work in educating children in gardening. In that city a certain practical work is being done at a place called "Garden City;" this was the old city dumping ground and was reclaimed under the leadership of a clergyman, the Rev. Robert J. Floody, and his wife. The report from the city police is that "This garden work has reduced juvenile crime in this district over 50 per cent; in this work each child paid five cents, was given a card with the number of the garden, also seeds and tools. He was taught how to prepare the ground, how to plant, and how to care for crops. What he produced was his own to sell or take home. This work has grown until its results are regarded by the city authorities as of great economic value in training children in ways of persevering industry. The

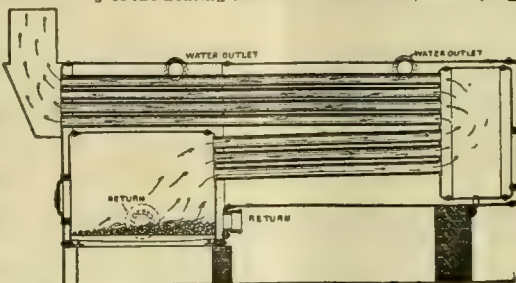
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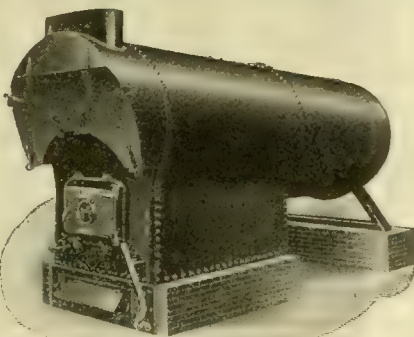
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Worcester Horticultural Society has been a prime factor in home gardening throughout Worcester county.

In Boston the Massachusetts Horticultural Society has exerted its influence over all the eastern part of the state. At Bridgewater when these school gardens were started some people freely expressed themselves as skeptical of the "fad." But the work has grown until it is part of the industrial movement which is connecting school studies with the problems of real life. The children are doing the

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actual work in raising either vegetables or flowers and are thus learning about them. At Waltham, the Home Garden Association started its work in 1905. The annual entries by the children exceed 1,000. A close study



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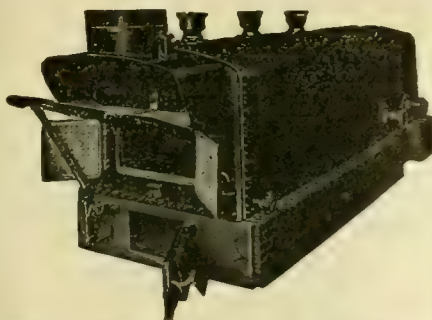
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of this work reveals the fact, that many a child has never been taught at havoc even the simplest idea of plant growth, not even the difference between weeds and flowers. The child learns by doing and he should be given a small plot and a few seeds which he may call his own. It is a significant fact that nearly all the

boys and girls who did well the first year do better the next. Said one mother, "This is the best thing ever started, it gives my boy something definite to do during vacation."

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William C. Crawford is master, "great interest is manifested by the pupils, as time goes on and we are able to systematize the work, meaning by that to arrange it so as to help it. We shall succeed in making this a line of activity of educational and industrial value. We have between forty and fifty beds planted and cared for by as many boys; these are devoted to vegetables, and in addition are numerous flower beds in front and round about the building, all cared for in like manner."

In Pennsylvania, Philadelphia of course is a leader, situated as it is in the best cultivated section of America, and dominated by the best cultivators in the world, the Quakers and old German stock. Miss Stella Nathan says: "All our gardens are under the direct control of the board of public education and the work is under the direction of a supervisor. We have school gardens, kindergartens, home gardens and school yard improvement. (Kindergarten gardens are small gardens varying in size from 2x10 feet to 30x50 feet; as far as possible the planting is arranged so that each child can gather something from the seed he has planted.) We have 35 kindergarten gardens, these were kept in good condition during summer by some of the larger boys. Of the school gardens proper we have eight. Any lot which we can secure which is within four squares of a public school we take. The gardens are divided into three kinds of plots: class, individual and experimental. In the spring and fall the kindergarten class comes to the garden during school hours and first receives a lesson in nature study, then it does the actual work, planting the seeds and hoeing the ground. When the crop matures it is divided among the little ones."

In the county towns of Pennsylvania we get these reports: At Butler they say: "We do nothing in this line." At Washington, the Superintendent says: "I regret we have done nothing." At Erie: "Nothing is being done by the board of education, but this work is carried on under the direction of the woman's club. This stirs up considerable interest in flowers and ornamental dooryard work."

At Harrisburg the superintendent of schools apparently takes no interest but refers such work to the civic club under whose initiative quite extensive gardens are maintained. At Easton nothing has been done in the matter of school gardens. It seems as though in smaller cities and large villages less is being done in any systematic way than in the chief cities; for instance: in Pittsburg there is being done work of a most commendable character that cannot but uplift the everyday life of thousands of people. The Pittsburg Playground Association reports its work in conjunction with the schools of the city: "We are instructing the children in nature study. We have about five acres divided into plots 6x12 feet, and 700 children work them. Then there is the kindergarten work: there are three plots in which the whole class is interested. These little folk are too young to take charge but their interest in this work is not lessened either by tenderness of years or size of the small pupil."

At Williamsport, under the general direction of Mr. J. L. Ulmer of the Science Department, considerable has been done to advance home gardening among school children. Williamsport is not a closely built city, and a large proportion of the children have gardens at their own homes. "This condition has an influence over the interest taken in formal school gardens. Each year Mr. Ulmer has secured from Cleveland, O., seeds and bulbs for both vegetables and flowers. Nearly every family has used these seeds. In September we set apart a day when these

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flowers and vegetables are exhibited in our schools. Window garden work is done in the class rooms by many teachers—this needs systematic oversight and is worthy of general support."

At Minneapolis, Minn., Dr. Charles H. Keene, supervisor of physical training in the public schools, says: "At present we are conducting three school gardens, two of which are in school yards, and one is in a park adjacent to a school yard. During the spring and summer these gardens are carried on under special instructors appointed for that purpose. The area of ground used is about three-fourths of an acre. This work is new. The garden in the park has been conducted for several years but no formal report has been made."

From Winona, Minn., comes the report: "We have not any school gardens as such, but we have given out seeds and encouraged our pupils to raise vegetables at home. One school has planned for an exhibit of their products this fall. This work is new, and we hope and expect to have one or two school gardens next year."

Cairo, Ill., reports: "We have taken up the garden work this spring for the first time in the history of our school system. Every school has its flower garden, each room its separate plot, the children and teachers competing with one another for the prettiest and best. We planted annuals as well as biennials and perennials. We are keeping the plots growing during the summer, and on the whole we have much reason to be encouraged."

At Rockford, Ill., the county superintendent of schools, O. J. Kern, has been very active in stirring up the management of rural schools to teach

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gardening. In this he has had commendable success. The country school districts are usually more neglected than in cities or large villages.

In Chicago the school authorities encourage the development of school gardens, but the success of this depends greatly upon the interest which is taken in the individual schools. Some are doing remarkably well and much good has resulted among the homes of the district. Illustrated lectures have been given in different parts of the city showing the possibilities of improving and beautifying the homes in the less favored portions of the city. In some districts, prizes have been given to the pupils who showed the best results in improving home surroundings through floriculture.

At Ionia, Mich., W. Sherman Lister, superintendent of schools, says: "I have conducted school gardens in connection with our public schools during the past two years. We secure seeds from the Home Gardening Association of Cleveland, O., and these seeds are very good. We had about 225 gardens each year out of a total enrollment of approximately 800 pupils. Last year prizes were distributed to the amount of \$35." Jackson, Mich., is dependent upon the Improvement Society for what is done to stir up an interest in gardening; in fact, this seems to be the way of first creating an ap-



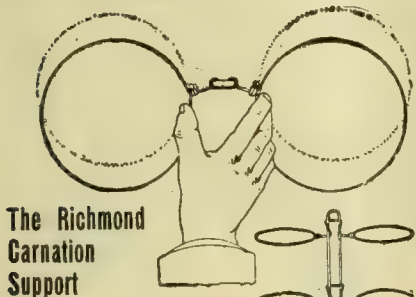
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preciation of the value of this work. Mrs. John Sharp has done much to bring about interest in home gardening. Grand Rapids, the city of well kept homes, has done a good deal of work in this line. This year 12 schools have school gardens; during school sessions these are well maintained, but during vacation it is difficult to keep up the gardens.

In Detroit, many of the public schools maintain gardens in the school yards. Each year seeds are sold to the pupils under the direction of the board of education and efforts are made to encourage the children to plant and raise flowers; these flowers are exhibited in the fall. Detroit is a city where home gardening is regarded as a necessity if a family would be classed as respectable, hence children are probably far better trained generally in this work than in most other cities.



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At Michigan City, Ind., they say: "Nothing of the sort going on here." And as you pass through the city it looks it. Parkersburg, W. Va., reports: "We have no school gardens, but I believe they are worthy of support, especially so in these larger places, and where people crowd together in poor, miserable sections."

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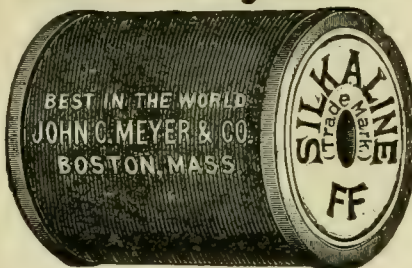
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Hartford, Conn., and New Haven, make full and interesting reports. Ansonia says: "We have several excellent lawns and flower beds in which children are greatly interested, but we have no school gardens." From Middletown, the answer comes: "We have no school gardens." Danbury, where the great fair is annually held, says: "We have nothing in the school garden line on the way at present, but the 'clean up and be tidy' spirit pervades the town." From Stonington we hear: "Nothing of the school garden yet, but the old fashioned habit of a nice home garden prevails."

At Newark, N. J., A. B. Poland, Superintendent of schools, says: "This year we have in this city two school gardens; both of these have been in operation for several years. This work if carried on systematically surely is of practical value in influencing the child to intelligent industry, for you cannot have a nice garden or surroundings without constant effort."

At Albany, N. Y., "Five school gardens have been maintained for several years. Three of these have been very successful, while the others have not owing to unfavorable local conditions, in the spring and early summer." At Roslyn, L. I., nothing has been done in the line of school gardening except a few window boxes. At Binghamton, N. Y., they say: "We have one school garden in charge of School No. 1, Oak street. It is our first experiment with the work; thus far there has been marked interest." At Nyack, N. Y., nothing has been done. Schenectady, N. Y., reports: "We have been interested in school gardens for three years. The seeds were supplied by the city during the first two years, while the present year each child paid two cents for the seeds supplied by a committee of principals." At Glens Falls, N. Y., nothing doing. Plattsburg, N. Y., says: "So far have done nothing in the line of school gardens." Fredonia, N. Y., says: "We have quite a large garden on the grounds of our Westhill school, with 15 sections, which is well cared for by the boys and girls, who take great pride in it. Soon as our Eagle Street school is ready, we shall have a garden there." Southampton, N. Y., says: "We have not done anything in this line yet." Schoharie, N. Y., says: "Nothing doing." Jamaica, N. Y., says: "At nearly all our buildings we have little flower beds and borders, which are looked after by the pupils, but we have no department of school gardening. In the future more may be done in this line." Dunkirk, N. Y., says: "No special work has been done in this line here. I am in thorough sympathy with it and hope in the near future we may take it up systematically." From Jamestown, N. Y., we hear: "We have given some attention to this work in two of our grade schools, especially to the raising of vegetables. In one school the children sold nearly \$10.00 worth of potatoes and the money was used to buy pictures for the walls of the school."

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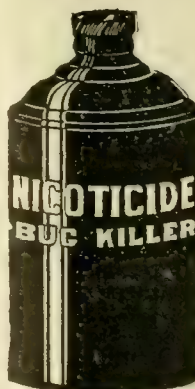
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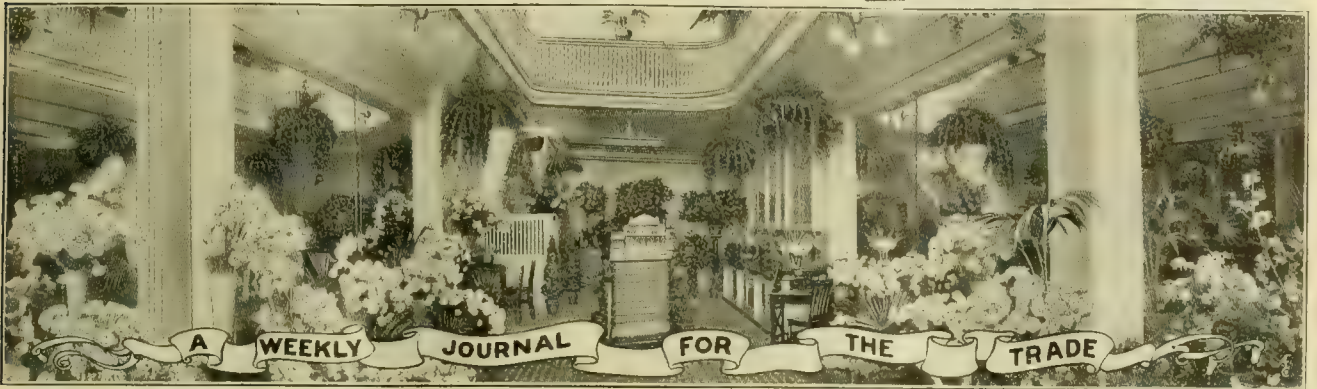
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Vol. XXXV.

CHICAGO AND NEW YORK, SEPTEMBER 17, 1910.

No. 1163

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HALF HOUR CHAPTERS FOR FLOWER GROWERS

Roman Hyacinths.

The earlier, after arrival, the Roman hyacinths are planted or potted the better as they need plenty of time to root before being introduced to heat for forcing. There is no need to be afraid of their coming too early as they can be held outside as long as necessary and brought in in batches as needed. A good plan where there are large numbers handled is to place the plats one on top of the other in a perfectly cool, dark shed with strips between them to admit air. The question of soil for these bulbs is not a very important one for they contain all the necessary nutriment and, as they are thrown away after flowering, the soil is practically only a mechanical support and a vehicle to carry the moisture to the bulbs. Place them in position so that the tops of the bulbs just peep out of the soil and give one thorough watering to settle the soil around them before stacking the pots or covering with ashes outside. Either plan is good according to the circumstances of the individual grower. Many growers have a demand for this bulb in small pots and fern dishes. When this exists the bulbs can be placed directly into these and treated similarly to the above.

Paper White Narcissus.

Experiences of growers in recent years has been that the very earliest crops of Paper White narcissus have barely paid for the trouble and expense of the bulbs and culture and for this reason we would not advise growers who are going into their culture for the first time to try and open up a new market for a quantity but rather to grow what they think they can dispose of and a few extras to try out the market. When going into this kind of culture one has always to consider that most of the principal markets are already well supplied and any newcomer has to take his chance with those who have already an established trade and reputation. Of course, in most cities there is an increasing demand annually in proportion to the rise in population and we do not wish to say anything

that would look like trying to cut down legitimate business but it is poor policy to glut any market with stock as it makes it bad all around. The man with a retail demand should by all means grow as many flowers as he can use, for at retail they show a good profit and are very useful in made-up designs and numerous other ways. It is quite a different thing to try and unload a lot of stock on an already weak market. The early culture does not differ materially from that advised for Roman hyacinths.

Carnations.

The plants that have been grown indoors all the season and were planted early in their permanent quarters are already flowering a little and will produce some exceedingly useful blooms. The best of all as yet is Enchantress, this popular favorite having produced many handsome flowers for so early in the season and it is being followed by White Enchantress and White Perfection. Winsor and the Lawson types generally are also good but, naturally, short in the stem as yet. The roots are getting well through the soil and already cultivation, disbudding and watering are being regularly carried out. Feeding is not necessary as yet, the soil containing all the nutriment necessary for the plants, but plenty of water must be given. Field plants in many places are small this year, owing to the dry weather, but we have been surprised to see how well they have taken hold of the soil and started to grow. It is quite time now that they were planted and wherever the benches are ready or can be got ready it is a waste of time and the plants' energies to leave them in the field. The shading put on the earliest planted stock should all be removed now and it should not be necessary to shade any planted after this date. Watering of the newly planted stock should be carefully carried out and only around the plants for a time. There is quite a difference in the way plants lift from various soils. When it is heavy, and especially after a drought, the ball is frequently hard and dry and only re-

peated waterings close up to the plants will moisten this. Other plants, lifted from a more favorable soil, will have this looser about the roots and it will be found easier to properly moisten it. The grower who watches these points carefully and does not water everything indiscriminately as he comes to it will stand a far better chance of success than the grower who goes along with his hose in a happy-go-lucky way and treating all alike.

Chrysanthemums.

The chrysanthemum grower at this season has to be constantly on the watch and the plants need daily attention. Side shoots have to be picked out and buds taken, the supports have to be kept in order and the plants are in constant need of water. Then there are always insects prowling around, ready to descend on the plants in myriads. Black fly attacks just at this time will ruin the most promising buds while, if there has been an attack of red spider and it has been in any way neglected, it will be found very difficult, now that the foliage is getting heavy, to destroy the insects without starting a bad attack of mildew. Although apparently of such simple culture the chrysanthemum needs, and must have, constant attention. An experienced grower looking through a house of plants now that has been neglected will notice the crooked stems caused probably by the plants being allowed to lie in the bench and turn up to the light in an earlier stage. He will also see the dead or dying foliage on the bottom of the plants, showing that at some of the earlier stages the plants had been starved in small pots. To avoid this and to keep the work always up-to-date should be the aim of the grower, for he will thereby save money, time and temper. There was never a better exemplification of the old saying that "a stitch in time saves nine" than in the case of the chrysanthemum grower.

Callas.

The sooner now all callas are under glass the better and whether benched or grown in pots they should be growing away and forming roots. Although almost aquatic in their needs the roots should not be soaked out with water early in the season before they have had a chance to get a good hold on the soil. Plants that were well rested in summer and potted or benched in August are already in full growth and will need an ample water supply. Newly imported roots that have not yet started to grow should be kept just moist and, as soon as growth starts, a careful lookout should be kept for insects, especially green fly. Keep the upper soil in the benches scratched over with a rake or the hands to admit air and keep down weeds and keep the temperature at about 50°-55° at night according to outside weather conditions. Should green fly appear lose no time in fumigating every other night until all are destroyed.

BARRABOO, WIS.—William Puck is building an addition to his greenhouse.

KOKOMO, IND.—W. W. Coles is at Oden, Mich., and will return about October 1.

BIDDEFORD, ME.—The Strout Co. have commenced operations on the new greenhouses on Alfred street.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Decorations at Roosevelt Banquet, Chicago.

One of the most elaborate decorations of the season graced the rooms and tables of the Hamilton Club, at the reception and banquet tendered ex-Pres. Roosevelt upon his visit to Chicago September 8. The rooms were banked with palms and the gold room, in which were seated the guests of the evening, the decorations were in the national colors. Covers were laid for 557 in this room and the tables were heavily draped with ferns, upon which were distributed small electric lights of red, white and blue, over these were laid sprays of asparagus sprengeri through which were scattered short-stemmed American Beauty roses. Large vases of long-stemmed roses of the same variety were then placed upon the tables. The balcony was decorated with flags and bunting of red, white and

blue and in the center of the rear of the hall was placed a large American flag constructed of electric lights of the proper colors. The three other rooms, in which were seated the attending members, the tables were similarly decorated, Killarney roses being used instead of Beauties. In making the decoration 700 American Beauty roses and 8,000 Killarneys were used. Strail & Hahn were in charge of the floral embellishment, and received unlimited praise for the manner in which it was executed.

Casket Covers.

The use of flowers at funerals is unlimited in quantity, and the designs into which they are formed are innumerable, dependent entirely upon the ingenuity of the florist and the length of the purses of the customers, but of all the different forms in which the beautiful products of the florist are employed probably today, the casket



URN OF AMERICAN BEAUTY ROSES.

By Miss Clara King, Alton, Ill.



CASKET COVER OF LILY OF THE VALLEY AND CATTLEYA MOSSIAE.

cover is the most elaborate and expensive that is encompassed in any one single form. To the smaller florist or to one who is unaccustomed to the designing of one of these beautiful creations, the first word of the customer in mentioning a blanket or pall, sends a thrill of horror through his entire system, but to one who is fully prepared for this line of work it means an opportunity to put forth his best efforts, and produce an effect worthy of his ability.

The making of a handsome casket cover entails lots of work and usually a large quantity of stock, and the customer must fully understand that a design of this kind cannot be made cheaply, and that the florist must receive a good recompense for his labor. There are four different ways of making this design which are in use by the more prominent florists. First, the wiring together of strands of different greens, generally either smilax or asparagus plumosus; second, the fastening of greens and flowers upon a silken or cotton netting, either by wires or sewn on with needle and thread; third, the procuring of a wire frame of the dimensions of the casket and wiring one of the many greens closely enough together to form a solid screen, and then wiring the flowers on to the frame; and fourth, procuring a frame, so constructed that it can be filled with moss and the design made up as are the other lines of flower work. Each one of these different modes of construction has its strong adherents, who firmly believe that their way is the only way to bring about the desired result, but in all probability the more expensive designs are made upon the wire frames. The first plan, while being the simpler, entails an immense amount of work and patience, but requires no outlay but the greens and flowers that are wired in. One of our first experiences with a blanket of this form was very discouraging, the customer wanted a cover made of smilax with no flowers, and we received a generous price for the work. The

blanket was delivered at the house and placed upon the casket. When the body was removed to the cemetery the cover could not be found and upon inquiry it was discovered that the funeral director, thinking that it was a lot of loose smilax, had bundled it up together and thrown it away. Many of the best florists make their casket covers by the second plan, that is, fastening the greens and flowers upon a silken netting and some beautiful work is thus arranged. This is all right as long as the design is handled by the florist himself, or by those who understand and will give the proper attention to its removal, but in the hands of a careless person, the most elaborate piece of work may be ruined in a minute so that when carried to the burying lot and placed upon the grave it is a disgrace to the designer and a great disappointment to the customer. This manner of making this design more correctly carries out the blanket idea.

The third plan is probably the manner used by more florists than any other and is more generally understood. The frame is made to conform to the size of the casket of single wire with 2-inch mesh, and then covered with suitable green, asparagus plumosus or sprengeri preferred, this being fastened on with fine wire and draped down the sides to cover the entire depth of the casket. The flowers are then wired and fastened to the frame through the green. The fourth manner of treating this design is far easier as regards the labor expended, and capable of much more elaboration. The frame is made in two sections and adjustable to any size casket, it is then covered on the inside with heavy tin-foil or paper to prevent the moisture from injuring the casket and filled with moss and arranged, as are other funeral designs. Being made in two parts, if the casket is open, the one half can be placed upon the lower end, and then, when closed, the other added and the casket completely covered. The accompanying illustration is of

one constructed in this manner and is composed of Lily of the Valley and Cattleya Mossiae, and was arranged by James H. McManus, manager of the Tremont street store of T. F. Galvin Co., Boston, Mass. In the designing of this beautiful floral piece there were used three thousand Lily of the Valley and fifty Cattleyas upon a ground work of adiantum and asparagus sprengeri, much of the latter being covered with its small white flowers.

September Flowers in Philadelphia Stores.

While from the dealer's viewpoint, the best flowers are not arriving this month, it must be agreed that there are many beautiful and meritorious offerings.

One of our popular city newspapers recently published an interesting cartoon showing the city's growth from 565,529 in 1860 to 1,549,008 in 1910. Old Father Time extends his hand and exclaims: "What a big fellow you have grown to be!"

To those interested in horticulture, (and who among our readers is not?) the statistics of the growth and expansion of the florist business and the increase in the number of stores in this city, the change in methods, the new productions in innovations, would probably furnish more interesting reading than the mere counting of noses.

In matters floricultural, many of the people of New York and other suburban cities, look on Philadelphia as a convenient source of supply when they run short of flowers. They sometimes overlook the fact that the retail stores of this city, many of which are among the finest in the country, use an enormous amount of the finest stock. Another feature is that, this being a city of homes with a home-loving population, the revival of fall business begins earlier here than in some other places. Already the retailers report an improvement and by the end of this month it will be much better.

Coming now to the actual stock in trade of the florists, if quantity was the main factor, we would say that the asters were supreme. While, like every other commercial factor, there are many kinds, yet it must be acknowledged that nothing finer was ever seen than a portion of the stock that is now being handled in the stores of this city. Stale jokes sometimes pass around, to the effect that any market gardener can grow good asters. So be it. Let him grow them if he can. There is no royal road either to the wholesale or retail stores. We are writing of what we can see and of what actually exists and leave theories and experiments to the United States Department of Agriculture, Washington, D. C.

We give the asters large space at this time because they seem almost indispensable.

For the higher priced stocks, such as orchids and American Beauty roses, there is not a heavy demand, but what there is can be readily supplied. In the past, in writing of roses, we have always contended that the American Beauty was about the only dependable rose for this season and our opinions have not changed. This, of course, does not cover funeral work. A skillful designer can work most anything in the shape of a fresh bloom into funeral work, but for a nice bunch for my lady, always a person that is very much alive, give us the American Beauty.

However, it is not our purpose to disparage the tea roses. Doubtless there are good people and good customers of the retail stores who do not fancy American Beauties, for such, at this time, Killarney, White Killarney, My Maryland and even Brides and Bridesmaids may be found, although it must be acknowledged that the last two seem to be falling behind in popularity.

A few very fair carnations, for this season, are seen but they are not a factor in the market and will not be until the reign of the Queen of Autumn (excuse the plagiarism) begins and ends. And, in this connection it may be stated that a few chrysanthemums are already seen, but they cut but a small figure. The time for chrysanthemums is "when the frost is on the pumpkin and the fodder 's in the shock."

Most of the people look on a chrysanthemum at this season of the year much as they do on an incubator baby, to-wit, interesting but not seasonable or natural.

Very fine gladiolus are seen, and in window decorations they add greatly to the effect. The hydrangea paniculae grandiflora is now seen with the pink tinge of autumn on its petals, which adds greatly to the effect when it is made a part of a varied collection in a window decoration. The tritomas (red hot polsers) are also being much used for window display and at this time when we have red hot politics, baseball and aviation or sky-flying, they seem very appropriate. The aquatics such as the lilies and lotus are also very noteworthy in the miniature lakes which the clever decorators construct in their show-windows.



CELOGYNE DAYANA.

ORCHID NOTES.

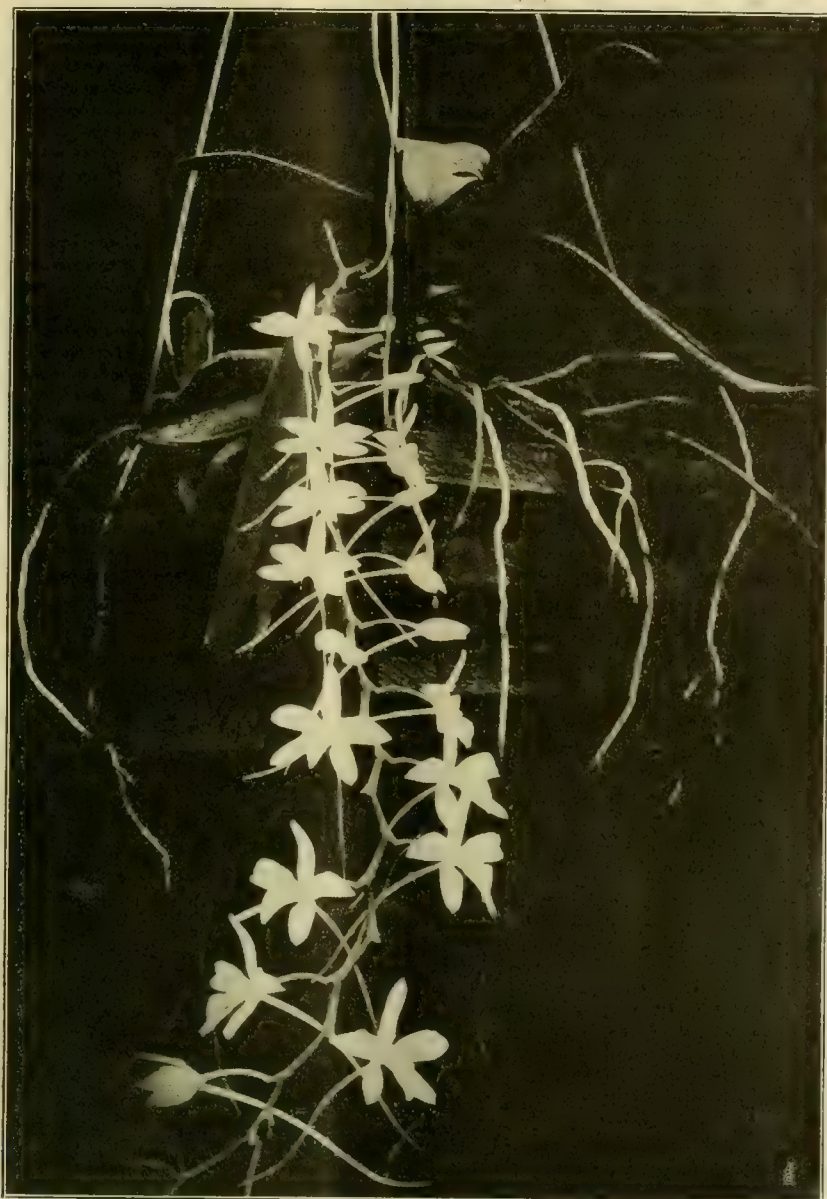
The Cattleya Fly.

Imported cattleyas should be closely examined on arrival for traces of this dreaded pest. If there are any small holes in the bulbs, denoting that they have had the fly, they should be well washed in a solution of insecticide and water, and placed by themselves, quite away from any other cattleya, till they have made one season's growth, a strict watch being kept for any appearance of the fly. An experienced grower will soon tell whether any plant has it, but an amateur, or even a grower who has never seen this pest, will do well to consult someone who has experienced it, and make sure on the subject, for if it once gets a foothold in a collection of cattleyas it will soon ruin the lot. In a young state it is detected by the abnormal size of the young growth at the base, which tapers to such a degree at the top of the growth that it is out of all proportion.

showing that there is something wrong. If such a growth is cut open there will be found about two to eight white maggots, which feed upon the inside of the young growth, and eventually become flies if allowed to develop, and on emerging lay their eggs in other plants, and so ruin the lot. The best way to get rid of them is to cut off all infested growths as soon as noticed, and fumigate the house with XL All fumigating compound twice a week till the pest is cleared out. It is a drastic method, but the safest. If prevented from breeding they can be quickly got rid of—Orchid Review.

Coelogyne Dayana.

The illustration accompanying this note gives an excellent idea of a small specimen of this orchid. Larger specimens, with more leads and consequently more flower spikes, are very much more effective. The plant is a good grower with long cylindrical pseudobulbs tapering at each end and it is extremely free flowering, the



ANGRÆCUM SANDERIANUM.

long pendulous racemes appearing at various times of the year. In this respect it is a good deal like *C. Massangeana* but the two species are quite distinct in every way. The individual flowers are small, the sepals and petals pale nankeen yellow, the lip brown streaked with white, a peculiar but pleasing combination.

C. Dayana likes plenty of heat and moisture, being a native of Borneo. The compost we have found suit it best consists of peat fiber and sphagnum moss with a little good leaf mould. It is rather a restless species, some portions of large specimens being always on the move. The foliage, while fairly hard, is not able to stand much direct sunlight, consequently a fairly heavy shade should be given in summer. It grows naturally in low lying, hot valleys and on the banks of streams where there is always abundant atmospheric moisture and this fact should be kept in mind at all times. In a dry atmosphere the foliage and bulbs soon become in-

festated with red spider and other insects and this is an end to all healthy growth. Plentiful spraying when growth is active and abundant root moisture are the conditions best for *C. Dayana*.

Angraecum Sanderianum.

The small flowering angræcums are pretty and attractive little orchids, not much grown but well worthy a place in collections when variety is looked for. *A. Sanderianum* is practically the same plant as *A. modestum*, an old species from Madagascar, whence also comes the remarkable *A. sesquipedale*. Like it the flowers are pure white and have very long spurs to the nectaries in comparison with the size of the flowers. Its culture is practically the same as for *phalænopsis*, the plants delighting in ample heat and moisture and liking a small basket or pan filled with sphagnum moss and charcoal. The plants are impatient of any sudden changes in the atmosphere, also of sodden or

decayed compost, consequently considerable care in these details are necessary. Otherwise it is not by any means a difficult plant to grow and always flowers freely.

CHRYSANTHEMUMS

Feeding Chrysanthemums.

The buds on the early varieties are swelling rapidly, every few days making considerable difference in size with them. Now is the time that these plants will be benefited by applications of liquid manure but feeding of the early flowering varieties must not be carried on to the same extent as with the later and mid-season varieties for the reason that their blooming period is at a time when the weather is usually warm and sometimes very close and if the flowers are inclined to be a little soft, spotting of the petals will occur. The amount of benefit the plants will derive from the application of liquid manures depends not so much on how often you apply the manure, but more on how systematically the work is carried on and on how close the plants' requirements and the conditions of the soil are studied. Plants cannot assimilate manure properly when the soil in the bed is too wet, neither is a damp, close day a good time for manuring. On the other hand the soil must not be dust dry at the time of feeding or the plants will take up the manure too fast. A bright day and the soil in the beds in a moist, friable state, are ideal conditions for the application of liquid manure. Half a bushel of cow manure to fifty gallons of water, and let it stand for two days before using; then water through a Kinney pump is about as good a manure as you can get for the early varieties. It can be applied once a week for three weeks, which will allow for the buds to be about two-thirds developed. Then, after this, if the leaves are not over-brittle to the touch, the plants can stand a light dusting of pulverized sheep manure over the surface of the soil, which will carry them along in good condition until the blooms are cut. The feeding of the later and mid-season varieties is a different proposition entirely, for the reason that you have a longer period from the time the buds are taken till the flowers show color for doing the work. This gives us a chance to change the kind of food and style of feeding, going from liquid manure to surface dressing and changing to chemicals and back to clear water entirely for a few days.

How much feeding your plants will stand depends upon their present condition, also on how much feeding by the way of top dressing previous to taking the buds, that the plants have been treated to. The early propagated and early planted stock, which has had liberal treatment from the start, should now be in a very vigorous state, and as such can take care of considerable feeding, starting out with liquid cow manure, changing off to top dressing of sheep manure, from this to a four-inch pot of nitrate of soda to fifty gallons of water, then back to clear water, then another application of liquid cow manure until the buds are two-thirds developed, when a light top dressing of sheep manure will carry

them through. I am not a believer in the method of feeding the commercial stock up to the time the petals show color or beyond, preferring to let up a little before and let the plants have a chance to harden off so as to give substance to the petalage. With the exhibition stock the man who undertakes growing it generally figures to grow his plants to the limit, and will carry the feeding along until the petals are showing color, but he has got the feeding process down to a science and watches his plants so closely that he can tell just when to switch off. He knows his soil, knows the atmospheric conditions under which his plants are growing, but to advise another grower what to do along the line of feeding his exhibition stock might be all wrong, the grower for exhibition must, therefore, to a great extent, study out his own problems of feeding.

Taking the buds still takes up considerable of the time, but this part of the work must not be neglected and all buds should now be taken as soon as they can be safely handled. Another thing, that should be attended to right along now, is to keep the plants tied up straight so that there will not be any crooked stems. Afternoon syringings should be dispensed with from now on, also caution must be exercised with any morning syringing; if the weather is hot and bright a daily syringe is beneficial, but during close, muggy weather, it is best not to syringe as often, though the letting up must not be carried to the extent of allowing the red spider to infest the plants. Plenty of fresh air is what the plants delight in just now. Give all the ventilation possible, day and night, but avoid any strong currents through side ventilators or open doors.

C. W. JOHNSON.

Bouvardias.

Although the bouvardia is a much hardier plant than many people imagine, it is time now that the outdoor plants were lifted and potted or benched, according to convenience. Plants that have been kept regularly pinched will now be nice bushy stock, bristling with young shoots and ready, in the presence of a little heat and atmospheric moisture, to burst into flowers. But it will not usually be necessary to start forcing at once. In fact the word forcing is hardly applicable to bouvardia culture as the plants never like much heat, especially overhead. What they like in the flowering season is a little bottom heat to keep the roots moving and a cool temperature overhead to give strength and stamina to the shoots. They also like ample spraying overhead and air on at the same time, this keeping the growth hard yet clean and vigorous and checking insect attacks. The taller growing varieties of the Humboldt order should be allowed ample head room, needing more than President Garfield, Alfred Neuner and the Leianthe and Davisoni (Vreelandi) sections. But all are beautiful flowers well worth cultivating and to the retailer who has a little glass there is nothing more useful from October till March.

OLEAN, N. Y.—Dana R. Herron will open an up-to-date florist store about Oct. 1.

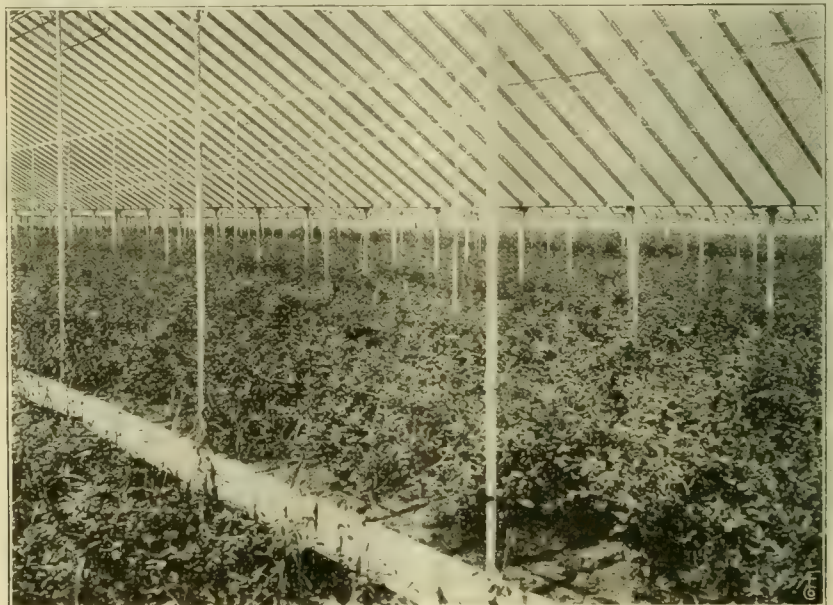
THE CARNATION.

Seasonable Notes.

The plants which have been grown under glass all summer are now well enough established and rooted in the soil to be allowed to come into flower. Not all of the plants on a bench will be of the same size and condition, and if there are among them any that have not made a reasonable number of shoots they can be gone over and their shoots topped back again. Before the plants are allowed to come into bloom the requisite number of wires or stakes should be put on to take care of the shoots as they come up. These indoor grown plants are now making a rapid growth, the fact of their roots having control of the soil and weather conditions being favorable to carnation plant growth, it seems as if one can fairly see the plants take on additional shoots every

same directions should be followed as stated for indoor grown stock. It is a mistake to pinch back a whole bench of plants injudiciously at this late date. If there are any plants already clothed with sufficient shoots to be allowed to let the blooms come along, they can do so, and the backward ones gone over and topped back once more.

The planting in from the field that is still to be done should be pushed along without delay, if flowers at a reasonable early date are desired. Stock planted in after September 15 will take longer to get established in the soil. Less shading will also be necessary than earlier in the season, and after the first watering in they should be treated to slightly dryer conditions, both at the roots and through syringing. One of the things that retard quick recovery after planting at this time is the strong draughts from the cool winds which we usually get from now on at this season of the



VIEW IN ROSE HOUSES AT HOERBER BROS., DES PLAINES, ILL.

day. Plenty of ventilation and clear sunlight, with the soil in the beds kept in an open growing condition, should be the growers' aim from now on. Do not water until the plants absolutely require it, then thoroughly, and between each watering still keep the soil open by frequent scratching of the surface. Syringing early in the day on every bright day to keep down red spider should still be carried on, and if a very hot spell sets in, damping down the walks right after noon is very beneficial.

Stock planted from the field in July or early August should now be on the same basis as those entirely indoor grown. All shading from the glass should be entirely removed and all the light and air given that is possible. We also find one of the necessary items for the plants' well being is to make sure that the soil is not at all spongy, but firm enough for the water to pass through it thoroughly. Regarding the pinching back of the shoots on this early planted stock the

year. It is best, therefore, to run the ventilators a little closer on newly planted stock than is generally the custom; also attend strictly to the keeping down of the insects by fumigating at every favorable opportunity.

C. W. JOHNSON.

Pulverized Sheep Manure for Carnations.

ED. AMERICAN FLORIST:

How much pulverized sheep manure will it take for soil in the houses to be planted the second year with carnations? The bed is 4 feet, 6 inches by 100 feet. Is it well to apply two lots, top and bottom, and is it considered better than cow manure? I. X. L.

We have never used the pulverized sheep manure in this manner, our method of using it being as a mulch for the soil when the plants are well established and in full growth. If we had the choice between well rotted cow manure and pulverized sheep manure for mixing with the soil for the purpose stated we certainly should use the cow manure. Sheep manure is a



EXTERIOR VIEW OF HOERBER BROS. GREENHOUSES AT DES PLAINES, ILL.

highly nitrogenous fertilizer, quick in action but having a tendency to promote a soft growth if not used with caution. Our objection to using it as stated would be for fear of its souring the soil. We advise treating the soil to a liberal application of bonemeal, then, after the plants are well established, use the sheep manure as a top dressing or in liquid form.

C. W. JOHNSON.

Flower Industry in France.

The Syndicat des Horticulteurs gives the production of flowers in the Nice district in 1909 as 7,550 tons, valued at \$5,790,000, the industry employing 18,600 persons. Two special trains transport these flowers daily to the north, especially to Paris, London, Berlin, and St. Petersburg, during the season. The flowers are packed in light willow baskets weighing either 6½ or 11 pounds, and are forwarded to their destination by parcel post. The flowers cultivated for export are chiefly carnations, violets, and anemones, while orange blossoms, tuberose, and jasmine are most extensively used in the perfume factories at Grasse. The production of flowers being more remunerative than farming is the principal reason for the large imports of dairy and farm products into Nice.

In the flower gardens a man earns about 60 cents a day and a woman 40 cents, and in some cases less. A girl flower picker in the district of Grasse earns 20 to 25 cents a day.—Report of Consul William D. Hunter, Nice.

FOXBORO, MASS.—A new heating system is being installed by N. S. Small at his greenhouse plant.

BISMARCK, N. D.—The Hoskins Floral Co. invites the public to inspect their greenhouses Sept. 2 between 2:30 and 5 o'clock. They have five thousand rose bushes and seven thousand carnation plants, which are in very fine condition.

HAMMONTON, N. J.—The commercial growers of this vicinity interested in the cultivation of dahlia blooms for the Philadelphia market have organized the Association of Hammonton Dahlia Growers and elected the following officers: W. F. Bassett, pres.; C. A. Wood, vice-pres., and Edward H. White, sec'y.

WITH THE GROWERS

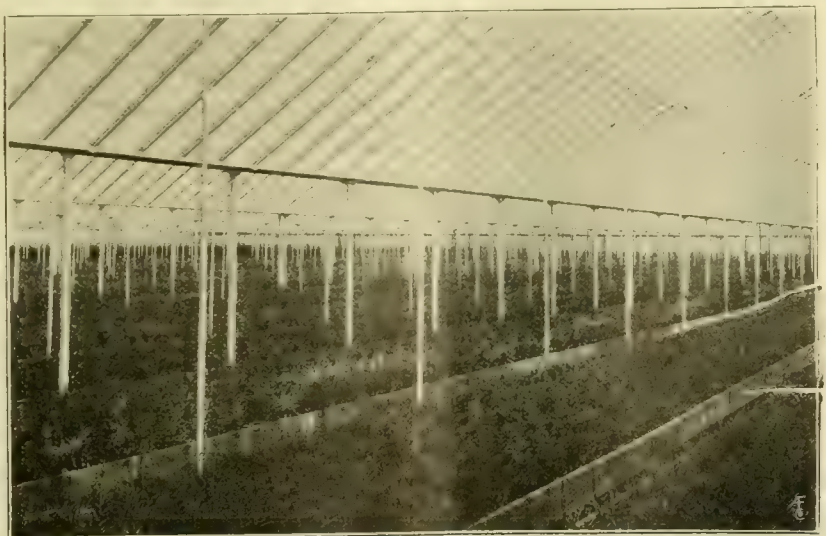
Hoerber Bros., Des Plaines, Ill.

Not so very many years ago, while visiting one of the largest growers of the east and remarking upon the size of his establishment, he, at that time, having about fifteen narrow houses 100 feet long, each with its head house and boiler at the end, the proprietor laid his hand upon our shoulder and said: "Young man, you are going to live to see this business increase until you see greenhouses built that will cover acres all under one roof." How forcibly this prophecy came back to us upon our recent visit to the recently constructed greenhouse plant of Hoerber Bros., at Des Plaines, Ill., where, standing at one end of the range, we could look for nearly 600 feet in one direction and 300 in the other all under one continuous roof, for this establishment consists of twenty-one houses built upon the ridge and furrow plan, ten of which were erected in 1909 and an addition this year of eleven more, covering four acres of ground, and of the most modern construction.

Particularly fortunate in the selection of a site for their establishment about

one mile south of the Des Plaines station, covered with a strong black loam that shows its rich qualities in all the neighboring vegetation, the Wisconsin Central railroad skirts the rear of the property and foresight was shown in placing the greenhouse plant along that part of the property. The large boiler house is in nearly the middle of the range and backs up to the railroad from which a spur track enters the property running to the coal bin so that the coal can be thrown direct from the car into the coal bunker. A 200 H. P. Fairbanks steam boiler has this year been set in addition to the two 150 H. P. boilers used last year, promising adequate steam capacity. Detroit steam traps are installed to empty the returns. An artesian well 1,150 feet deep supplies the water, which is pumped direct to the mains in the houses, a small upright boiler being used for this purpose. A large packing shed and tool house connects the boiler room with the greenhouses, obviating all danger from gas, and fire extinguishers are handy to prevent a calamity.

Foreman J. W. Dunn kindly escorted us through the range and permitted us to obtain the accompanying illustrations. Fifteen houses are planted to



VIEW IN CARNATION HOUSES AT HOERBER BROS., DES PLAINES, ILL.

roses which are in a very fine condition, this year's planting making very good growths and the two-year-old stock showing fine breaks which promise an exceptionally good winter crop. The varieties here grown are those in greatest demand in the market. The varieties and quantities are as follows:

10,000 White Killarney.
25,000 Killarney.
25,000 Bride.
5,000 Richmond.
1,000 My Maryland.

Although the past summer has been far from auspicious for the production of large carnation plants, yet the houses are filled with stock that is of good size, being well branched and beginning to produce bloom of good quality. Some 40,000 plants are now benched in five of the recently constructed houses, and are growing finely, standard varieties in these quantities:

8,000 White Perfection.
8,000 White Enchantress.
4,000 Enchantress.
8,000 Winsor.
8,000 Victory.
4,000 Beacon.

The chrysanthemums were in elegant shape, and a grand cut of fine commercial blooms is assured. The buds are being now taken and this house by the middle of October will be a grand sight. The varieties grown are Early Snow, Polly Rose, Major Bonnafon, Robert Halliday, Mrs. H. W. Buckbee and W. H. Chadwick. All the spare room which can be utilized, such as the ends of the rose benches, is planted with *Asparagus Sprengeri*.

The stock grown at this establishment is placed upon the market at the wholesale store at 51 Wabash avenue, Chicago, where W. F. Hoerber so pleasantly presides, the brother, F. C., having charge of the greenhouse end of the business.

The School Garden Movement.

A paper read by Wm. B. Du Rie, Rahway, N. J., before the Rochester convention of the Society of American Florists, August 16-19, 1910.

It is scarcely necessary for me to mention the fact that the prospects of the school garden movement have materially improved in the last few years. In a former paper, I alluded to some of the difficulties which stood in the way of their introduction in the common schools. One difficulty was the prejudice against innovations. The successful business man, whose opportunities for schooling had been limited in his boyhood, generally dwelt on the value of "the three Rs" to the disparagement of "fads." What was good enough for him 50 years ago ought to be good enough for other people's children now. This idea, however, has not prevented the wonderful progress of the schools in the last decade, not only as to the subjects taught, but in the methods of teaching.

The requirements of teachers as to their preparation for the training of children have made it possible to take up lines of work not possible in the past. In consequence the prospect of finding a place for school gardens has much improved. Manual training, shop work, drawing, sewing, and cooking, as well as nature study, have found their place in the best school systems. Their advantages to the children are now so well established that what were once regarded as inno-

vations and experiments, are now being regarded as necessities. The benefits to children resulting from these changes, from a wholly literary course to one covering a wider range of subjects, wisely chosen, has opened the way for further advancements of a like nature.

Any kind of school work which enables children to do and to see things done is most attractive to them. It inspires thought and effort. It induces habits of industry. It leads them to express their ideas in words, thus helping them in language study. Features of geography and arithmetic can be applied, and their knowledge strengthened in those subjects in connection with manual training, nature study, or school gardening. This is a great advantage, and gives far better results than simply memorizing alone. The success that has resulted from work of this nature is making it easier to effect other changes in the public school courses of study, especially changes which promise similar beneficial results.

The increasing success of the work of the public schools generally, owing to improved methods of teaching, of better supervision and increased attention from school officials, the general public, and the press, has very greatly advanced the prospect of the more general introduction of school gardening. Not that the subject has received much consideration from school authorities, as yet, but that the time is ripe to press the importance of their doing so. Efforts in this direction now, and for a few years, will doubtless bring satisfactory results.

It is not my purpose to enter upon the details of conducting school gardens. We have not the time. Publications on the subject are sufficiently numerous to point out suitable plans for the adoption of those wishing to carry on the work. Courses of study have been prepared and employed with success over a wide range of territory, covering points extending from the Atlantic to the Pacific. The progress of the movement is our subject, and the consideration of what should be done by our body to help the project along should receive our attention. That some of our universities are providing courses to prepare teachers for the work is a matter of great satisfaction, and if our society, and the individual members, will keep in touch with the movement and exert a proper influence, good results will certainly follow. The success attained in nature study and manual training affords our greatest encouragement.

School gardening, to a great extent, will proceed on similar lines. The good effects on pupils, when school gardens become more common, will be seen and felt somewhat in the same way. There is no doubt as to the interest taken by children in the growth of plants under their care. No subject can be made more interesting to the child. The lessons under the qualified teacher, while bringing out many of the wonders of nature, and the arts of assisting nature, afford some of the best means of developing the child. I should not fail to speak of this. I regard it as the most important fact in connection with the subject.

The development of the child in right thinking and acting is paramount to

all else. To lead the child over delightful paths of recreation to the highways of permanent usefulness and happiness is an aim worthy of our best efforts. In this view we all agree; and it would be a waste of time to argue the point. But I ought to mention some of the more striking benefits to come to children and to communities for development on these lines. First I will mention the importance of diverting children from influences and associations common to all communities, especially large cities. The advantage of counteracting the tendency of young people to flock to the cities for employment and amusement. A love of gardening and farming based on a knowledge of the principles and practice which brings success in these occupations, is probably one of the strongest influences which can be brought to bear to prevent congestion in cities, and consequent poverty among the laboring classes. The blessings of fresh air, sunlight, and room, set against the evils of crowded tenements must appeal to the philanthropy which will provide means suitable for instruction along these lines whenever and wherever the advisability of such action is properly presented.

My attention has been called to the fact that seven families from a certain neighborhood of New York were recently induced to move into the country as a result of the interest awakened in their children by attending the school garden in De Witt Clinton park. This garden is under the management of Mrs. Henry Parsons. It was my pleasure to visit it and to see the excellent work done there by Mrs. Parsons and her assistants. I greatly enjoyed the sight of those boys and girls in their most enjoyable occupations. As I grasped what should be the influence upon their lives through their contact with the soil, their work, and the instruction, I felt that the business done on those three acres, more or less, well paid for all the cost in effort bestowed on it. As an object lesson of what can be accomplished by others it is doing a vast amount of good. That must be the justification for devoting such a valuable plot of ground, almost in the heart of the great city, to such use.

Two books on schools have recently been published in New York to which I wish to call attention. They are reviewed in the Newark (N. J.) Evening News, May 21, 1910. I will quote from this review some of the salient points made: "A strong plea for the institution of school gardens is made by Henry Griscom Parsons in the book, 'Children's Gardens for Pleasure, Health, and Education.' The author is secretary and practical adviser of the International Children's School Farm League, and director of the department of school gardens, New York University. Mrs. Henry Parsons, the author's mother, to whom the volume is dedicated, was the founder of the first children's school farm in New York City, and is prominent in the school farm movement."

"He holds to his mother's view point of the purpose of school gardens; that the main object of the gardens is to foster the growth of children rather than merely to grow plants. This new view point is vitalizing the work. It

has given it, says Mr. Parsons, a reason for more general use than it ever had before and wherever children are being educated the possibility of having a garden is now being considered. During the past few years, such gardens have rapidly increased in number, and from now on they are destined to play an important part in the education of children.

"The author, in presenting the advantages of the school garden, insists, among other things, that in it the child is taught by nature economy and thrift, and that he is in a healthy environment and absorbs lessons making for the health of the individual, and the community; and that he gains knowledge of food value, and his happiness is enhanced by congenial work under skillful direction." The book is published by the Sturges and Walton Co., 31 E. Twenty-seventh, New York, at \$1.

"Dr. M. Louise Green is the author of an extremely interesting volume in the 'Russell Sage Foundation' series. The author describes the evolution of the school garden, pointing out its many advantages and possibilities, not the least of which is the effect on the child's character. The activities of school garden work are natural to the child and give much needed respite from school restraint." This book comes from the Charities Publication Committee, and the price is \$1.25. Both of these books are copiously illustrated by photographic views of the work being done in many communities and institutions, and they contain specific directions for conducting different kinds of school gardens.

Both books were copyrighted in 1910. I am in no way financially interested in these books, but I own a copy of each, and I think everyone before me today should read the books at the very first opportunity. Another valuable source of information on the subject can be obtained by communicating with the University of California, College of Agriculture, Berkeley, Calif. Ask for Circular No. 46, containing suggestions in Garden Work in California Schools, by Ernest B. Babcock. This circular contains, in addition, a list of the publications, bulletins and circulars of the agricultural station of the university, 45 in all, any of which will be sent on application.

Every man, every woman, every child, should have a garden, the size and character depending on the individual, and the space at hand. A flower pot, a window box, a small back yard may have to suffice in a city where nothing better can be had. Any place without some suitable spot for the growth of plants, shrubbery or trees is unsuitable for human habitation. The pleasures and the profits, the companionships elevating to body and mind, tend to restrain from all that might demoralize. A lover of good books and a good garden is not likely to go far astray. He will live in and enjoy a beautiful world.

CHASE, MD.—The Ladies' Aid Society of the Ebenezer M. E. Church will hold their fourth annual Harvest Home in connection with the Vincent Dahlia and Flower Show at Cowentown, B. & O. R. R., on September 27, 28, 29 and 30, 1910.

The Fancy-Leaved Caladiums.

The present is the closing installment of Mr. Nehrling's valuable paper, which commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27, 1909, and January 8, February 19, April 19, May 7 and 28 and July 2 and 23, 1910. It brings the history, culture and nomenclature of this important plant right up to date and these back numbers should be carefully preserved for reference.

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Hyways and Byways.

SCRANTON, PA.—T. B. McClintock and family have returned from their summer cottage at Falls, Pa., in the mountain range, about eighteen miles from Scranton. He has purchased an automobile and this week will take a trip to Buffalo in the same, accompanied by his son.—Morey Bros. have finished planting their large range of carnation houses. They suffered severely with the dry summer weather and, while acceptable plants were grown to fill the house, the surplus was small. They report an exceedingly good summer business. Funeral orders prevented their attendance at the Rochester convention.

ELMIRA, N. Y.—Foreman Salyer of the La France Carnation Co., who was formerly with I. G. Marvin of Wilkesbarre, Pa., has nearly finished planting the carnation houses, the dry weather having greatly delayed the work.—At the United States Cut Flower Co. the carnations, roses and chrysanthemums are in very fine shape. The extremely dry summer prevented the usual growth on their carnation plants and they consequently have not as many field grown plants to offer for sale as usual.

YORK, PA.—Charles E. Smith has erected two new greenhouses, one 15x70 and the other 20x120. He will grow a general line of plants in the latter house and devote the smaller to palms.—C. A. Schaefer has added two new houses to his plant, one 20x130, in which he will grow violets, and one 30x130, planted to carnations.—August H. Schaefer is planting his violets into the new house, 12x150, erected this season; the violet plants have made an exceedingly poor growth this year.

WILKESBARRE, PA.—Alfred Baur, formerly of St. Joseph, Mo., is now in charge of I. G. Marvin's greenhouse plant. Carnations are well established and looking fine and Richmond roses are in excellent shape. ABYDOS.

Charles A. Schramm.

Charles A. Schramm of Toledo, O., died at his home Aug. 30. His death removes the last of the family of three brothers who were among the pioneers in the florist business of that city. He was stricken with paralysis a week before his death and later suffered a second stroke from which he never rallied. He is survived by a wife and five children.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

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Protecting Dahlias From Frost.

W. H. Tarbox, East Greenwich, R. I., writes that he employs the following method in protecting his dahlias from the early frosts, thereby extending their season of bloom. On nights that frosts may be expected, about every 100 feet on the west or north sides of the bed, and about 15 feet from the plants, are built bonfires constructed of logs 1 foot in diameter and 2 feet in length, to which is sometimes added one-half bushel of coal to each fire. At 10 o'clock, if the thermometer has fallen to 40° the fires are lighted and this will furnish the necessary protection. By this method he has been able to have fine blooms until Nov. 3, in the New England state.

Correction.

In the Ready-Reference poinsettia advertisement of W. S. Clark, Washington, D. C., in last week's issue, the plants were quoted at \$15.00 per 1,000 when it should have been \$15.00 per 100.

Cement Pots.

Truly, this is the cement age, with cement streets, railways laid in concrete, cement bridges, cement public buildings, cement dwellings and cement fence posts. Cement has been very largely employed in greenhouse construction in recent years for walls, paths and benches. We have had pipe-joints of cement and now we are to have cement flower pots. Elsewhere in this issue attention is called to the fact that Howard & Smith, Los Angeles, Calif., have been granted a patent on cement pots and it is stated that these pots have proved a success, especially in the large sizes, 9-inch to 24-inch.

The common clay pot is a time-honored institution and seems thus far to have held out well against all competitors, including wood, iron, paper and compost. The red clay pot has many things in its favor, not the least of which is its color. The development of its latest competitor will be watched with interest.

The Greenhouse Leaf-Tyer.

On January 17, Wm. J. Rowe, gardener to Joel Sperry of Whalley avenue, New Haven, Conn., brought to the station some caterpillars which were injuring greenhouse cinerarias and daisies by devouring the leaves. The following describes the larva:

Average length 14mm. Average width 3mm. General color, light green along dorsal surface with a light greenish yellow tinge on lateral and neutral surfaces. A narrow dark green median stripe extends along the dorsal surface from behind the head to the last segment. Four rows of bristles on each side of mid-dorsal line extending length of body with one bristle on each segment except the row next to mid-dorsal line on each side, which has two bristles on each segment. Head has a light brown tinge with darker brown spots.

On January 21 one of the caterpillars spun a cocoon and transformed to the chrysalis or pupa stage and the others soon followed suit. The first moth emerged on February 10. The insect proved to be *Phlyctenia ferrugalis* Hubn. (*Rubigalis* Gaen). This species is known as the greenhouse leaf-tyer and according to Chittenden has caused considerable damage to greenhouse and field plants, including vegetables, during the past few years. The larva works on the under side of the leaves, often fastening two together with silken threads or curling the edge of the leaf on which it may be feeding, and enclosing itself in a thin web.

The adult is a slender species with a wing-expanse of about three-fourths of an inch and of a pale reddish brown color, with inconspicuous markings. It is said that there are at least two and perhaps more annual generations outdoors, and more—probably five or six—in greenhouses. There are published records of the occurrence of this insect throughout the eastern states and in California. The list of food plants includes cabbage, beets, celery and tobacco, rag weed, hedge mustard, and a large number of greenhouse and outdoor ornamental plants.

The whitish translucent eggs are deposited either singly or in masses of eight or ten on the under side of the

leaf; they hatch in a period varying from five days to nearly three weeks. The larval period lasts from three to five weeks according to temperature and the pupal period usually about two weeks. The adults fly just before sundown and usually rest during the day on the under side of the leaves of the plants, upon which the larvæ feed. When at rest the wings are folded in the manner common to most pyralid and deltoïd moths.

Wherever much damage is done or the caterpillars are sufficiently abundant to cause apprehension, the plants may be poisoned by spraying them with lead arsenate or by dipping them into the liquid. The poison should be mixed at the rate of about one pound in 10 gallons of water. Where spraying is practiced it is necessary to apply the poison to the under sides of the leaves. Chittenden advises fumigating the house in serious infestations and gives directions for carrying out the treatment. For general fumigation from one-tenth to fifteen-hundredths of a gram of 98 per cent potassium cyanide for each cubic foot of space should be used.—Report Conn. Agr. Exp. Sta.

Chrysanthemum Society of America.

OFFICIAL JUDGING SCALES.

Commercial.		Exhibition.	
Color.....	20	Color.....	10
Form.....	15	Stem.....	5
Fullness.....	10	Foliage.....	5
Stem.....	15	Fullness.....	15
Foliage.....	15	Form.....	15
Substance.....	15	Depth.....	15
Size.....	10	Size.....	35

Total.....	100	Total.....	100
Single Varieties.....		Pompon Varieties.....	
Color.....	40	Color.....	40
Form.....	20	Form.....	20
Substance.....	20	Stem and Foliage.....	20
Stem and Foliage.....	20	Fullness.....	20

Total.....100 Total.....100

Single varieties to be divided in two classes, the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.,
Morgan Park, Ill.

Meetings Next Week.

Boston, Mass., September 20.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., September 19, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., September 19.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., September 23, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., September 19, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

Newport, R. I., September 21.—Newport Horticultural Society.

Providence, R. I., September 19, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, September 20.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., September 20.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., September 20, 8 p. m.—Minnesota State Florists' Association, 519 Snelling avenue, north.

Toronto, Ont., September 20, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Ansonia, Conn., September 17, 1910.—Annual dahlia exhibition, Intertown Dahlia Association, Assembly room, City Hall.

Boston, Mass., September 23-25, 1910.—Autumn exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston. Address Wm. P. Rich, Horticultural Hall, Boston.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, First Regiment Armory, Michigan avenue and Sixteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., September 22-23, 1910.—Dahlia exhibition. Connecticut Horticultural Society, Unity Hall. Address Geo. W. Smith, Melrose, Conn.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Address Geo. W. Smith, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Barr, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. Address H. Carey, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Clubs, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., September 15-17, 1910.—Annual fall exhibition of the New Bedford Horticultural Society, Odd Fellows hall. Address E. E. Pierce, New Bedford, Mass.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicoll street, New Haven, Conn.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Egelson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show. Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1632 Alleen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28.—Annual flower show, Dutchess County Horticultural Society.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto C. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young man, 5 years experience; two in greenhouse and three in store.
M. D., 1514 W. Chicago Ave., Chicago.

Situation Wanted—By German; married; gardener and florist; experienced in nursery, orchard and vegetable grower; sober and reliable; best of references; would like to take full charge of place.
ERNEST GROSCHUP
4431 Stuart St., Denver, Colo.

Situation Wanted—By sober young man, 25; life experience as grower of cut flowers; capable of taking charge; would prefer position in store; some experience in designing and decorating; north-west preferred; state wages. Address
Key 204 care American Florist.

Situation Wanted—By florist, 29 years of age; 14 years' experience in growing roses, carnations, 'mums and pot plants; able to take charge; best of references; state wages in first letter; prefer western states. Address
A. SCHOLZ, Gen. Delivery, Tacoma Wash.

Help Wanted—Thoroughly experienced greenhouse man as assistant on private place; single; must have references. Address
1918 E. 40th St., Cleveland, O.

Help Wanted—Two young men with knowledge of ornamental nursery stock; furnish references; steady place for right parties.
VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Two experienced young ladies to help in retail florist store. good wages to right parties. Enquire
GEO. PERDIKAS 286 Wabash Ave., Chicago.

Help Wanted—A No 1 man; one of good appearance and capable of waiting on high class trade; reference required and photograph if convenient
Key 206, care American Florist.

Help Wanted—For September 1, young man to take charge of bulb growing department; steady job if handy in perennials; must be reliable and sober; near Chicago.
Key 197, care American Florist.

Help Wanted—At once, a young man to assist me as an all-around greenhouse helper; state wages expected in first letter; also references.
EDWARD TATRO,
407 East Iron Ave., Salina Kansas.

Help Wanted—At once a good fast potter; one who has had experience in growing a general line of stock; state wages wanted; only sober, steady man need apply.
STUFFY FLORAL CO., St. Joseph, Mo.

Help Wanted—Man to work in florist store in New York city; with good references; one who is willing and who understands the florist business. Also would like to employ a young lady or lady who understands the florist business; with good references. Address
Key 200 care American Florist.

For Sale—Model boiler, No. 530; good condition; cheap. Address
Key 201, care American Florist.

For Sale—Well established retail seed store; location: Cleveland (Ohio).
Key 215 care American Florist.

For Sale—Hippard steam trap; good as new; in use two years, will take care of 25,000 feet of glass.
JOHN A. KELLER Lexington, Ky.

For Sale—Good greenhouse and market garden business; will sell reasonable, \$500 down, balance easy terms; reason for selling, have other business.
R. W. WEIDMANN, Fort Morgan, Colo.

For Sale—A well-established retail flower and seed store; splendid opportunity for the right party; easy terms; owner has other business; Pacific coast. Address
Key 202, care American Florist.

For Sale—Two second hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.
SUPERIOR MACHINE & BOILER WORKS
840-850 W. Superior St., Chicago.

For Sale—One good second-hand Ericsson hot-air pumping engine; this engine is in first class condition, capacity 500 gallons per hour; reason for selling, well worn dry and I have put in city water; price cheap write at once to
E. H. MARSHALL Florist, Sabetha Kan.

For Rent—Four greenhouses and lots one half block from car line; good location; northwest side.
R. VIRUS,
534 Leland Ave., near Milwaukee Ave., Chicago.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs Iowa.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address
Elm City Nursery Co., New Haven, Conn.

Seedsman Wanted.

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well established nursery business. Address, giving full particulars,
Elliott Nursery Co., Pittsburg, Pa.

Help Wanted.

High-class florist, maker up, an excellent salesman, to take charge of an up-to-date new flower store; wages, \$20 a week to start; good opportunity for the right man; must give bond or security for honesty; sobriety insisted upon.

Key 203, care American Florist.

WANTED.

A working foreman to take charge of 50,000 square feet of glass where roses, carnations, 'mums and bedding plants are grown; wages \$16.00 per week; send references, age, etc., in first letter; position open about Oct. 10. Also a helper to grow carnations; wages \$12.00 per week to start.

W. W. COLES, Kokomo, Ind.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

CALIFORNIA

Party with \$2,000 to \$7,000 to invest can obtain a fine connection in old established and prosperous business having splendid properties.

Party must be energetic, and with some knowledge of the florist, nursery and seed trade, or having other business ability. Useless to answer unless you can prove qualifications in first letter.

Key 196, care American Florist.

GARDENER WANTED.

Thoroughly competent man to take charge of place in which roses, carnations, chrysanthemums, orchids, general stove and greenhouse plants and fruit are grown. There are 10 houses on the place, including conservatory and palm house, with two assistants and night watchman and other help as needed. Married man preferred, one without children or with only small family. Only men of the best habits and character considered. Address, stating wages and full particulars.

Key 198, care American Florist.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

WE ARE CUTTING LARGE CROPS OF FANCY ROSES

Good Short Roses, our selection, \$20 per 1000

CURRENT PRICE LIST:

AMERICAN BEAUTIES

Extra long specials.....	Per doz. \$3 00 to \$4 00
36 inch.....	12 50
24 to 30 inch.....	2 00
15 to 18 inch.....	1 50
12 inch.....	1 00
Shorter...per 100, \$4 00, \$6 00	

Killarney, long.....	Per 100 \$8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Richmond, long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
My Maryland, long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00

White Killarney, long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Cardinal, select.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Perle, medium.....	4 00 to 6 00
Short.....	2 00 to 3 00
Carnations.....	2 00 to 3 00
Chrysanthemums, Golden Glow.	
yellow; October Frost. white	
.....\$1 50 to \$2 00 per doz.	

Asters, good, outdoor.....	2 00 to 3 00
" short outdoor.....	75 to 1 00
Orchids, Cattleyas per doz., \$7 50	
Harrisii Lilies.....	12 00
Valley.....	3 00 to 4 00
Gladioli.....	3 00 to 5 00
Plumous Sprays, Sprengeri.....	2 00 to 3 00
Plumous Strings, extra long.	
.....per string, 60c	
Smilax...per dozen, \$1 50 to \$2 00	
Galax.....per 1000, 1 00.	
Ferns, fine, new.....	1 50
Adiantum Croomianum.....	75 to 1 00

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specially.
Can supply them all the year.
Once tried you will have no other.

Chicago.

ROSES ARE GOOD.

The conditions of the market are fast approaching that stage that can be best described by the old farmer's saying, "between hay and grass." The outdoor stock is rapidly approaching its end and the greenhouse product has not yet attained the title of being of good quality. Roses are by far the best stock that is offered upon the market and some of the wholesale growers really have some superior flowers to show their customers. Killarneys, that would be called first class stock later in the season, and of a color that would satisfy the mid-winter buyer, are seen on some of the counters in the early morning, but they are finding ready sale and soon disappear. American Beauties, both short and long, are quite plentiful and of very good color. Carnations are poor, the recent rains having nearly ruined the outdoor stock, and the blooms that are coming in from the greenhouses are nothing to boast of as yet. Chrysanthemums are now to be seen at all the stores, Golden Glow being the principal offering, but October Frost made its appearance this week at two of the wholesalers. Lily of the Valley is to be found in good, bad and indifferent grades. Some very fine Lilies are on the market of the longiflorum type, and are very acceptable to those having nice work. Auratum and lancifolium are both on sale, but the quality is far

below the former variety. Marguerites of very good quality are also to be seen.

The outdoor products are beginning to decline and the weather of the last few days has assisted greatly in their deterioration. Asters are far from good, very few Al stock can be found, and while there are large shipments being secured every morning, the greater part are of an inferior grade. Gladioli are received in large quantities and some very good stock can be bought, but the blooms are hardly as good as have been offered recently. The light colors are selling well. Some few offerings of dahlias were noted, but they are not yet good enough to attract much attention.

NOTES.

The Richmond roses cut at the Peter Reinberg houses are of fine quality and of exceptionally good substance as is attested by letters of approval received from their customers to whom they are shipping. This establishment are also cutting Mrs. Marshall Field roses and their American Beauties are of their usual good quality.

J. B. Deamud & Co. is disposing of large quantities of gladioli, particularly of the variety Francis King. They are dealing heavily in all the florists' greens and filling large orders of southern smilax. Outside demands are reported good and the shippers are kept busy.

Kennicott Bros. are receiving large consignments of asters and gladioli and

some extra fine boxwood is being offered by this concern. Michael Lynch of this establishment reports business good and shipping trade excellent.

Budlong's roses are of their usual good quality, the American Beauties being exceptionally fine. Their carnations are improving daily and they are now receiving some of the best and longest stem flowers in the market.

Vaughan's Seed Store trial grounds at Western Springs are very interesting and attractive just now, the cannas and asters, and tests of miscellaneous novelties, being especially worthy of inspection at this time.

E. H. Hunt is receiving large shipments of fine Killarney, Bride and Bridesmaid roses. The supply department is exceedingly busy.

N. P. Miller, of the J. B. Deamud Co., will celebrate the twenty-fifth anniversary of his wedding September 15 at his home in Wilmette.

C. Clemenson, 7801 Railroad avenue, reports business as good. A very pretty home decoration on Grand avenue was arranged this week.

H. Van Gelder, of Percy Jones', is offering a very good grade of white asters which are eagerly sought by the trade.

Zech & Mann are exceptionally strong on lilies and carnations, and their roses are up to their usual standard.

John Krutchen presents some of the finest carnations in the market for the inspection of his customers.

BEAUTIES

**Killarney, Maryland, Rhea Reid, Richmond,
Maid, Bride and Perle**

Also New Fancy Carnations

—PRICE LIST—

AM. BEAUTIES,	Per doz.
36 in. and over.....	\$3 00
24 to 30 in.....	\$2 00 to 2 50
18 in.....	1 50
12 to 15 in.....	1 00
Shortstems, per 100,	4 00 to 6 00

ASTERS, according
to size.....per 100, \$2 00 to \$4 00

HARRISII LILIES.....per doz., \$ 1 50
".....per 100, 12 00

**Maryland, Richmond, Killarney,
White Killarney, Kaiserin.**

	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	2 00 to 3 00
Extra select Kaiserin....	8 00
ROSES , our selection...	2 00

FANCY CARNATIONS,
Pink and White..... 2 00 to 3 00

White and Yellow 'Mums,

per doz.....	\$2 00 to \$3 00
Lily of the Valley ... 100,	3 00 to 4 00
Asparagus.....per string,	60
" Sprays, per 100,	\$3 00 to 4 00
Sprenger.....per 100,	2 00 to 3 00
Ferns.....per 1000,	1 50
Smilax.....per doz.,	2 00
Adiantum.....per 100,	1 00
Galax, green.....per 1000,	1 00
" bronze.....per 1000,	1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

**Greenhouses:
Hinsdale, Illinois**

Vaughan & Sperry's stocks are of very good quality and being received in abundance, and their boxwood is of excellent quality. The senior member of this firm has just returned from a visit to their shippers at New Castle, Ind., and reports the stock there in the best of condition. This concern will handle the entire output of William Dittman, whose American Beauties are claimed to be the best he has ever grown. A large shipment was made this week to the Kentucky state fair, which was held at Louisville, Ky., by this establishment.

Charles W. McKellar is offering some very beautiful orchids to the trade which are being shipped to him from the east. The varieties received are Cattleya Labiata, Dendrobium Formosum and Oncidium Varicosum Rogersii. The demand for these beautiful flowers at this season is fully equal to the supply, and the receipt of some 200 received September 10 was disposed of within an hour of their arrival. A large consignment arrived September 14.

A. L. Randall Co. is receiving large quantities of all the different flowers of the season, an exceptionally good quality of Killarney roses and some fancy lily of the valley being seen. A large force of carpenters are now at work renovating the premises. The office is to be removed to the third floor and much enlarged and the space occupied by the present office will be used for cut flowers, giving this department the much needed room.

Poehlmann Bros. are supplying their customers with as fine grade of roses for this season of the year as is often seen. Their Killarneys are of an exceptionally bright color, equal to some mid-winter grown. The first of a cut of Cattleyas are being now received and a good supply is promised later. Carnations are very good and Golden

Glow and October Frost Chrysanthemums are among their offerings this week.

Edward H. Blameuser, the well known carnation specialist of Niles Center, Ill., was a visitor Sept. 14. He has 35,000 feet of glass exclusively planted to carnations. He is to be congratulated upon the efficient work of the fire department of his town on the night of Sept. 6, when the shed adjoining his property, caught fire during the burning of three large buildings in his vicinity.

Bassett & Washburn report a very busy week. Some large shipments were called for from their customers at De Kalb, Ill., who furnished the flowers for the funeral of Col. Elwood of that city. They are offering this week some very fine white chrysanthemums. October Frost, this variety is more than ten days earlier this year than in previous seasons, their first blooms being cut Sept. 7.

The retailers are beginning to place their flowers before their customer's eye and the displays of plants which have filled the windows for the past two months are being gradually withdrawn and vases of roses and seasonable blooms are filling their places to tempt the public's appetite.

J. Mangel had a very handsome window this week, the display of nymphaeas attracted the passers-by and a beautifully arranged wreath, composed of nymphaeas and gladiolus resting upon an easel at the base of which were highly colored crotons was a very attractive feature.

Albert Weisenberger, formerly with G. Henry Smith, Walkerville, Ont., and many years with Howard Willett, White Plains, N. Y., is now head gardener to J. Ogden Armour, Lake Forest.

Kyle & Foerster have finished renovating and are looking finely in the

new coat of white paint. A good quality of roses and carnations can be found on their counter as well as a fine stock of florists' greens.

The Horticultural Society may yet secure the Coliseum for the flower show as it is understood the land show has been postponed. The date of the flower show will be November 7-12.

Wieland & Risch are cutting carnations and roses of good quality. Some very fine chrysanthemums are received at the store and they expect to have them in quantity very soon.

Ludwig & Fehrman, 2150 Foster avenue, have completed their new greenhouse, 20x60 feet, which they have planted to chrysanthemums.

J. F. Czarnick & Co., 1514 W. Chicago avenue, report an exceedingly busy week, weddings and funeral work occupying their attention.

Weitor Bros. received an order for 10,000 carnation plants from Will Bros. of Minneapolis, Minn., this week which was promptly executed.

A. Christiansen, formerly with the Chicago Carnation Co., has accepted a position with H. C. Rowe, 42 E. Monroe street.

We were very sorry to miss John Poehlmann from the store this week, a bad cold incapacitating him from business.

The Luxemburg Brudenlund realized the neat sum of \$3,000 from their annual Schobermesse, held September 4-5.

A. W. Glaser, of Dubuque, Ia., accompanied with his wife, was a visitor to the city September 10.

Vaughan & Sperry's increasing business has compelled them to install an additional telephone.

Miss C. M. Burr has sold her business at 1377 East 55th street to Francis N. Moore.

The Chicago Rose Co. is offering a very good quality of roses and asters.

American Beauties in Full Crop

We are the biggest Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

CURRENT PRICE LIST

American Beauties,	Per doz.
Long stems.....	\$3 00
30-inch stems.....	2 50
24-inch stems.....	2 00
20-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
Richmond, select.....	\$6 00
medium.....	\$4 00 to 5 00

	Per 100
Killarney, select.....	6 00
medium.....	4 00 to 5 00
Mrs. Marshall Field, select.....	\$6 00
medium.....	\$4 00 to 5 00
Bridesmaid.....	4 00 to 5 00
Bride.....	4 00 to 5 00
My Maryland, select.....	6 00
medium.....	4 00 to 5 00
Chatenay.....	5 00
Ivory.....	5 00

	Per 100
Asters.....	2 00 to 3 00
Valley.....	3 00 to 4 00
Easter Lilies.....per doz.,	1 50
Asparagus Plumosus,	
extra quality..per bunch,	50
Fancy Ferns.....per 1000,	1 50

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

T. C. Yarnall, chairman of the committee on sports, states that the Florists' Club bowling league will open its season on September 26 at Flenner's alleys, corner of Monroe and State streets. The accommodations are better than last year and much pleasanter for the ladies that attend. A meeting will be held September 16 to decide on the personnel of the teams and it will be so arranged as to make them as equal in strength as possible. The league will consist of four teams as usual.

Wm. Graff of Columbus, O., is visiting friends and relatives here, the present week. Mr. Graff states that their place of business has been remodeled and that they have had a very busy season. The strike of the street car employees affected business some but on the whole the season was better than last year.

The picnic given by the employees of the Poehlmann Bros. and Wietor Bros. establishments on September 11 at Wayside Inn, Morton Grove, was a great success and, needless to say, everybody had a good time. Automobiles made regular trips every 15 minutes from Clark street and Devon avenue.

G. R. Riemersma, 7111 Indiana avenue, has nearly completed the erection of greenhouse, 31x86 feet, the material for which was furnished by the John C. Moninger Co. Their house will be devoted to the growing of cut flowers and bedding plants and the stock in all the houses is now in fine condition.

At E. C. Amling's some exceptionally fine Liliun Harrisii were seen this week, the flowers having unusual substance for this time of the year. Killarney roses, both white and pink, and American Beauties of excellent color and quality were noted.

Hoerber Bros. are handling a very good quality of Killarneys, Bride and Richmond roses, and also a very good grade of carnations, of which they marketed their first cut September 13. Business is improving.

George Reinberg is receiving some very fine white and pink Killarneys, Richmond and Bride roses and their American Beauties are exceptionally good. Carnations are improving rapidly and are among the finest on the market.

D. Freres, at the Flower Growers' Market, is handling an excellent stock of Killarneys, Jardine, Richmond and



ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.** Send for Quotations.

CHAS. W. MCKELLAR
51 Wabash Avenue.
CHICAGO.

Maryland roses which were brought in by Adam Zender of Rogers Park.

Mrs. A. Kindler and son, Curt, of the Raedlein Basket Co., 713 Milwaukee avenue, returned Sept. 3 from a month's outing at Fox Lake.

Frank Johnson, of A. L. Randall & Co., returned September 12 from his western trip. Good business and an enjoyable time are reported.

Miss H. Tonner, at the Flower Growers' Market, is this week offering a very good grade of roses and carnations.

E. F. Winterson & Co. are receiving large consignments of asters and gladioli of very good quality.

Wietor Bros. are receiving some fine roses and carnations from their greenhouses.

Visitors: A. C. Rott, Joliet, Ill.; Wm. Femiger, Toledo, O.; Alexander of Lion & Co., New York; George W. Moore, of A. A. Vantine & Co., New York; Wm. Graff, Columbus, O.; — Will of Minneapolis, Minn.; N. H. Long, Dixon, Ill.; W. H. Troyer, Elkhart, Ind.; E. Fancourt, of Philadelphia, Pa., and E. C. Blameuser, of Niles Center, Ill.

St. Louis.

STOCK IMPROVING.

The weather has cooled off considerably and things have commenced to move a little. All theaters are now open and the new Princess Theater opens Monday, which will be quite a society event. The supply of all kinds of flowers are increasing and quite a few go to the dump, but this is only with the poorer grades of stock. Of good and fancy stock there is a shortage. Carnations are improving, the cool nights helping considerably. The local rose growers are starting to cut and some nice clean stock is had from this source. Some very fancy long-stemmed asters are in and six cents is easily obtained for these blooms. Tube roses and gladioli are still plentiful. Greens are arriving in good supply.

NOTES.

The Florists' Club held its meeting last Thursday at Weber's Nursery, thirty-five members and ten ladies attending. Wagons were on hand at the end of the street car line to convey the parties to the Nursery. This meeting was known as the installation meet-

We Have Ample New Houses To Produce Large Supplies of High Grade Cut Flowers DURING THE SEASON OF 1910-11.

Our plants are all in the finest possible condition and include
the following:

ROSES

WHITE KILLARNEY	10,000
KILLARNEY	25,000
BRIDE	25,000
RICHMOND	5,000
MY MARYLAND	1,000

CARNATIONS

WHITE PERFECTION	8,000
WHITE ENCHANTRESS	8,000
ENCHANTRESS	4,000
WINSOR	8,000
VICTORY	8,000
BEACON	4,000

Better consult us now about your needs and get in on the ground floor.

Hoerber Bros.,

Telephone Randolph 2758
Greenhouses, Des Plaines, Ill.
Store, 51 Wabash Avenue,

Chicago

ing. The following gentlemen were elected: John Cannon, president; Frank Weber, vice-president; J. J. Beneke, secretary; W. C. Smith, treasurer; E. W. Gay, trustee; the last named was unavoidably absent and will be installed at the next meeting. General business routine of the meeting was gone through. Various committees reported. Quite a few of the members who attended the S. A. F. convention at Rochester talked about their trip. After the meeting was over the Weber Brothers escorted the visitors through the greenhouses and inspected their recently built new storage house. Everyone was delighted and expressed their approval of the well kept houses. Their roses are coming on nicely. After going the rounds refreshments, sodas and liquids were dispensed and a jolly time for all was indulged. A vote of thanks and three cheers were given to the entertainers.

F. H. Weber has tendered his resignation on the executive committee of the Horticultural Society, also as chairman of the Sales Booth Committee of the coming Flower Show. This is to be very much regretted as Mr. Weber has always been a very urgent worker and contributed largely to the success of our flower shows.

Alex. Siegel has returned from his cottage at the Northern Lakes. Every one was glad to see Alex. as he is sure to be around when anything is stirring. There is now business at the bargain counters.

Some very fancy asters were seen at Angermueller's during the past week. He is now moving his florist supplies up to the second story, thus giving him more space for the cut flower display.

C. Beyer's improvements have given him increased trade. His supply of decorative and other plants is always of the best. His location is fast becoming a growing business center.

W. M. Meyer is building another house, 18x110 feet for violets and carnations. He is now cutting some good enchantress from his other houses.

Otto Sanders at the Maryland Hotel reports trade as picking up, although trade has been slow all summer, it was better than he expected.

The Retailers' Association will meet this coming week, when matters of importance laid over from the last meeting will be discussed.

John Bubach, with Lion & Co., New York, is with us. Will remain until next Sunday evening.

The Metropolitan Floral Co. is mailing out some very well worded introductory circulars.

H. G. Berning is moving into his new residence in the west end of the city.

C. C. Sanders has returned from his vacation and is attending to business.

W. F.

Milwaukee.

PROSPEROUS MARKET.

Market conditions very prosperous. Everything selling well, roses are still keeping up to grade in quality and enough to fill all orders. There are a few more carnations making their appearance which are being cleaned up at sight. Gladiolus are still about the most plentiful thing in the market. Harrisii Lilies scarce. Asters are plentiful, mostly of the shorter grade. Good stock is bringing fair prices. Enough American Beauties to supply the demand.

NOTES.

E. P. Dilger has a house of Salvias which look very promising. He has planted these for an experiment and expects to cut same about the time the out-door stock has given out. He also has another novelty which he is trying, which is a bench of White Storm

Dahlias, the same are entirely covered with buds. This grower makes a specialty of forcing a large amount of bulbs. He received his shipment of bulbs on Monday and is getting busy putting them in shape.

H. W. Koerner, the Milwaukee's Specialist on Gladiolus and Dahlias, has just returned from the State Fair of Minnesota, which took place last week. He went there to exhibit some of his new varieties and came back reporting everything satisfactory.

This is the week of State Fair and the different florists and seedsmen are making preparation. There are quite a number of florists that have planted flower beds at the fair grounds which are out for competition and they are looking forward for results.

The store of Holton & Hunkel Co. is now ready for the painters, and after this is completed they will, no doubt, have a fine store. This firm is cutting some fine Kaiserin and a nice cut of American Beauties, mostly of a medium grade.

The store of Edlefsen-Leideger Co. certainly looks wonderfully improved. As their new front has given it an entirely different appearance. This firm reports business brisk.

Miss Zender, who has been visiting at the home of F. H. Holton, returned to her home in Chicago after a pleasant visit to Milwaukee.

Heitman & Baerman are commencing to cut some nice clean stock of Asters, which are being readily disposed of at the market.

Mr. A. Liedeger and wife have returned from a trip on the Hudson and New York, and report having had a good time.

Visitors:—Mrs. E. O. Lovell, Grand Forks, N. D.; A. F. Amling and family, Maywood, Ill.; H. Will, Minneapolis, Minn.

G. R.

Get The Habit

of buying your **BEAUTIES** where you can always be sure of getting the best and at all seasons. We handle **Dittmann's New Castle Stock**, which ought to be a guarantee to any buyer who is looking for quality. Our growers are just coming in cut with the best grade of **Orchids (Cattleya labiata)**, **Valley, Asters, Gladioli** and **Easter Lilies** in full supply, and for quality there is nothing to beat them on this market. The **Roses** are improving right along, and cannot be beaten.

CURRENT PRICE LIST

American Beauty	Per doz.		Per 100		Per 100
Long stem	\$3 00	Bridesmaid	\$4 00 to \$5 00	Carnations	\$ 75 to \$2 00
30-inch stems	2 50	Bride	4 00 to 5 00	Valley	3 00 to 4 00
24-inch stems	2 00	My Maryland, select	6 00	Easter Lilies	10 00 to 12 00
20-inch stems	1 50	medium	4 00 to 5 00	Sprengerli	.25c to 35c per bunch
15-inch stems	1 25	Chatenay	5 00	Asparagus Plumosus	
12-inch stems	1 00	Ivory	5 00	extra quality per bunch	35c to 50c
Short stems	\$4 00 to \$6 00 per 100	Asters	75 to 3 00	Fancy Ferns	
Richmond, select	\$6 00	Gladioli, named varieties	5 00 to 6 00	per 1000	\$1 50
medium	\$4 00 to 5 00	in mixture	1 50 to 2 00		
Killarney, select	6 00	Roses, our selection	3 00		
medium	4 00 to 5 00				

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Pittsburg.

STOCK IMPROVING.

In some respects the market is somewhat better than at the last writing, yet nothing much to boast of.

Asters have been arriving very much weather beaten, the heavy rains followed by extremely hot weather surely put a crimp on them. The wholesalers were kept on the jump sorting and re-benching, getting them in salable shape. That is past now, as the stock is coming in all right again.

Gladioli are coming in fine and are cleaning up nicely. Very fine Golden Glow Mums are seen, but the quality and size hasn't much on some fancy Asters in this market.

Rubrum Lilies are coming in but find slow sales. Good smilax is very scarce, all other greens, asparagus, sprengerli, and adiantum ferns are very plentiful.

Answering the query what effect Labor Day has on the flower business here, we would be better off without it, as business is tied up just at the important time of day, causing all kinds of inconvenience to retailer and wholesaler, which means a loss of business to both.

NOTES.

Henry Klunders, of Randolph & McClements, has the sympathy of the trade in the loss of his son, Frederick Klunders.

B. F. Engle, of Rochester, Pa., had a magnificent floral float in the old home week parade of that place.

C. Peterson and family, of East Liverpool, Ohio, have embarked on a trip through the golden west.

G. Manos, of the Union Station Florist, is putting in a fine ice box and show case combined.

M. B. Schreiber, of McDonald, was a business caller in town today and reports business very good.

Harvey Sheaf, manager for Mrs. E. A. Williams, is taking an extended trip through the east.

F. H. Westhoff, of Westhoffman, is cutting some very nice roses from his new plants.

L. T. Neff of Bellevue, has been very busy with funeral work the last few days.

Thos. Fitzgerald, of Beaver, Pa., won the first prize for the best decorated auto.

The McCallum Co. are handling some fine carnations for the time of year.

J. Gerwig and wife are spending a couple of weeks at Westford, Pa.

John Harris, of Harris Bros., spent a few days in Cumberland, Md.

C. Pyros has opened a new flower stand in the Oliver building.

E. C. Ludwig, of the North Side, reports lots of funeral work.

P. Mair, of Woodville, has been cutting some very fine lilies.

Wm. Loew was very busy Friday with funeral work.

J.

Cleveland.

BUSINESS GOOD.

Business the past week has kept up pretty well. Stock has been plentiful with the exception of pink roses, which seemed a little scarce in supply. Beauties are beginning to arrive in better shape, though the new crop is still in the shorter grades. Dahlias are not yet of the best, those arriving up to date being short in stem and small flowers. A few Golden Glow Chrysanthemums are on the market. Swainsonia of exceptionally good quality is on the market. Asters are very plentiful, of all grades, good, bad and indifferent, and many of them go by the back door route. Carnations are gradually improving. Greens of all kinds are plentiful. Gladioli has sold well this season.

A new retail flower store has been opened in the Taylor Arcade, known as "Taylor Flower Shop." Mr. Schoen, formerly of the J. M. Gasser Co., will be manager. Mr. Schoen has been connected with the florist business for many years, and is considered a very able man, both in design and decorative work.

C. B. Wilbeling spent a few days at Detroit and the St. Claire Flats. Mr. Wilbeling has been troubled with hay fever and his doctor advised him to take a trip up the river.

Jones-Russell Co. took first prize in the Horse Parade on Labor Day. Nauman & Son took second.

William Bramley & Son are the latest who have added an automobile to their establishment.

C. B.

JOLIET, ILL.—A. C. Rott, won first prize in practically everything at the flower exhibit of the fair given by the Agricultural Society last week. His booth, 20x40 feet, was prettily arranged and was one of the features of the floral department. Mr. Rott, superintendent of the floral part of the fair for the last two years, was selected by the fair officials to again take charge in 1911.

Pasadena Gardeners' Association.

Members of the Pasadena Gardeners' Association were invited guests of Howard & Smith at their extensive nurseries at Montebello, August 29, about eight miles from this city. Fifty members of the society and quite a number of their wives and sweethearts responded to the cordial invitation of this progressive firm. Included among the visitors were representatives from Santa Barbara and surrounding cities. The forenoon was passed inspecting the extensive nursery and admiring the high quality of the stock grown, consisting of 20 acres of roses, 10 acres of flowering shrubs, plants and bulbs, including cannas of the best type for this climate.

Attention should also be called to the very large stock of kentias in 2-inch to 24-inch pots, all grown under lath, the large stock of Cocos plumosa and other choice decorative varieties of which this firm makes a specialty. Mention should also be made that the firm has been recently granted a patent on cement flower pots which have proved to be a success, especially the large sizes, from 9-inch to 24-inch. The pots are quite porous, but the evaporation is such that they do not dry out like the ordinary clay pots, thereby holding the moisture better for the plants, and come much cheaper in the larger sizes.

At 1 p. m. a bountiful luncheon was served by Mrs. Howard, ably assisted by the visiting ladies, after which speeches were delivered on horticultural subjects by Dr. Houghton, a noted botanist of this section, Messrs. Dietrich, Blake, Pegg, Fred Howard, Farrell, J. G. Morley, Otto Heusche, president of the association, and others. A rising vote of thanks was extended to the firm for the entertainment, and also to Mrs. Howard and the other ladies.

In the afternoon the visitors were taken over to the adjacent rose growing establishment of Dietrich & Turner, which is the best constructed of any west of Chicago. This firm has been very successful, commencing with two houses, 55x300 feet, and are now adding another house, 55x300 feet. This speaks well for a firm that has only been in business 18 months.

DAYTON O.—W. G. Matthews was unusually successful with his numerous exhibits at the recent county fair.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., **CHICAGO**
Long Distance Phone Central 3155.

Percy Jones

60 Wabash Ave., **CHICAGO**

Providence.

STOCK VERY PLENTIFUL.

The business for the past week has not been so good as the two weeks previous, and prices have a downward tendency, with stock very plentiful and of a first-class quality, excepting carnations, of which the supply is very short at present. Labor Day caused no flurry in the business and all the stores closed at mid-day with a driving rain coming down for two hours.

My Maryland, Killarney, Richmond, Kaiserin and Pres. Carnot roses are coming in of a extra good quality and very plentiful. Asters are the most desirable flower at present, and the quality has been very fine. Some extra fine specimens are to be had and are used very extensively in funeral work and decorative purposes. The poorer grades of blooms find small favor with the buyers and many slaughterings are made to make a clean-up.

Gladioli are not plentiful and the light colored ones are bringing better prices than in the past.

Dahlias are coming in very plentiful and some very fine flowers are to be had at very reasonable prices. Some Chrysanthemums Golden Glow are coming in, but the demand for them is not brisk yet.

Lilies are good and the demand is fully up to the supply.

Violets have made their appearance, but are not of a first-class quality, and only a limited quantity as yet.

Orchids are rather scarce and the demand light.

Gardenia receipts are increasing and there is a somewhat better demand for them.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 14.		
Roses, Beauty, extra select...	3 00	
" " specials.....	2 50	
" " 36 in.....	2 00	
" " 30 in.....	1 50	
" " 18 in.....	1 25	
" " 15 in.....	1 00	
" " Short.....	50@ 75	
Per 100		
" Bride, Bridesmaid, select..	3 00@ 8 00	
" " medium.....	2 00@ 2 50	
" Killarney, select.....	3 00@10 00	
" " medium and short.....	2 00@ 2 50	
" Kaiserin.....	3 00@10 00	
" Mrs. Jardine.....	3 00@10 00	
" Chateau.....	2 00@10 00	
" My Maryland.....	2 00@10 00	
" Perle.....	2 00@10 00	
" Richmond.....	3 00@10 00	
" Uncle John.....	3 00@10 00	
" White Killarney, select.....	4 00@10 00	
" " medium.....	2 00@ 3 00	
Carnations.....	75@ 3 00	
Asters.....	50@ 3 00	
Chrysanthemums... per doz.,	2 00@ 3 00	
Cattleyas..... per doz.,	4 00@ 6 00	
Cosmos.....	1 00@ 3 00	
Dahlias.....	2 00@ 4 00	
Gladioli.....	1 00@ 4 00	
Lilium Harrisii... per doz.,	2 00 10 00@12 00	
Lily of the Valley.....	2 00@ 4 00	
Mexican Ivy.....	75@ 1 00	
Adiantum..... per 100,	75@ 1 50	
Asparagus Plum, strings, each,	60@ 75	
" " sprays.....	3 00@ 4 00	
" Sprengerii.....	3 00@ 4 00	
Ferns..... per 1000,	1 00@ 1 50	
Smilax.....	1 50@ 2 00	

Lily of the valley is of a very good quality and plentiful enough to supply all demands at the regular price.

There is a great plenty of green stock, such as Asparagus, Adiantum, Smilax, but Galys leaves of a good quality are very scarce.

Nursery men about here are preparing for a very busy fall's work, as their booking of orders during the summer has been a great deal heavier than in former seasons.

Great quantities of rain fell several times the past week and the ground is thoroughly saturated with moisture, so the fall planting of evergreens, herbaceous plants and some varieties of shrubs is now in order. And in a few weeks more a great campaign of tree planting will take place in this city, as there are to be 3,000 trees set out by City Forester Johnson on the neglected streets.

NOTES.

The flower stores are beginning to show more life, and better window

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., **CHICAGO.**

Mention the American Florist when writing



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., **CHICAGO.**

Long Distance Phone Randolph 3619.

decorations are to be seen with plenty of good material in cut flowers and Sword Ferns, and have a much more business like appearance.

J. & C. Cross, of Fall River, Mass., have opened their new store, which is about four times as large as the old one. They have installed a fine display florists' refrigerator and all other equipment for an up-to-date flower store.

S. J. Reuter & Son, Inc., Westerly, R. I., and J. A. Budlong & Son, Providence, R. I., bought one stall each of the most expensive locations in the Boston Flower Exchange, Inc., at their sale recently.

The Burke Rose Co. is cutting a crop of My Maryland roses with stems thirty inches long and very fine blooms.

Johnston Bros. are making a grand display of dahlia blooms in their window the past week.

M. Macnair is showing a fine window of seasonable cut flowers and house plants.

T. J. Johnston & Co. are making fine display of Asters and Gladioli.

T. O'Connor has a fine window of Ferns and Palms.

N. D. Pierce is cutting some very fine Asters.

G. A. J.

Bronze Galax

\$7.50 per case.

It pays you to buy our Galax by the case now, because they are just as good now as any other time of the year.

Dahlias

\$1.50 to \$3.00 per 100.

All the best varieties. We can make the shipments direct from the grower to you. Try a sample shipment.

THE LEO NIESSEN CO.,

1209 Arch St., Philadelphia, Pa.

JOHN W. MCINTYRE,

Wholesale Florist, 1601 Ranstead St., PHILADELPHIA, PA.

I will have an opening for a few good growers of Cut Flowers on and after Oct. 1st. Also for some good Plumosus hippers and growers of good Mignonette. For a good article, good prices and prompt returns.

Philadelphia.

IMPROVED CONDITIONS.

During the first of last week the heat and humidity were intense and unseasonable. Fortunately, the clerk of the weather had something better in store for the last of the week, Saturday being very cool.

There is a perceptible improvement in the condition of the market, but nothing to boast about. Stock is moving more freely, but there is no boom in prices. The asters, which have cut a large figure for the past month, are beginning to wane and are being supplanted by the gladiolus, which are now arriving in considerable quantities.

Roses are improving. Very good stock for this season is now seen of American Beauty, My Maryland and the Killarneys. While the best stock of gladiolus is not yet in, there are indications that the cut will, at least, be average. Carnations are scarcely a factor this season, but they are coming in, and better than was generally expected. There is an average supply of lilies and lily of the valley. Tuberoses and various other stocks are also seen, it being now the last call for hydrangea paniculata. There are plenty of celosias, but they cut no figure, possibly, if they were of the Castle Gould variety they would go better.

NOTES.

Samuel V. Smith, 3323 Goodman street, combines the plain every day florist business with aquatics. He is an enthusiast in fancy goldfish culture and has them by the thousands. His aquariums are rare sights to the novice and are filled with many notable specimens of the finny tribes. It may not be generally known that there are goldfish that are black, ring streaked, and speckled and with the diversity of Joseph's coat in colors. There is no nature faking about Mr. Smith's methods. He has the goods, from the little fellows half an inch long up to the aristocratic chaps with goggle eyes and magnificent tails and fins, the kind that is admitted to select society.

His place may be said to be a garden spot in the world of aquatics. His Paradise fish are very interesting. Mr. Smith says that "they build their nests on top of the water, and that the brilliant colors are very handsome and showy."

He has always on hand specially prepared fish food as well as aquatic plants conducive to the welfare of fish, such as anacharis, ragataria, combomba, ladweriga, and water hyacinth.

In addition he has a considerable glass area and grows carnations, ferns, and all kinds of bedding plants, including seedling clematis.

Godfrey Aschmann is in Europe, but is expected home in October with the greatest stock of azaleas that he has ever offered to the trade. Mr. Asch-

Wholesale Flower Markets

PHILADELPHIA, Sept. 14.		Per 100
Roses, Beauty, extra.....	15 00	25 00
first.....	8 00	10 00
Brides and Maids.....	1 00	5 00
Killarney.....	1 00	6 00
White Killarney.....	1 00	5 00
Asters.....	75	3 00
Cattleyas.....	50 00	75 00
Dahlias.....	1 00	3 00
Gladiolus.....	2 00	4 00
Lilium Harrisii.....	6 00	8 00
Lily of the Valley.....	2 00	4 00
Snappdragons.....	4 00	8 00
Adiantum.....	75	1 00
Asparagus..... per bunch	50	
Smilax.....	15 00	20 00

PITTSBURG, Sept. 14.		Per 100
Roses, Beauty, special.....	12 00	15 00
extra.....	8 00	12 00
No. 1.....	4 00	6 00
Bride, Bridesmaid.....	1 00	4 00
Chatenay.....	1 00	4 00
Killarney.....	1 00	4 00
My Maryland.....	1 00	4 00
Richmond.....	1 00	4 00
Carnations.....	1 00	2 00
Asters.....	1 00	2 00
Gladioli.....	2 00	5 00
Lilium Longiflorum.....	6 00	8 00
Lily of the Valley.....	3 00	4 00
Sweet Peas.....	25	50
Adiantum.....		1 50
Asparagus Sprenger, per bunch.....	50	
strings... per string.....	50	
sprays... per bunch.....	50	
Smilax.....		15 00

mann is a man of infinite variety and versatility and his offerings for this season are sure to be up to the high standard which he has preserved in the past.

During his absence, his son, John Aschmann, is in charge of the range and his management is most creditable.

Arucarias are the specialty at this place and thousands of them are seen in the finest condition. There is a house of Begonia Gloire de Lorraine, in six-inch pots, in splendid condition. There is also a great stock of Boston, Scottii, Whitmanii and Scholzelii ferns as well as rubber plants, solanums and primroses in the best varieties. In palms, kentia and cocos are very noticeable. There is a good lot of cycas in seven and eight-inch pots that can be had at reduced prices to make room for incoming stock.

W. E. McKissick, who for a number of years, in conjunction with his brothers, has conducted a successful wholesale business, has given up his store and retired. He was formerly on Filbert street near the Windsor hotel, but later moved to Ranstead street adjoining the store of the Pennock-Meehan Co. He quits the business with a clean slate and the good will of the trade in general. As he is a young man he will doubtless find something to which to devote his energies, but is yet undecided what it shall be.

C. Eisele of Eleventh and Roy streets, is as usual engaged in propagating thousands of plants. Not long ago the

FINE

Asters and Gladioli

THE McCALLUM CO., Inc.,

937 Liberty Ave., PITTSBURG, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock.

"Honesty Our Motto." Try Us.

city authorities extended a street and demolished two of his greenhouses. He says that he misses them very much, but modestly acknowledges that he got something out of it. When it comes to multiplying plants in a limited space, we venture to assert that Mr. Eisele can outdistance the notable John Birnie of West Hoboken, New Jersey.

On October 1 John McIntyre enters his fifth year in the wholesale business. He is a well known hustler and during these years has had a steadily increasing trade. He is noted for his business promptness and will doubtless continue to expand. He has several fine sons who are now a great assistance to him in the business.

It is said that one of the prominent wholesalers will soon change his location, but it cannot be definitely stated where he will go.

John McIntyre has had a fine sign put up on his store on Ranstead street. The Ranstead street wholesalers are all up-to-date.

Arthur McIver, an assistant in Harbermehl's Bellevue-Stratford store, is on the sick list.

The finest orchids on the market are seen at the store of Edward Reid.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Boston, Mass.



Penn, The Telegraph Florist

Wire us and we will wire you. We cover all points in New England.

43 BROMFIELD STREET.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

HOLLY

Have 7 year's experience packing holly in cases 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing

T. J. EUBANK, Brown's Store, Va.

Boston.

IN AND ABOUT THE HUB.

The McCarthy auction room, Hawley Street, will open again September 13, 9:30 a. m. G. R. Ludwig, at McCarthy's, has the tender sympathy of his acquaintances on account of the death of his little six-months'-old boy, Walter, at the Children's Hospital. Congestion of the bowels was the cause.

A swimming match is on at the Market. Edward Rogean challenged Mr. Gannon of East Boston for a swim from Charlestown bridge to Boston Light, for \$100 a side. Event to take place some time before September 20. Charles Evans is stakeholder.

The Gardeners' and Florists' Club and Village Improvement Society at Andover held a flower show September 3. Messrs. Farquhar and the Fiske Seed Co. contributed displays.

The Gardeners' and Florists' Club of Boston will resume their regular meetings Sept. 20, in Horticultural Hall. The members will tell their vacation experiences.

J. A. Budlong & Sons Co., Providence, are showing the two new roses, Cardinal and Radiance, the latter a pink. They are the only ones who have them.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Sept. 14.		Per 100
Roses, Beauty, best	20	00@25 00
" " medium	12	00@15 00
" " culls	2	00@ 4 00
" " Bride, Bridesmaid	1	00@ 4 00
" " Extra	5	00@ 6 00
" Killarney and Richmond	1	00@ 6 00
" My Maryland	1	00@ 8 00
" Carnot	2	00@ 8 00
Carnations, select	1	00@ 2 00
" fancy	1	50@ 2 00
Callas	8	00@10 00
Cattleyas	35	00@50 00
Lilium Longiflorum	6	00@ 8 00
Lily of the Valley	2	00@ 4 00
Smilax	12	00@16 00

ST. LOUIS, Sept. 14.		Per 100
Roses, Beauty long stems	15	00@20 00
" " medium stems	8	30@10 00
" " short stems	2	00@ 4 00
" " Bride, Bridesmaid	2	00@ 5 00
" Killarney	3	00@ 4 00
" My Maryland	3	00@ 4 00
" Richmond	4	00@ 4 00
Carnations	1	00@ 1 50
" fancy	1	50@ 1 50
Asters	1	00@ 4 00
Easter Lilies	8	00@10 00
Adiantum	1	00@ 1 00
Asparagus Sprengerii	2	00@ 3 00
Smilax	12	50@15 00

CINCINNATI, Sept. 14		Per 100
Roses, Beauty	1	00@ 3 00
" " Bride, Bridesmaid	2	00@ 6 00
" " Golden Gate	2	00@ 6 00
" " Killarney	2	00@ 6 00
" " Richmond	2	00@ 6 00
Carnations	1	00@ 2 00
Asters	1	00@ 3 00
Callas	10	00@ 10 00
Daisies	50	00@ 50 00
Lilium Album and Rubrum, per doz.	5	00@ 1 50
Lilium Auratum, per doz.	1	50@ 1 50
Lilium Longiflorum	10	00@12 50
Lily of the Valley	3	00@ 4 00
Adiantum	1	00@ 1 50
Asparagus Sprengerii, per bch.	25	00@ 25 00
Smilax	12	50@15 00
Gladiola	3	00@ 4 00

MILWAUKEE Sept. 14.		Per 100
Roses, Beauty, per doz.	5	00@3 00
" " Bride, Bridesmaid	3	00@ 6 00
" " Killarney	3	00@ 8 00
" " Richmond	3	00@ 6 00
Carnations	2	00@ 3 00
Asters	1	00@ 2 00
Gladioli	3	00@ 5 00
Lilium Giganteum, per doz.	1	50@ 10 00
Lily of the Valley	3	00@ 4 00
Magnolia	35	00@ 35 00
Snappedragon	2	00@ 4 00
Adiantum	1	50@ 1 50
Asparagus	50	00@ 60 00
" " Plumosus, per bunch	35	00@ 50 00
" " Sprengerii	35	00@ 35 00
Ferns, Fancy	1	50@ 1 50
Galax	1	50@ 20 00
Smilax	1	50@ 1 50

The annual Prize Aster Contest, conducted by Thornton Bros., Lawrence, Mass., was held August 27. The judges were William J. Stewart and P. J. Donahue.

E. Holmes of Montrose, has gone to Nova Scotia for a trip. His pink Killarney and Richmond roses are reported as very fine at the Market.

John McKenzie, Cambridge, is adding a new house, 100x25 feet. He has an improved Begonia Gloire de Lorraine, with more and larger flowers.

One hundred and twelve stalls have been sold at the co-operative whole-

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

sale market, and things had a very busy look Saturday morning.

Walter E. Cook, of Vaughan's Seed Store, was a visitor at the Railway Gardening Association convention, bringing two large bunches of choice gladioli.

Charles Holbrow, at Brighton, is building a third new house for sweet peas. This will give him 500 feet in length.

Carbone's display of imported decorating ware is a revelation. "Everything that goes with flowers."

Mr. Edward Winkler has reappeared at the Market after a visit to Denmark.

A. Christensen has been heard from in London and Paris, as enjoying himself.

George Noyes has returned from a vacation at Wiers, N. H.

F. J. Dolansky, Lynn, will have Bonafon Mums in a week.

Wax Bros.' windows deserve the prize this week.

E. A. Stickel is just back from a Cape Cod trip.

W. T. H.

New York.

UNPROSPEROUS WEATHER.

The torrid weather of the fore part, and the heavy rains in the latter part of the week, have given the market a set back from what it probably would have been, had the cool weather of the week previous continued, the intense heat and almost unbearable humidity driving many of the early arrivals from mountain and seashore back to more comfortable latitudes again, while those remaining in the city were a good deal more apt to purchase fans and cooling lotions than cut flowers. The warm spell also having a bad effect on roses, etc., and is likely to delay the violet crop considerably. Then the heavy rains of Wednesday night and Thursday did considerable damage to the out door stock, particularly asters which are arriving in very poor condition. Good roses, of which a few are being received, are bringing a fair price, but the bud is of poor quality and brings corresponding figure. Some new crop carnations are arriving now, but are short stemmed and very small heads. Quite a number of fair mums are seen, mostly of the Golden Glow variety, one firm receiving as many as 200 in one day. Normal conditions are not expected much before October 1st.

NOTES.

John Burfiend, for thirty-two years manager for Charles Ammann, formerly 120th street and 7th avenue, one of the pioneer and at one time largest florists in New York City, and for the last six years head gardener and superintendent of the estate of Thomas L. Watts at Scarsdale, N. Y., has at last yielded to the advice of his many friends and started in business for himself. He has purchased over an acre of valuable land, upon which there is a handsome residence where he and his family reside. He has finished the erection of two fine greenhouses and a store and office building fronting on Fennimore Road, Scarsdale, and is negotiating for the purchase of adjoining property on which he intends building a large palm house and planting the balance in nursery stock. The location is a fine one and for a man of his experience and popularity, success is assured.

Charles Dards, who has just returned from Europe, found on his return, that not only had his employees been unusually busy during his absence, but that Hymen, the God of Matrimony, had also been working overtime in his Madison avenue store, having in a little over a month's time induced no less than three young men to forsake the paths of single bliss, and shoulder the responsibility, as well as the joys, of matrimony.

W. Hunter and W. L. Trumppore, with J. M. Small Sons, Broadway, are back after vacations spent, the former at Lake Hopatchong, and the latter in the Adirondack mountains. Alterations are now completed and the store is beautifully decorated with hydrangeas and oak foliage, this firm being noted for their artistic display at all times.

William P. Ford expects now to be able to open on September 21, having been delayed by the work of alterations. Mr. Ford, since dissolving partnership with his brother, has been recuperating at his farm in Chadds Ford, Delaware County, Pa.

H. Crawbuck, manager of the Greater N. Y. Cut Flower Association, states that the business is increasing every year. This association is co-operative in nature, some of the largest growers in Long Island being share holders

Mrs. F. R. Pierson was the recipient of a silver mounted silk umbrella from the S. A. F. and O. H., which was delivered to President Pierson for her at the convention.

J. McHutchison reports the banner business year, both in European and American business, and also states that the supply of French fruit stocks is considerably below the demand.

Julius Roehrs, Sr., and his youngest son, Hans, left for a trip through Mexico September 5, expecting to return in about three weeks.

The MacNiff Horticultural Co., are now occupying the store at 62 Vesey, formerly occupied by the Cleary Co., now out of business.

Paul A. Rigo, with Henshaw and Fenrich, has returned after a two weeks' vacation, spent at Raponah Mountain, N. Y.

W. De Forrest of Lord & Burnham, states that this firm has already secured quite a number of contracts for next summer.

E. L. Moore, formerly florist at the Hotel Majestic, has opened a store at 976 Amsterdam avenue, near 107th street.

Steamship Sailings.

From New York except as noted.

Sept. 20.

Hamburg, Ham.-Amer., 10 a. m., Hoboken, Pier. Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier. Kronprinzessin Cecilie, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Zealand, White Star, 12 noon.

Sept. 21.

Mauretania, Cunard, 9 a. m., Piers 54 and 56, North River.

Adriatic, White Star, 9:30 a. m., Piers 60 and 61, North River.

FROM BALTIMORE, Rhein, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

Sept. 22.

Altonia Cunard, 12 noon, Piers 54 and 56, North River.

La Lorraine, French, 10 a. m., Pier 42, North River.

Sept. 23.

FROM MONTREAL, Corsican, Allan, 5 a. m.

FROM QUEBEC, Empress of Britain, Canadian Pacific, 3:30 p. m.

Sept. 24.

Caledonia, Anchor, 12 noon, Pier 64, North River.

Calabria, Anchor, Pier 64, North River.

Philadelphia, American, 10 a. m., Pier 62, North River.

Arabic, White Star, 12 noon, Piers 60 and 61, North River.

Dominion, White Star-Dom., Daylight.

Prinze's Irene, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

William J. Elliott, who has been spending a week among the growers, states that all indications point to a very prosperous season to come.

Jones & Russell of Cleveland, were in town last week purchasing supplies for the coming season.

Vaughan Seed Store reports an unusually brisk bulb business.

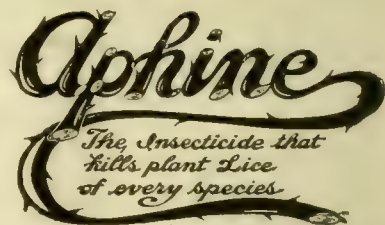
S. Hoffman of Boston, was a visitor last week.

New York Florists' Club.

The New York Florists' Club held their first meeting of the season September 12, President Miller in the chair. There was an unusually large attendance, with many interesting speeches. The following new members were elected: P. J. Smith, Robt. J. Young, M. Glass. Short and appropriate speeches were made by both Mr. Young and Mr. Smith. Exhibits: Plants of Clerodendron Fallax, by Harry Turner, Castle Gould, and White Chrysanthemum, Smith's Advance, by Elmer D. Smith. J. A. Manda made an appeal to the club to give the bowlers a little encouragement by appropriating funds for a cup, to be played for

by the different branch clubs of New York Florists' Bowling Club, the matter being referred to a committee of the following gentlemen: J. A. Manda, Frank Traendly, Bob Berry, Joe Fenrich, W. Duckham. Opinions on this matter were expressed by John Birnie, John Donaldson, J. A. Shaw, Chas. B. Weatherhed, J. B. Nugent, Jr., Alex. Burns, and F. R. Pierson, the latter gentleman kindly donating a prize to be played for. The following committee was appointed by Pres. Miller to prepare resolutions on the death of Lyman B. Crawl: Chas. B. Weatherhed, F. R. Pierson and W. J. Stewart. The exhibition committee granted the following awards: Elmer D. Smith, vote of thanks; Harry Turner Hitchings, cup and 5 points.

President Pierson of the S. A. F. spoke on the convention, thanking the members of the New York Florists' Club for their hearty support, and also for the gavel presented to him, and of his great appreciation of it; also, the splendid welcome by the Rochester boys, and stated that the past convention had been the banner one. Harry Bunyard made a short address, stating that the last convention had the largest exhibits and was the best arranged and most successful he had ever attended, and also requested the S. A. F. to take up the matter of uniform signs at the next convention, and concluded by calling for a rising vote of thanks for Bob Berry for his efficient services on the train en route to Rochester. P. O'Mara also spoke on the past convention, stating that it was as good a convention as the society ever had and that the voting attendance was larger than that of Cincinnati. He also spoke of the growing importance of the S. A. F. and that she had covered herself with glory. All honor to the Rochester boys, calling for a standing vote of thanks for their kindness and hospitality, concluding with words of praise for President Pierson for his fair and generous work at the convention. Short addresses were made by J. A. Shaw, W. J. Stewart, J. H. Pepper, Jas. Meikle, John and President Miller, who commented on the fact that both President Mrs. Phillips and Vice-President Mrs. Julius Roehrs, Jr., of the ladies' S. A. F. were from New York.



Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon; \$1.00 per Quart. Get it from Your Seedsmen, or Write

Aphine Manufacturing Co.
MADISON, N. J.

Pacific Coast Distributing Agents:
MACRORIE-McLAREN COMPANY,
Crocker Building, San Francisco, California.

Young & Nugent,

Telephone 2065-2066 Madison Square.

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To out-of-town florists
We are in the Heart of **New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.

Telephones ³⁶⁴²/₄₃ / ⁶⁰²⁸/₆₀₂₈ Maln. 162 Livingston St., BROOKLYN, N. Y.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

WM. P. FORD,

45 West 28th St., NEW YORK.

WHOLESALE FLORIST—

TELEPHONE

Consignments of Cut Flowers Solicited



Give us a
Trial
We can
Please you.

Roses, Carnations and all kinds o.
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

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P. J. SMITH,

Are the best product of the best growers
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK
Telephone 1998 Madison Square.

Orange, N. J.

After an intermission of two months the N. J. F. S. held their regular meeting September 9 in Lindsley Hall, 240 Main street, Orange. Light refreshments were served to the members and others by the society. Arrangements for the dahlia show, to be held October 1st, were completed. This show has always attracted attention and promises to be the largest exhibition of its kind the society ever held. Albert F. Larson, Walter Gray, William Reid and John Hayes were appointed a committee to go to New York and select the silver cups which will be awarded in January for the year's competition, at the monthly exhibitions. It was decided to award the large silver cup donated by Mr. Le Crunt at the last meeting, for the best 24 cut chrysanthemums, 6 varieties, 4 flowers of each, at the chrysanthemum show, which will

Wholesale Flower Markets

NEW YORK, Sept. 14.	
Roses, Beauty, special.....	8 00@20 00
extra and fancy....	3 00@ 8 00
No. 1 and No. 2....	50@ 2 00
Bride, Bridesmaid, special.	3 00@ 4 00
extra and fancy.....	5 @ 2 00
Killarney, special.....	3 00@ 4 00
extra and fancy.....	1 00@ 2 00
No. 1 and No. 2.....	50@ 1 00
Kaiserin, special.....	4 00@ 5 00
extra and fancy.....	2 00@ 3 00
No. 1 and No. 2.....	50@ 1 00
Asters.....	25@ 3 00
Chrysanthemums... per doz.	1 00@ 1 50
Cattleyas.....	45 00@75 00
Dahlias..... per doz.	75
Gladioli.....	50@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 00@ 3 00

BUFFALO, Sept. 14.	
Roses, Beauty, special.....	20 00@25 00
fancy.....	15 00@20 00
extra.....	10 00@15 00
No. 1.....	7 00@10 00
No. 2.....	2 00@ 4 00
Bride, Maid, Killarney.....	2 00@ 6 00
Kaiserin.....	4 00@ 7 00
Pres. Carnot.....	4 00@ 7 00
Carnations.....	1 00@ 1 50
Asters.....	4 @ 2 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Water Lilies.....	3 00@ 5 00
Adiantum Croweanum.....	1 25@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengeri.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.	1 50
Galax, green and bronze.....	15 00
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

be held on the regular meeting night in November. Lager & Hurrell, of Summit, N. J., had a nice display of rare orchids for which they received 95 points.

A. B. Jenkins, gardener, Albert F. Larson, roses: 90 points.

Thos. Edison, gardener, Frank Drew, roses: 80 points.

S. M. & A. Colgate, gardener, William Reid, roses: 75 points.

S. M. & A. Colgate, gardener, William Reid, carnations: 70 points.

Chas. A. Hathaway, gardener, Max Schneider, carnations: 60 points.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

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Telephones: 3532 and 3533 Madison Sq.

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450 Sixth Ave., NEW YORK

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square

William Reid, flowering plant: 75 points.

William Reid, foliage plant: 85 points.

For the exhibits not in competition for points the following awards were made:

Vase roses, Albert F. Larson, cultural cut.

Vase roses, Frank Drew, cultural cut.

Tuberose, rooted begonias, William Reid, cultural cut.

The judges were Chas. W. Ashmead, Edward Eccles, John Hayes. W. R.

Get Ready NOW to Sell Palms for Use Indoors this Winter

There's this beauty about selling well-grown Palms: the demand is steady. Palms are just as good for indoors as for porch and lawn decoration—and now that your customers are commencing to "live inside" more, you have a splendid opportunity to handle our Palms and make money with them.

They are grown right here in our own houses, from the seed, by men who know how; they are clean, healthy, vigorous plants, and will give the best of satisfaction—both to you and your customers. Let us fill your order for some of them; we have an excellent stock and will ship promptly, and if you order at once, we can still forward by freight, saving you the heavy express charges that you'll have to pay if you wait till frost. Here are our prices—may we not hear from you NOW?



ARECA LUTESCENS				Kentia Belmoreana				Made-up Kentia Forsteriana			
Pot	Plants in pot.	In. high.	Each	Pot or Tub	In. L'ves high	Each	Doz.	Tub or pot	Plants in pot	In. high	Each
6-in.	3	26 to 28..	\$1 00	7-in.	6-7 34-36..	2 50	30	7-in.	4	36	\$2 50
7-in.	3	30 to 32..	2 00	7-in.	6-7 36-38..	3 00		7-in.	4	36-40..	3 00
8-in.	3	36	2 50	7-in.	6-7 40-45..	4 00		Plants in tub			
8-in.	3	42	3 00					9-in.	4	42-48..	5 00
COCOS WEDDELIANA				Tub	Very h'vy	Each		9-in.	4	4-ft. h'vy	6 00
Pot	In. high	Per 100		9-in.	6-7 42-48.....	\$5 00	CIBOTIUM SCHIEDEI				
2½-in.	8 to 10.....	\$10 00		9-in.	6-7 48-54.....	6 00	Ready in Sept. Stock limited.				
2½-in.	10 to 12.....	15 00		9-in.	6-7 5-ft.....	8 00	Tub Spread				
KENTIA BELMOREANA				KENTIA FORSTERIANA				9-in.	4 to 5-ft.....	\$6 00	
Pot	L'ves high	In.	Doz.	Pot	L'ves high	In.	Each	9-in.	6-ft.	7 50	
5-in.	6-7 18		\$6 00	5-in.	5-6 28-30..	\$1 00	\$12	PHOENIX ROEBELENI			
6-in.	6-7 22-24..	\$1 00	\$12	6-in.	6 34-36..	1 50	18	Pot Nicely characterized			
6-in.	6-7 24-26..	1 25	15	6-in.	6 34-36..	1 50	18	5 in.		\$1 00	
6-in.	6-7 26-28..	1 50	18					6-in.		1 50	
								7-in.		2 00	

"WHEN IN PHILADELPHIA, BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

Railway Station: Jenkintown

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.
Mention the American Florist when writing

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly, on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.
Mention the American Florist when writing

Southern Wild Smilax

Now ready for shipment.

Perpetuated and Natural Sheet MOSSES

Satisfaction guaranteed.

E. A. BEAVEN, Evergreen, Ala.
Mention the American Florist when writing

Sphagnum Moss

Dry; in burlap bales: size of bale, 16 by 16 inches by 4 feet long; average weight, about 30 pounds. Price (cash with order): Per bale, 75c; 10 bales, \$6.50.

CHAS. F. UECKE, New London, Wis.



FANCY.

\$1.00 per 1000

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,

BOSTON, MASS.

Mention the American Florist when writing



FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green\$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze\$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Mention the American Florist when writing

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

We Call Your Special Attention

To our quotations on **Latania Borbonica**, 7-inch pots at 75 cents each or \$9.00 per dozen. These are plants ready to shift into 8-inch pots, and are fine, perfect specimens.

Our **Assorted Ferns for Ferneries** are also to be recommended.

Dracena Fragrans, 6-inch pots at 50 cents; 7-inch at 75 cents; and larger plants at \$1.00 and \$1.50 are fine stock. Be sure to include some of these in your order; they are sure to please you.

Our **Kentia Belmoreana**, 6-inch pots at \$1.50 each, are exceptionally fine, perfect specimens—the kind of stock that will sell on sight.

Kentia Belmoreana.

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.
2½-in.	8 to 10-in.		\$ 1.50	\$10.00
3-in.	12-in.		2.00	15.00
4-in.	14 to 16-in.	4 to 5	\$0.50	4.50 35.00
6-in.	26 to 28-in.	6 to 7	1.50	18.00
7-in.	28 to 30-in.	6 to 7	2.50	30.00
8-in.	42 to 48-in.	6 to 7	5.00	
9-in.	54 to 60-in.	6 to 7	7.00	

Kentia Forsteriana.

Pot	Height	Leaves	Each	Doz.
2-in.	6 to 7-in.	3 to 4	\$1.50	
3-in.	10 to 15-in.	4 to 5	2.00	
4-in.	16 to 18-in.	5 to 6	4.50	
5-in.	24 to 28-in.	5 to 6	\$0.75	
7-in.	36 to 40-in.	6 to 7	2.50	

Made-up Plants.

Tubs	Height	Plants in tub	Each
8-in.	42 to 46-in.	4	\$ 5.00
9-in.	48 to 50-in.	4	6.00
10-in.	54 to 60-in.	4	10.00

Cocos Weddelliana.

2-in. pots, 15c each.....	\$1.75 per doz.
3-in. pots	2.50 per doz.

Latania Borbonica.

Pot	Leaves	Height	Each	Doz.
3-in.	3 to 4	10 to 12-in.	\$1.50	\$10.00
4-in.	4 to 5	12 to 15-in.	.25c	3.00 25.00
5-in.	5 to 6	15-in.	.40c	4.50 35.00
6-in.	6 to 7	18-in.	.50c	6.00 50.00
7-in.	7 to 8	20 to 24-in.	.75c	9.00

Areca Lutescens.

Made-up Plants.

Pot	Leaves	Height	Each
3-in.	10 to 12	10 to 12-in.	\$0.20
7-in.			2.00
8-in.	12 to 20	30 to 36-in.	4.00

Phoenix Roebelenii.

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

	Each	Doz.
2-in. pots	\$0.25	\$3.00
3-in. pots .....	.50	6.00
4-in. pots .....	.75	9.00
8-in. tubs	4.00	

Phoenix Canariensis.

	Each
30 to 36-in. high, 8-in. tub.....	\$2.50

Pyramid Bays.

	Pair
6 ft. 6 in. high, 24 to 30-in. wide....	\$20.00
7 ft. high, 34 to 38-in. wide.....	25.00

Standard Bays.

	Pair
4 ft. high, 22 to 26-in. crown.....	\$12.00
5 ft. 6 in. high, 24 to 28-in. crown....	15.00
6 ft. 6 in. high, 32 to 36-in. crown....	20.00
Larger sizes.....	\$25.00, \$30.00 and 35.00



ASPARGUS PLUMOSUS NANUS.

Araucaria Excelsa.

Pots	Tiers	High	Per doz.
4-in.	2 and 3	8 to 10-in.	\$ 6.00
5-in.	3 and 4	12 to 14-in.	9.00
6-in.	4 and 5	18 to 20-in.	12.00

Aspidistra Lurida, Variegated.

15c per leaf.....plants, \$1.00 and upwards

Fern Balls (in leaf).

5 to 7 in.....	per doz., \$3.00
7 to 9 in.....	per doz., 4.20

Fine Ferns.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense, Pteris adiantoides, Pteris cretica albo-lineata, Pteris Ouvrardi, Pteris serrulata, Pteris Wimsetti, Pteris tremula, 2-in. pots, 40c per doz.; \$3.00 per 100.

Asparagus Plumosus Nanus.

	Per doz.	100
2-in. pots	\$0.50	3.00
3-in. pots .....	.75	8.00
4-in. pots	1.50	12.00

Asparagus Sprengeri.

2-in. pots	per 100, \$3.00
3-in. pots	per 100, 6.00

Dracaena Fragrans.

	Each	Doz.
5-in. pots, 10 to 12-in. high..	\$0.35	\$4.00
6-in. pots, 12 to 14-in. high..	.50	6.00
7-in. pots, 14 to 16-in. high..	.75	9.00
8-in. pots, 16 to 20-in. high..	1.00	12.00

Ficus Pandurata.

6-in. pots, 36-in. high.....	each, \$2.50
7-in. pots, 48-in. high.....	each, 3.50

Ficus Repens, Vine.

2-in. pots	per doz., \$0.50
3-in. pots	per doz., 1.00

Pandanus Veitchii.

	Each	Doz.
4-in.	\$0.50	\$ 6.00
7-in.	2.50	30.00

Nephrolepis Whitmanii.

8-in. pots	\$1.50 each
Beautiful specimens.	

Nephrolepis Bostoniensis.

Pot	Doz.	100
3-in.	\$ 1.00	\$ 8.00
4-in.	1.50	12.00
5-in.	3.00	25.00
6-in.	6.00	45.00
7-in.	9.00	70.00
8-in.	12.00	90.00
9-in.	15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

GEO. WITTBOLD CO., 737-739 Buckingham Place, **Chicago**

Long Distance Phone, Graceland 1112.

The American Florist Company's

Trade Directory for 1910

Contains 570 pages.

Price, \$3.00, postpaid.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.

Long Distance Phone.

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J. B. BOLAND

Successor to Sievers & Boland

FLORIST

80 KEARNEY STREET.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

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C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

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S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

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Bertermann Bros. Co.

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D. C.

14th and H Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768.
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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

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New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

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Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

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TELEPHONES
1501 and L 1583

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Denver, Colo.

The Park
...Floral Co.

J. A. VALENTINE, President.

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Washington, D. C.

Geo. C. Shaffer,

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Phone 2416 Main 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Mention the American Florist when writing

Montreal.

FLORIST
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All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.
Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England Points

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

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THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

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Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funerals
Designs, Wedding and Birthday Gifts that may
be entrusted to them.

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FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.
Telephone 247.

We are in position to fill promptly all mail,
telephone, telegraph and cable orders with best
quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.
KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2144

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L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER

Order by mail, telephone, telegraph or
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Atlanta Floral Co.
41 Peachtree Street.

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THE ANDERSON FLORAL CO.
533 MARSHALL AVE.

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Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

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Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the
large cities of Europe and the British
Colonies. Cable orders forwarded by
private code. Telegraph and Cable Ad-
dress, DARDSFLOR.

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Brooklyn, N. Y.

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319 MAIN PHONE.
272 Fulton Street.

All orders by mail, telegraph, etc., will receive
careful attention and prompt delivery anywhere
in Greater New York, Long Island and New
Jersey. Established 1874.

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.
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New York.

Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and
are adjacent to the Theatrical and Steamship Dis-
tricts. References or cash with orders from
unknown parties.

Louisville, Ky.

Established 1880

Orders for delivery in this city and nearby
points in the South solicited by

M. D. REIMERS

Successor to Chas. W. Reimers.

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Mention the American Florist when writing

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JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any
part of the United States, Canada and
all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,

— FLORIST —

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty,

218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

VISITED CHICAGO: Henry Nungesser, New York; J. Chas. McCullough, Cincinnati, O.; A. J. Brown, Grand Rapids, Mich.

BIRMINGHAM, ALA.—The business of the Amzi Godden Seed Co. has increased to such an extent that it became necessary to increase the capital stock of the corporation from \$40,000 to \$100,000. The officers of the company are: J. H. White, president; G. B. McVey, vice-president and general manager; J. B. Dolsen, secretary and treasurer.

BOSTON, MASS.—Hovey & Co., are showing flowering and fruiting plants of Pan-American strawberry that bear up to November.—P. J. Van Baarda, at Breck's, is just back from Europe, and Russell O. Gardner is going on his vacation.—John Farquhar will go to Oyster Bay, L. I., to talk on "Gardens of Italy," September 12.—Rawson's window collection of dahlias attracted much attention last week. W. T. H.

PHILADELPHIA, PA.—Walter P. Stokes says: "Tell us where to get some garden pea seed." He also advises us that timothy seed is scarce and high, as well as bluegrass seed. The crimson clover season is about over. Bulbs are going well. This firm has had heavy sales of pansy seed.—The Moore Seed Co. advises us regarding the bean crop as follows: "Pencil Pods, Golden Wax, Red Kidney Wax, Red Valentine, Late Refugee and White Marrowfat will run 100 per cent; Indian Chief and Scarlet Runners are failures. A frost may lower these figures, as well as those of other varieties that range much lower than those quoted."

BALTIMORE, MD.—A seed trade, or any other firm that has withstood the storms and stress of over ninety years, is well worthy of some notice. Recently, under the guidance of Chris J. Bolgiano, one of the active members of the firm of J. Bogliano & Son, our representative was shown through their extensive establishment, located at the corner of Light and Pratt

streets. They occupy a five-story building, comprising 40,000 square feet of floor space, and have just acquired another building containing 20,000 square feet of floor space for warehouse purposes. This has both extensive trackage and waterfront. While this firm deals in all kinds of seeds and bulbs, it is at present doing an extensive business in crimson clover, timothy and alfalfa seed. An immense business is done in poultry food, the firm being about to install a plant that will turn out 2,000 bags per day. Kaffir corn has been handled quite extensively the past season. John F. Meyer, manager of the seed department of S. L. Lamberd Co., 111-115 Light street, reports a fine trade on all summer seeds, and is now getting in a large supply of Dutch bulbs.

Danish Seed Crops.

Hjalmar Hartmann & Co., Copenhagen, report as follows, August 25: For cabbage and cauliflower seed the outlook is very encouraging as well for quality as quantity. Early frost last fall injured many heads. In addition, damage was done by insects during the summer. The very favorable weather, however, during spring and summer has helped somewhat, but it is expected Danish Ballhead, tall-stemmed, will still show a shortage of 25 per cent and even more in Danish Roundhead, short-stemmed, and Danish Summer Ballhead.

Turnip and swedes are excellent and mangels medium.

European Grass Seeds.

Conrad Appel, Darmstadt, Germany, in his latest report on grass seeds issued August 30, has the following: "The harvest of the natural grass seeds is so far finished, that I can now give a correct idea as to quantity and quality of home-grown and foreign natural grass seeds, adding a few words on the prospects for the new crop of clover and agricultural seeds. The warm weather in April and partly in May influenced maturing of our home-grown natural grass seeds to some extent, and one could reckon on a good, early and satisfactory yield this season. But these expectations have been diminished by very unfavorable weather conditions, with continuous rains in June and July. The harvesting of some sorts has been delayed, and the quantity and quality of this season's crop

are affected. Many lots are discolored and dark, containing a good deal of weeds, and are of light weight. Under these circumstances one has to pay special attention to the buying and selection of best qualities."

Formalin and Seed Grain.

In a bulletin recently issued by Robert Stewart and John Stephens of Utah Experiment Station at Logan, on the "Effect of Formalin on the Vitality of Seed Grain" conclusions have been reached as follows:

- 1.—The formalin treatment is effective in preventing the loose and covered smut of oats, the covered smut of barley and bunt of wheat.
- 2.—The formalin solution, even as dilute as one pound of formalin to sixty gallons of water, reduces somewhat the vitality of the seeds of wheat, oats and barley.
- 3.—Oats are more resistant to the influence of formalin than are wheat and barley.
- 4.—The best strength of solution to use is one pound of formalin to fifty gallons of water.
- 5.—The seed may safely be treated for one hour in a solution of one pound to fifty gallons of water.
- 6.—If the treated seed be thoroughly dried, it may be safely kept for at least six weeks after treatment.

Imports.

During the week ending September 10, imports were received at New York as follows:

Burnett Bros., 103 cases bulbs.
Stumpp & Waller Co., 77 cases bulbs.
C. C. Abel & Co., 73 cases bulbs.
H. F. Darrow, 67 case bulbs, 81 pkgs. seed.
C. T. Meyer, 64 cases bulbs.
F. R. Pierson & Co., 45 cases bulbs.
W. Hagemann & Co., 38 cases bulbs.
J. M. Thorburn & Co., 30 cases of bulbs, 34 bags seed.
Henry & Lee, 19 pkgs. bulbs.
Vaughan's Seed Store, 21 pkgs., two cases bulbs.
E. T. Buckingham, 15 cases bulbs.
McHutchison & Co., 14 cases bulbs.
W. Elliott & Sons, nine cases bulbs.
J. Dunn, Jr., nine cases bulbs.
W. H. Siebrecht, eight cases bulbs.
Anton Schultheis, six cases bulbs.
W. Jurgens, three cases bulbs.
A. Baldwin & Co., two cases bulbs.
S. D. Woodruff, 48 bags seed.
P. Henderson & Co., 32 pkgs. seed.
To others, 1,919 cases bulbs, 650 bls., 157 bags clover seed, 348 bags seed, 100 bags poppy seed.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.



Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Giant Pansy PLANTS and SEED The KENILWORTH Strain

1910 seed—light, medium or dark mixtures, 2000 seeds 50c; 5000 \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00.

Also the following colors of the Kenilworth

strain: yellow, yellow-darkeye, Lord Beaconsfield, Mme. Perret, white darkeye, purple, masterpiece red, bronze and light blue shades. Trade packets 25c; any five for \$1.00.

Plants, 100, 50c;
1000, \$3.00.

Chas. Frost
Kenilworth,
N. J.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

	Per 1000		Per 1000
Lilium Formosum, 7-9.....	\$65.00	Lilium Jamesi, 6-7.....	\$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,
1215 Betz Bldg., PHILADELPHIA, PA.

Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of American Grass and Clover seed in carload lots, and invites exporters to submit offers and samples as soon as the new crop is on spot.

Fall Bulb Catalogue

If you have not received
a copy send for it.

James Vick's Sons
Rochester, New York

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
a copy please send for one. New crop of
seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N. J.

**BURPEE'S
SEEDS
PHILADELPHIA**

Wholesale Price List for Florists
and Market Gardeners.

Always mention The American Florist
when you order stock. :::

High-class Seeds, Bulbs, Plants, Shrubs and
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

	Per 1000
Lilium Longiflorum Multiflorum, 7-9.....	\$50.00
" " Giganteum, 7-9.....	65.00
" " Formosum, 7-9.....	65.00

F. O. B. New York.

Mention the American Florist when writing

RELIABLE SEEDS. Tr.

	Oz.	pkt.
Bells, double Daisies, Longfellow, pink	\$3.00	30c
" " Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special Florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

BULBS For good flowers buy good bulbs. Note the Prices.

	Per 1000
Paper White Grandiflora, fine stock.....	\$ 8.00
Empress, Double Von Sion or Princeps ..	10.00
Emperor	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque.....	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

Greenhouse Tomatoes.

The essential points to success with tomatoes under glass are: Good plants, rich soil, full light, a congenial temperature, controlled moisture. Any one of these is as important as the other, and it is the harmony of all the necessary elements that brings success. Too often a grower is able to furnish nearly all requirements, yet the one he cannot master may cause a bad failure. A common cause of indifferent success is poor plants. Because a tomato is a rank grower, almost a weed, some think most any plant will do. We know that no matter what after care is given, a tomato plant once checked will give a poor crop. Thus, from the time the seed germinates until we get the plants out in the house, there should be no stop. To get the best plants they must have rich earth from the start and only moderate moisture. Plenty of room is needed—that is, just as fast as the plants need it they must be re-spaced and re-potted. If a grower cannot command perfect plants at

the proper time, he had better change his program and plant something else.

The matter of moisture needs great attention. The aim should be from the very start to produce sturdy growth and to avoid watery, rank foliage. The aim is fruit and not foliage, and water is the controlling factor. For this reason we do not like mechanical watering as well for tomatoes as for lettuce; for often the duration of the watering is too long and thereby softens growth. To a close observer there is a constant guide in the color of the foliage. An even green color always means too much water, while faint traces of blue, with a metallic lustre all over leaf and stem is the desired condition.

From a business standpoint, winter tomatoes are a difficult problem. Too often they do not pay because we cannot obtain prices to make good the great outlay of labor and heat. Many growers have found the late fall crop preferable. Thus they aim to get all the fruit set before dark weather comes and then ripen it during November and December. It is easy enough to ripen fruit, but it is hard to get a good set in mid-winter.

In localities where many outdoor tomatoes are grown and blight is prevalent it is almost a necessity to spray with Bordeaux under glass to escape disease. Blight under glass means speedy ruin. Some operators have an idea that cuttings would give better results. We don't want any ourselves—they lack vigor and generally bring disease with them.

MARKETMAN.



TYPE OF OUR CYCLAMEN.

MANN'S Lily of the Valley

are the finest in existence, and their flowers bring the best prices on the London market. For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

VEGETABLE PLANTS

Cabbage, All Head, Succession	Per 100	1000
Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead	.....	\$0 20 \$1 00
10,000 and over	.....	85c per 1000
Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market	.....	20 1 00
10,000 and over	.....	85c per 1000

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Now Ready—New 1910 Edition

THE TRADE DIRECTORY

Florists, Seedsmen and Nurserymen of the United States and Canada.

PRICE: \$3.00, postpaid.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO

VAUGHAN'S Giant-Flowered Cyclamen

Pure White (Mont Blanc)	.....	Per 100 seeds, \$0.75
Dark Crimson	.....	Per 1000 seeds, 5.00
Rosa von Marienthal, "Daybreak" pink	.....	250 seeds of a color at the 1000 rate.
Dark Rose	.....
White, with Crimson Eye	.....

Giant-Flowered Cyclamen, extra choice mixed:

Per 100 seeds	.....	\$ 0.50
250 seeds	.....	1.15
1000 seeds	.....	4.50
5000 seeds	.....	20.00

This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). This is, to our knowledge, the best strain in this color which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1000 Seeds, \$10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine with flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye and Lilac Colored. Each, per 100 seeds, \$1.00; per 1000 seeds, \$9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture.

25 seeds	.....	\$0.25
100 seeds	.....	.85
1000 seeds	.....	8.00

English Grown Giant Cyclamen.

Price, 100 Seeds, \$1.00: 1000 Seeds, \$9.00.

Princess May. Pale pink.

Princess of Wales. Giganteum variety. Pink.

Mauve Queen. Giganteum variety. Mauve.

Duke of Connaught. Giganteum variety. Purplish crimson.

Duke of Fife. Giganteum variety. Dark Rose.

Salmon Queen. New extra choice color.

Rosy Mora. Giganteum variety. Delicate rose color. Claret base.

Picturatum. Giganteum variety. Light rose tinted, with claret base.

Grandiflora alba. The largest giant white grown.

Excelstor. Giganteum variety. White, with red base. Extra large flowers.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

VOLUME
1
NUMBER
11

Boddington's Store News

SATURDAY, SEPTEMBER 17, 1910.

PUBLISHED
EVERY
NOW AND
AGAIN

Remember you may deduct 5 per cent if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS.

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 13, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

THE RIGHT TIME TO SOW SWEET PEAS FOR CHRISTMAS FLOWERING IS IN AUGUST AND SEPTEMBER.

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6,000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOW-BIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cents, ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in the latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 4 cts., ½ lb. 6 cts., lb. \$1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.50, lb. \$2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.
Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.
Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.
Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.
Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. \$1.00, lb. \$1.75.
Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

Arthur T. Boddington, Seedsman, 345 W. 14th St., NEW YORK

Baltimore.

BUSINESS IMPROVING.

It is generally agreed among the dealers that business is improving, but good flowers are not plentiful. It is true that there has been plenty of asters, but their finish is in sight. While some very good roses are seen, there is no surplus. Gladiolus are about finished and it is feared that on account of so much dry weather during the summer, the supply of dahlias will be short. Little attention is given to the growing of American Beauty roses in this vicinity, but My Maryland, Radiance, Killarney and Golden Gate are very good.

NOTES.

The Misses Matilda and Rose K. Held are on a European tour. They left this city in July, and have visited the cities of Berlin, Bremen, Dresden, Frankfurt, Brussels and Cologne. They spent some time at the Lakes Constance and Lucerne in Switzerland, going next to Paris. They expect to reach home about the last of September. During their absence, their sister, Miss Lena Held has successfully managed the business, which is still conducted at 32 South Eutaw street under the name of Mrs. Chas. Held.

By taking advantage of the long sheds on the pier, nearly all the sports on the programme were carried through but the baseball game had to be given up. Prizes for the various events were donated by Robt. Graham, Jr., C. L. Seybold, Florists' Exchange employees, J. W. Boone, W. Tilton, P. B. Welsh, F. C. Barnes, J. J. Perry, Lehr Bros., Geo. Eberle, M. Thou, A. G. Fiedler, James Hamilton and O. H. Guerth. A number of fine scarf pins

Carnations

125 Bountiful, 200 Carnegie, \$4.00 per 100. Fine plants. Will exchange for Princess of Wales Violet Plants.

A. G. PRINCE, Iowa City, Ia.

and cuff buttons were won by the bowlers.

Mrs. W. B. Sands, of Lake Roland, has been seriously ill for the past two weeks, but is now reported as improving. Mr. Sands has long been the local representative of the American Florist, and he and his family are highly respected by the trade of this city.

The Gardeners' and Florists' Club held its annual picnic at Bayshore Park on September 1. There was a good attendance. A heavy rain about noon somewhat marred the occasion, but everybody made the best of it.

Otto Bauer, manager of the Washington Florists' Co., Washington, D. C., visited this city September 9, accompanied by several friends. Mr. Bauer is a brother of F. C. Bauer, the well known grower of Govanstown.

It is stated that the Fernery, 1421 North Charles street, will change hands on October 1. It is understood that the new proprietor, Mr. Wilcox, will make great improvements.

Chris. Gregarius, of the Pimlico greenhouses, visited the Rochester Convention and also Niagara Falls. He is enthusiastic about both as well as about Baltimore in 1911.

Edwin A. Seidewitz shows an unselfish disposition in handing his customers a card on which is inscribed minute directions how to keep cut flowers.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the Best.

S. A. Nutt. \$11.50 per 1000.

Poltevine. 14.00 per 1000.

Ricard. 14.00 Per 1000.

Grown right. Rooted right.

Packed right. Named right.

All sold until November. Better get your order placed for November delivery.

Coleus. Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

A. M. HERR,
LANCASTER, PA.

The store of Mary Paterson Johnston, 221 West Madison street, shows a number of fine features, noteworthy being a nice conservatory well stocked with palms.

John J. Perry and C. L. Seybold acted as judges of the horticultural exhibits at the state fair, which was held at Limoulim this week, ending September 10.

The Halliday Bros., 329 North Charles Street, are showing good stock, much of which comes from their own greenhouses. S. B.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

CHICAGO.—Peterson's Nursery patrons are receiving attractive souvenirs in form of leather pocketbooks and gardeners' rule-knives.

Railroad Gardeners' Convention.

The American Association of Railroad Gardeners, which has now changed its name to The Railway Gardening Association, held its fourth annual meeting at Boston, Mass., September 5-6. About 50 were present, members and wives. The membership consists of men who hold positions under the different railroad systems as landscape gardeners and superintendents of the floral departments. Fifteen new members were added to the previous enrollment of 41. The officers holding over from last year were: George B. Moulder, Illinois Central, Chicago, Ill., president; Patrick Foy, Norfolk and Western, Roanoke, Va., vice-president; J. S. Butterfield, Mo. Pac. System, Lee's Summit, Mo., secy. and treas. Executive Com., John Gipner, Mich. Central, Niles, Mich.; J. E. Smith, Pennsylvania, Ridley Park, Pa.; C. H. Tritschler, N. C. & St. L., Nashville, Tenn.

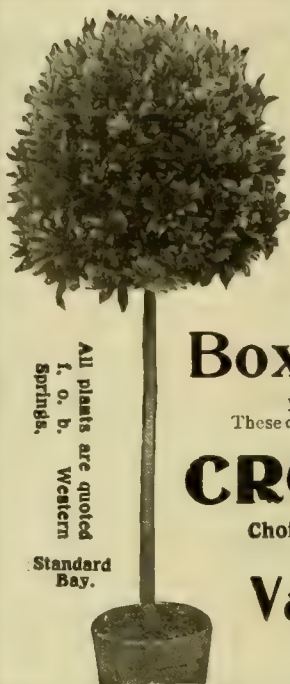
The new officers are: Patrick Foy, president; J. E. Smith, vice-president; J. E. Butterfield, sec'y. and treas. Executive Com., A. V. Smith, Pennsylvania, Ridley Park, Pa.; F. W. Vail, Central of New Jersey, Dunnellan, N. J.; H. A. Bode, Illinois Central, Champaign, Ill.

A publicity committee was added to which N. S. Dunlop, Canadian Pacific, Montreal, Quebec, was appointed.

The date of the meeting happening on Labor Day the Convention was adjourned from the Crawford House, Boston, to the Boston and Albany R. R. depot at Woodland, where a session was held, and papers were read. J. A. Byrne, Baltimore & Ohio, Relay, Md., spoke on "Arrangement of Ideal Station Grounds"; J. Gipner, Mich. Central, Niles, Mich., on "Trials of Railroad Gardener"; R. J. Rice, Mich. Central, Niles, Mich., on "Effect of Railroad Gardening on the Traveling Public"; C. H. Tritschler, Nashville, Chattanooga and St. Louis, Nashville, Tenn., on "How to Grow Carnations"; N. S. Dunlop on "Neater Appearances"; E. A. Richardson, Boston and Albany, Newtonville, Mass., on "The Cinder Problem." A letter from Robt. W. Wallace discussed "The Station Prize System," and a paper by H. A. Bode on "Propagating Shrubs." The retiring president, Geo. B. Moulder, then addressed the convention.

The second day the whole body of delegates left the hotel at 8:30 a. m. for a trip to Beverly, Riverside and Arlington. And the third day was given to a ride through the Boston park system. The next meeting will be held in Chicago, Aug. 15-18, 1911. A beautiful printed and illustrated souvenir was prepared by E. A. Richardson, landscape gardener of the Boston and Albany R. R., Boston, Mass.

W. T. H.



BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each
45-48 in.	26 in....	\$7.50	45-48 in.	30 in....	\$10.00
46-50 in.	28 in....	8.00	46-54 in.	34 in....	12.00
			46-53 in.	40 in....	15.00

Box Trees

Bush Shaped

These do not come in tubs.

Height.	Each.	Doz.	100
10 to 12 in.	\$0.30	\$3.00	\$20.00
12 to 15 in.	.35	3.50	25.00
15 to 18 in., light	.40	4.00	30.00
15 to 18 in. heavy	.45	4.50	35.00
18 to 20 in.	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch	\$0.20	\$ 2.00
4 inch	.35	3.50
5 inch	.60	6.00
6 inch	1.00	10.00
7-inch	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

Clematis Paniculata

25,000 Seedlings, 75 cents per 100.
I grow my own seeds, True to Name.

Samuel V. Smith,

3323 Goodman St., Philadelphia, Pa.

Trade Lists of Nursery Stock.

At the thirty-fifth annual meeting of this Association, held in Denver Colo., June 8, 9 and 10, 1910, Mr. J. H. Dayton, Painesville, O., reported for a committee appointed at the 1909 meeting to consider suggestions contained in a paper read by Mr. Dayton. This committee, composed of Messrs. Dayton, Irving Rouse and Wm. Pitkin, recommended as follows:

"That our lowest prices or trade lists should be mailed only to nurserymen or dealers with established headquarters, who are known to be actively engaged in the trade.

"That some effort should be made to have our price lists and quotations to orchardists and retail buyers nearer a uniform basis for same grade and varieties of stock.

"That as the practice of cutting prices as the season advances is one of the great demoralizers of both the wholesale and retail trade, established rates should be adhered to throughout the season.

"That parks, cemeteries, and other public institutions are not in the trade and are not entitled to trade rates.

"That stock shipped on orders of landscape architects and invoiced direct to their customers should be billed at same retail rates as if the order came direct from the planter."

The report was unanimously adopted.

DES MOINES, IA.—The Iowa Seed Co. furnished bouquets for every man and woman who participated in the Labor Day parade Sept. 5, there being about 6,000 people in line.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet

FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

PEONIES

Best Cut Flower varieties grown.

First Prize White	\$15.00 per 100
" Pink	9.00 per 100
" Red	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio.

Calla Bulbs..

Calla Bulbs, fine, 1 to 1 1/4-inch diameter, \$3.00 per 100; \$25.00 per 1000.

Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
Route 1, Box 54. HOLLAND, MICH.
Mention the American Florist when writing

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....
PAINESVILLE, OHIO.

Buffalo.

Everything in the shape of weather that suggests fall has been what we have had since September set in, rain, cool and sunshine, which makes all look forward to business. The past week has been a busy one for funerals, Palmer and Anderson's having some large orders. Anderson's work necessitating his sending men to Lockport and Rochester. Gladioli are now at their best, perfect flowers and good varieties. My Maryland roses are good, also American Beauty. White roses and carnations are very scarce. Asters are plentiful, but only fair in quality.

There was another good meeting of the Florists' Club September 6, the principal business being the flower show, which is now an assured thing. W. F. Kasting is chairman and with his past experience in other affairs, the success of the event is assured. Exhibits of the local growers will greatly add to the beauty of the show.

Good & Halliday have opened up their wholesale house and seem well pleased with their start.

F. C. Brown, formerly of Toronto and Philadelphia, is now with S. A. Anderson.

The next week will be a busy one, store openings being announced.

BISON.

Lenox, Mass.

The monthly meeting of the Horticultural Society was held in the Town Hall on Sept. 3, when members were treated to a great display of Dahlias, staged by A. H. Wingett, superintendent for Charles Lanier. Three types, Cactus, Show, and Pompons, were represented in thirty-six varieties. The best of these were: W. W. Rawson, Sylvia, Annie Boylin, Chas. Lanier, Giesha, Queen Wilhelmina, Queen Emma, Catherine Duer, Countess of Lonsdale, Earl of Pembroke, Duchess of Cambridge, Romeo, Acquisition, Ella Kramer, Bertha Von Sutton, Mrs. Wirth, Aug. Norrin, John Walker, Empress of Austria. A diploma of commendation was awarded the exhibit. He also exhibited a giant melon, Vieux's Perfection, 24 pounds in weight, for which he was awarded a first class certificate. This is the first year he has attempted to grow Perfection; rightly named for its allround qualities, size, flavor, and depth of flesh. One of them weighed over 31 pounds. Mr. G. Instom, his able foreman, deserves a fair share of praise in growing them so successfully.

E. A. Jenkins, one of the Bar Harbor judges, reported on his visit there. He spoke very highly of the show, and how well the Bar Harbor gardeners had treated him.

Mr. Foulsham had on view the silver cup, presented by Mr. W. B. O. Field, for the best collection of twelve varieties of vegetables at the fall show.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen and Florists **Rutherford, N. J.**

A BLUE ROSE

The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

It is known as the president's cup, to be won twice before it can be lifted, and take it from me, it's worth winning.

At the previous meeting four new members were enrolled. They were: S. Foulsham, O. Whittemore, L. Nichol-

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies. Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Ias, and J. McGregor. Under the new constitution they had to be balloted for, but each was elected without opposition.
J. W. P.

2^d ANNUAL AUCTION SALE

— OF —

Choice Foliage Plants

CONSISTING OF

**Palms, Ferns, Pandanus, Ficus, Araucarias, Crotons,
Dracenas, Assorted Ferns, Bay Trees.**

Also **Hyacinth, Tulip and Lily Bulbs.**

**Sales Tuesdays and
Fridays, at noon.**

W. ELLIOTT & SONS, 42 Vesey St., New York

Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00
Chinese Primroses, 3½ in.	5.00	
Christmas Peppers, 2¼ in.	2.50	
3 in.	5.00	
500 at 1000 rates. Cash with order.		

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Robert Craig Co...

**HIGH
CLASS PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Washington.

The Florists' Club held its meeting in the store of Gude Bros., 1214 F street, Sept. 6th. The special committee on flower show reported favorably upon an exhibition to be held the first week in November in Convention Hall. After the business meeting all adjourned to the basement which had been fitted up as a rathskeller and royal good cheer enjoyed. The victory which was won by the home bowlers at the convention at Rochester was appropriately celebrated.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great **Araucaria Importer, Grower and Shipper**? These so well favored, everlasting green decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Excelsa Glauca**, are in favor more than ever this year.



Belgium to protect and select for my customers the best of **Araucarias, Azaleas, Palms, etc.**, that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers 2-3-4-5 years old, 35c. 50c. 60c. 75c. \$1.00. \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6 in. pots. \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c. \$1.00 \$1.25 \$1.50. \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

This is our 25th anniversary since we began importing **Araucarias**. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in **Araucarias** and **Azaleas**. The trade is well informed that for many years past I go personally to

Kentia Belmoreana, 25 31-35-40 in. high, 5-5½-6-7 in. pots, 5-6 7 years old, 50c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, pale pink, 4-in., 25c; 6-in., 50c.

Our Ferns this year are exceptionally very fine.

Boston, Scottii, whitmani and **Scholzii**, 5½ and 6 in., 35c, 40 and 5c; 7-in., large bushy plants, 75c to \$1.00.

Pteris Wilsonii, in 6-in. pans. nice plants, 25c.

Neph. Todeaoides, New London Fern, 2½-in., 5c; 3 in., 7c.

Special to Close Out: 4-in. **Whitmani** and **Scottii** Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Rubber Plants, 6 in. pots, 35c and 40c.

Asparagus Plumosus, 2½-in. 3c; 3 in., 5c; 4-in., 10c.

Asparagus Sprengerii, 2½-in., 3c.

Sago Palms, 6-7 8 in. pots, from 5 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; and 4-in., 12c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Primula Chinensis, 4-in. pots \$10.00 per 100.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 3½-in. pots, strong, \$5.00 per 100.

Hydrangea Otaksa, pot-grown, 6-in., 25c.

Azaleas, good well-shaped plants, **Deutsche Perle**, **Simon Mardner**, **Niobe**, **Van der Cruyssen**, **De Schryveriana** 75c. \$1.00, \$1.25, \$1.50 and \$2.00.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERN

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Grafted Pink Killarney

500 3½-inch Grafted Pink Killarney
at 10 cents each.

POEHLMANN BROS. CO.,

MORTON GROVE, ILL.

Send Advs. Early for Best Service.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates, Killarney, 3-in., \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

SMITH'S

Chrysanthemum Manual

40c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.
NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: Oncidium Varicosum Rogersii, O. Marshallianum, O. Forbesii, Lælia Purpurata, L. Cinnabarina, Cattleya Citrina, Odontoglossum Grande.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids, Cattleyas

Dendrobiums, Laelias, Odontoglossums.

G. L. FREEMAN CO.

FALL RIVER, MASS.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

Trade Directory

OF THE

United States and Canada.

Price \$3.00 Postpaid.

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Fine stock for immediate sales.

	Doz.	100
2-in.	100	50
3-in.	\$1 00	7 00
4-in.	2 00	15 00
2½-in. Boston, fine stock.	4 50	
4-in.	\$2 00	15 00
5-in.	3 00	25 00
2½-in. Whitman,	5 00	
4-in.	2 00	15 00
5-in.	3 00	25 00
2½-in. Amerpholli,	4 50	
2-in. Asparagus Sprengeri,	2 50	
3-in.	1 00	6 00

	Doz.	100
2-in. Assorted Ferns, dishes.	\$3 00	
4-in. Celestial Peppers,	7 00	
4-in. Jerusalem Cherries,	7 00	
2½-in. Cocos Weddelliana	\$2 00	15 00
4-in. Araucaria Excelsa,	Each	Doz.
2-3 tiers	\$ 50	\$6 00
6-in. Araucaria Glauca,		
3-4 tiers	1 75	
6-in. Araucaria Compacta,		
3-4 tiers	1 75	
Kentia Belmoreana,	Each	
6-in. pot, 5-6 leaves	\$1 25	
4-in. pot, per 100, \$35.00	35	
2½-in. pot, per 100, 10.00		

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400 Richmond, 3-inch, at.....	\$12.00 per 100
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All 2-in. fine stock.

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900 Winona,
100 White Enchantress,
350 Pink Enchantress.

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Field-Grown Carnations

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White Enchantress.....	6 00	50 00
Pink Lawson.....	5 00	40 00
Variegated Lawson.....	5 00	40 00
Lawson-Enchantress.....	5 00	40 00
W. H. Taft.....	5 00	40 00
Enchantress.....	5 00	45 00
Victory, small.....	4 00	35 00

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THE FLORIST

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	Per doz.	Per 100
Officinalis (Mutabilis) Alba. Blush white.....	\$1 50	\$10 00
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Write for special quotations on large quantities. Our Fall wholesale list is mailed to florists and nurserymen. If you receive no copy, write for it.

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Best varieties \$1.00 per 100; \$7.50 for 10,000

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Carnations

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La Fayette, Ind.

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	Per doz.	Per 100	Per 1000
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Achille. Beautiful soft mauve, changing to rose tinted white.....	1 50	10 00	90 00
Andre Lauries. A fine tyrian rose; late.....	1 25	8 00	75 00
Baroness de Rothschild. Violet rose, with lighter shading.....	1 25	8 00	75 00
Canary. Fine large early white, with creamy centre.....	2 00	15 00	
Chrysanthemiflora Rosea. A fine large early deep rose pink, with paler shadings; early	1 25	8 00	75 00
Charlemagne. Rose tinted white; flowers of very large size and good substance.....	3 00	20 00	
Candidissima. Sulphur yellow.....	2 00	15 00	
Couronne d'Or. Creamy white; yellow stamens.....	5 00	40 00	
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Duke of Wellington. One of the finest double white sorts; very free flowering.....	3 00	20 00	
Duchesse de Nemours. An extra fine large pure white	2 00	15 00	
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Festiva Maxima. Pure white, centre petals tipped red. This is the very large white variety, the most popular for cut flowers.....	2 00	15 00	140
Grandiflora Rosea. Brilliant rosy carmine; large and double.....	2 00	15 00	
Grandiflora Carne Plena. Flesh; sulphur centre.....	1 50	10 00	90 00
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Hamel Rosea. Deep rose	1 50	10 00	90 00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	3 50	25 00	
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Mme. de Verneville. Broad sulphur-white guard petals; centre delicate rosy white	3 50	25 00	
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Mme. Calot. White, tinted rose, changing to creamy white; fine.....	3 50	25 00	
Mme. Crousse. Cream guard; blush white centre; tinted violet	3 50	25 00	
Paganini. Light solferino-red with lighter centre.....	1 50	10 00	90 00
Pomponia. Guard petals rosy mauve; primrose yellow centre, changing to creamy white.....	1 50	10 00	90 00
Queen Victoria. A good early white.....	1 50	10 00	90 00
Reine des Fleurs. Rosy pink.....	2 00	15 00	
Reine des Roses. Pale rose lilac; centre cream and pink	3 00	20 00	
Victoire Modeste. Blush rose and white.....	1 50	10 00	90 00
Victoire Tricolor. Guard petals delicate lilac rose; centre light salmon yellow.....	1 50	10 00	90 00
Zoe Calot. White, suffused with delicate rose.....	2 00	15 00	

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Full line of H. P's. M. Niel, etc.

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SPRINGFIELD-OHIO

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10,000 Enchantress. 5000 Beacon.

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NURSERYMEN AND FLORISTS,
Lockport, New York.

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The Remedy for
Your Condensation
Troubles.



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Investment With
Guaranteed Results.

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NON-RETURN.

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Araucaria excelsa. For sizes and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, Anton Schultheis, College Point, L. I.

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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$5 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus. For prices and varieties see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengeri, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, fine stock, 3-in., \$4 per 100; Sprengeri, fine stock 3-in., \$3.50 per 100. John A. Keller, Lexington, Ky.

Asparagus Sprengeri, 2½-in., 2c. Fine 4-in. stock ready for benching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2-in., extra-strong, 2c; \$17.50 per 1,000. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Araucarias, McHutchison & Co., 17 Murray St., New York.

AUCUBAS.

Aucuba Japonica, 35c to \$3 each; also plants, \$4 to \$6 per doz. Anton Schultheis, College Point, L. I.

AZALEAS.

Azaleas, Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 4-in., 25c. Lousdale, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Begonia Glory of Cincinnati, J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs. Narcissus Paper White Grandi., Star Brand, \$11 per 1,000; fancy grade, \$9. Roman hyacinths, 11-12 ctm., \$19 per 1,000; 12-15 ctm., \$24.50. Liliun formosum, 7-9 in., \$70 per 1,000; 9-10, \$90; 10-11, \$100. Liliun Harrisii, 5-7, \$40; 6-7, \$60; 7-9, \$85. Chinese lilies, callas, freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Paper White Grandi., \$8 per 1,000. Empress, Dbl. von Sion or Princess, \$10. Empress, Dbl. Stella, Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Callas, 1 to 1½-in., \$3 per 100; \$25 per 1,000. Berrydale Exp. Gardens, Holland, Mich.

Bulbs, Japanese lilies. Formosum, Gigantum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs, Liliun longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds, 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, of all kinds. Henry F. Michell Co., Philadelphia.

Bulbs, of all kinds. Jas. Vick's Sons, Rochester, N. Y.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

CANNAS.

Cannas, fall or winter delivery. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATIONS.

	Medium Sized Plants.	
	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
Victory	6.00	50.00
White Lawson	6.00	50.00
Pink Lawson	6.00	50.00
Winsor	5.00	45.00

51 Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

	100	1,000
Enchantress	\$6.00	\$50.00
Winona	6.00	50.00
Aristocrat	4.00	35.00

Carnations, field-grown, Admiration, Scarlet Glow, Shasta, Sangamo, Mary Tolman, Conquest, Mrs. C. Ward, 1st size, \$12 per 100; 2nd size, \$8. Enchantress, \$6 per 100. Vaughan's Greenhouses, Western Springs, Ill.

Carnations, White Perfection, Sarah Hill, White Enchantress, \$6 per 100; \$50 per 1,000. Pink Lawson, Var. Lawson, Lawson-Enchantress, W. H. Taft, \$5 per 100; \$40 per 1,000. Enchantress, \$5 per 100; \$45 per 1,000. Small Victory, \$4 per 100; \$35 per 1,000. Scheiden & Schoos, Evanston, Ill.

Strong, clean, field-grown CARNATION PLANTS: Per 100
Boston Market (\$30 per 1,000).....\$3.50
Enchantress 5.50
Nelson 4.00

Cash with order.
Geo. Munro, 2512 Touhy Ave., Chicago.

Carnation plants: 1,500 White Lawson, \$5 per 100; 1,400 Pink Lawson, \$5 per 100; 100 Winona, \$5 per 100; 100 Lawson-Enchantress, \$5 per 100; 250 Queen Louise, 2nd size, \$3 per 100. These are all nice plants. Sunnyside Greenhouses, 214 W. Main St., Owosso, Mich.

Carnations, 300 Winsor, 150 Victory, 900 Winona, 100 White Enchantress, 350 Pink Enchantress. Hoerber Bros., 51 Wabash Ave., Chicago.

Field-grown carnations. Rose Pink Enchantress, \$6 per 100; \$55 per 1,000. Cash with order. Harry Heintz, West Toledo, O.

Carnations, Lawson, Enchantress, Lady Bountiful, \$4 per 100; \$40 per 1,000. Alfred Hannah & Sons, Grand Rapids, Mich.

Carnations, 10,000 Enchantress, 5,000 Beacon, \$5 per 100. D. T. McCarthy & Sons, Lockport, N. Y.

Carnation, Christmas Cheer, \$15 per 100; \$125 per 1,000. Henry Eichholz, Waynesboro, Pa.

Carnation, 800 Apple Blossom, \$6 per 100. Bard & Davis, Syracuse, N. Y.

Carnations, 100 fine Lawson plants for \$3. Albert J. Mueller, Carlville, Ill.

Carnation Sangamo, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Bountiful, Carnegie, \$4 per 100. A. G. Prince, Iowa City, Ia.

Carnations, F. Dorner & Sons Co., Lafayette, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Tonsen, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C. \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu, \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemum, Jennie Nonin, fine 2½-inch, \$2 per 100; \$15 per 1,000. Geny Bros., 712 Church St., Nashville, Tenn.

Chrysanthemums, Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, seedlings, 75c per 100. Sam'l V. Smith, 3323 Goodman St., Philadelphia.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

COLEUSES.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Colens Brilliance, 3-in., \$1 per doz.; \$4 per 100. Golden Bedder, Verschaffeltii, etc., 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 60c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 3x4 in., \$3 to \$4 per doz. Anton Schultheis, College Point, L. I.

CYCLAMENS.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz., \$15 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremunstown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen grandif. 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CINERARIAS.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracena fragrans. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, from \$1 to \$3 each. Anton Schultheis, College Point, L. I.

Dracena Massangena and Lindenii, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Ferns for dishes, asst., 2-in., \$3 per 100. Amerpohl, 2½-in., \$4.50 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

HARDY FERNS.

Adiantum pedatum (maidenhair), Asplenium Felix-famina (lady fern), Onoclea sensibilis, Onoclea struthiopteris (ostrich fern), Osmunda cinnamomea (cinnamon fern), Osmunda Claytoniana (interrupted fern), Pteris aquilina (brake fern). Sample specimens, 10c each. Write for prices on stated quantities.

Ludwig Mosbak, Askov, Minn.

Ferns from bench: Boston and Elegantissima, 4-in., 10c; 5-in., 12½c. Whitman and Amerpohl, 3, 4 and 5-in., 8c, 12c, 15c. Scottii, 3-in., 6c; 4-in., 10c. Runners, Boston, Elligantissima, Scottii, \$1 per 100. Whitman and Amerpohl, \$1.50. Byer Bros., Chambersburg, Pa.

Ferns, Elegantissima, improved, 6-in., 50c; Specimens, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantissima Compacta, 4-in., 25c; 3-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-inch pans, \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantissima, 3-in., 10c; 2½-in., 5c. Pierson and Elegantissima, 4-in., 15c. Mosbak Greenhouse Co., Onarga, Ill.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, Scottii, Whitman, Scholzell, 4-in., 25c; 5, 5½ and 6-in., 35c to 50c. Ferns for dishes, assorted, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns from bench, Boston, Pierson, Whitman and Elegantissima, ready for 6 to 10-in. pots, 40c to \$1. Mosbak Greenhouse Co., Onarga, Ill.

FERNS, Pierson, Elegantissima, Barrows, Whitman, 2½-in., \$3 per 100. Selaginella, 2½-in., \$3; 3-in., \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2½-in., \$3 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Nephrolepis Smithii, 3-in., 25c each; \$15 per 100. William S. Clark, 1270 Bladensburg Rd., Washington, D. C.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Ferns, Whitman, 4-in., 25c; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Giatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

FICUS.

Ficus pandurata, 6-in., \$2.50 each; 7-in., \$3.50. Ficus ripens, 2-in., 50c per doz.; 3-in., \$1. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Costelline, Poitevine Joulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Salieri, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

GERANIUMS, 10,000 Beate Poitevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, O.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, rose, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, best sorts. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 3840 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

HARDY PLANTS. All of the most desirable kinds. Give list of wants and we will quote prices. Wagner Park Conservatories, Sidney, O.

Hardy Perennials. Special prices on field-grown stock. Mosbak Greenhouse Co., Onarga, Ill.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2½-in., \$2.50 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Heliotrope Centiflor, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teus, Centerville, Ind.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy field-grown plants, \$8 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Jerusalem cherries, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Jerusalem cherries, 2½-in., \$5 per 1,000. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs. Jaes Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jaes Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Maun, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jaes Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacaus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsch & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansies, select strains, fine plants and colors. \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Palms, Cocos Wedd. 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

PALMS. Kentia Bel., 18 to 20 inch, heavy, \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Kentias. McHutchison Co., 17 Murray St., New York.

Palms. Kentias. Joseph Heacock Co., Wyandotte, Pa.

Palms. John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$6 per doz.; 7-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Pandanus Veitchii, 5½-in., \$1 each; 6-in., \$1.25; 7-in., \$1.50; 8-in., \$3. Anton Schultheis, College Point, L. I.

Pandanus Veitchii, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies. Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Dreer's peonies. For varieties and prices see advertisement elsewhere in this issue. H. A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies. McHutchison & Co., 17 Murray St., New York.

Peonies, 1st prize white, \$15 per 100; pink, \$8; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies. Send for list and prices. Vaughan's Seed Store, Chicago and New York.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechslin, 4911 Quincy St., Chicago.

Celestial peppers, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

POINSETTIAS.

Poinsettias, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Poinsettia (double), 3-in., 25c each; \$15 per 100. William S. Clark, 1270 Bladensburg Road, Washington, D. C.

Poinsettias, 2½-in., \$4 per 100. Cash with order. Harry Heintz, West Toledo, O.

PRIMULAS.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and gigantea in 10 selected var., good value, \$3 per 100; 500 or more \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken, P. O., N. J.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. KEWENSIS, 3c. J. L. Schiller, Toledo, O.

Primroses, Chinese and Forbesi, 2½-in., \$1.75 per 100; \$15 per 1,000. Obconica, alba, rosea, \$2 per 100. Ob. Gigantia, \$3. Jos. H. Cunningham, Delaware, O.

Primroses, 2-in., Chinese, Obconica, alba, lilac, rubra, hybrida, rosea, \$2 per 100. Carminica, Kervensis, Sanguinea, \$3 per 100. Byer Bros., Chambersburg, Pa.

Primula obconica, giant flowering, 4-in., ready for 6-in. pans, fine, 15c each. John A. Keller, Lexington, Ky.

Primula obconica, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil and Kaiserin, 3½-in. pots, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Roses, 300 Brides, 200 Maids, strong 4-in. stock, \$5 per 100; lot for \$18 cash. John A. Keller, Lexington, Ky.

Roses. For varieties and prices see advertisement on front cover, this issue. Vaughan's Seed Store, Chicago and New York.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. McHutchison & Co., 17 Murray St., New York.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, grafted Pink Killarney, 3½-in., 10c. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

SALVIAS.

Salvia Bonier, 3-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Seeds. Quality Christmas sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify, C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, Vaughan's giant-flowered cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Lüneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seed, crimson clover. J. Bolgiano & Son, Baltimore, Md.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

150 3-inch Smilax. Will exchange for Sprenger seedlings. Albert J. Mueller, Carlinville, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, \$1 per 1,000. Parsley, Double Curled, 25c per 100; \$1.25 per 1,000. Cabbage, Premium Flat Dutch, Danish, Ball Head, Sure Head, etc., 75c per 1,000 in any quantity. Give us your order. We can please you. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VIOLETS.

Violets, Princess of Wales, strong, out of 3½-in. pots, \$3.50 per 100; 2½-in., good, \$2.50 per 100. John A. Keller, Lexington, Ky.

Violets, Marie Louise, good, clean, healthy plants, 2½-in., \$2.50 per 100; \$20 per 1,000. Cash with order. Lampert Floral Co., Xenia, O.

Violets, Gov. Herriek, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

3,000 Queen Louise, strong, clean and healthy plants, \$4 per 100; \$35 per 1,000. Cole Bros., Peoria, Ill.

TO EXCHANGE.

To exchange, 100 field-grown Princess of Wales Violets at 5c, for rooted cuttings geraniums. Edgar Easterday, Nokomis, Ill.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 32-36 Randolph St., Chicago.

Demud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Henshaw & Fenrich, 51 W. 28th St., New York.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Forster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburgh, Pa.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburgh, Pa.
 Randall, A. L., Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 N. 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Welland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Wiator Bros., 51 Wabash Ave., Chicago.
 Wittbold, Geo., 739 Buckingham Pl., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 Montreal—McKenna.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandrie Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heinel & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

New boiler, 40 horse power, contains 56 3-inch flues, 12 ft. long and 4 ft. in diameter, cheap. C. C. Pollworth Co., Milwaukee, Wis.
 Boilers, The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3593 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblin & Co., Utica, N. Y.
 Boilers, Lord & Burnham Co., Irvington, N. Y.
 Boilers, Hitchings & Co., Elizabeth, N. J.
 Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

Coal, West Virginia, Ohio, Indiana, Illinois, Covey-Durham Coal Co., 215 Dearborn St., Chicago.

Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{5}{8}$ and $\frac{3}{4}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharf Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Alphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers. \$5 per 1,000; 60c per 100, mailed. J. A. McDoell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1419 Middlesex St., Lowell, Mass.

New Imported Florists' Baskets. The Radelein Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Muller's double improved carnation support. O. A. Muller, Amherst, Pa.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Florists' tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Richmond carnation supports. Eagle Machine Works, Richmond, Ind.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Wrought pipe and fittings, heating boilers, valves. McArdle & Cooney, 507 Arch St., Philadelphia.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

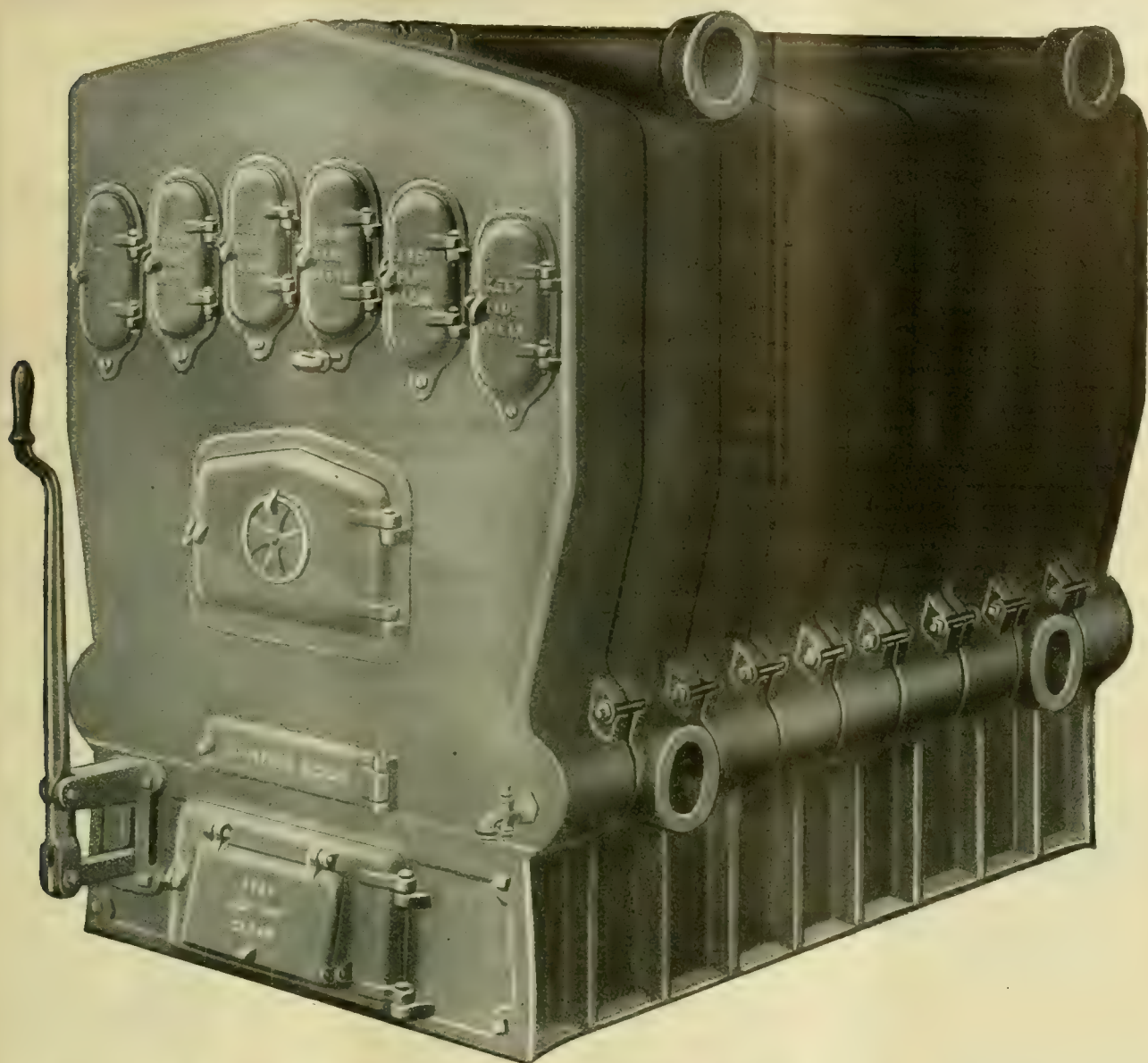
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



That Burnham With Hub Connections

Just the boiler for greenhouses, especially in shallow cellars, as the flow pipe hub connections are no higher than the top of the boiler itself. This means a lot of trouble and expense saved in making connections.

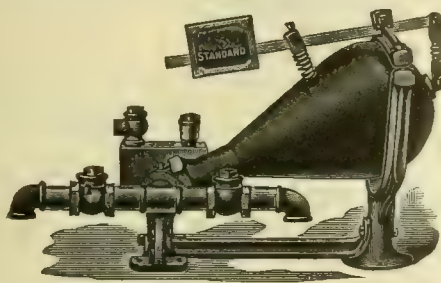
Then after your connections are made, the Burnham will keep money in your pocket through the coal it saves.

This hub boiler is made in 16 sizes. Heats 2,800 sq. ft. to 27,600 sq. ft.

Lord & Burnham Co., Irvington, New York, Boston, Philadelphia, Chicago,
N. Y. St. James Bldg. Tremont Bldg. Heed Bldg. The Rookery

The Grandeur of Flowers.

In all the history of the world nothing has given more pleasure to the eye and the mind of man than the wonderful array of colors with which nature has kindly showered us. The simple and pleasing task of raising flowers for the edification of strained eyes and weary minds is second to no other. The inspiration produced by a neat display of flowers can be likened to the steadfast ambitions of youth. Picture to yourself the sitting room of a home where the wife has decorated the windows with an array of flowers. A few home-made boxes covered with coat of paint, and some sod of earth, and the essentials are at hand. The pleasure of the woman in the care of such a



garden is nothing compared to the delight of the head of the family as he asks, "Well, mother, how is the garden today?"

The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Greenhouse Construction

By Prof. L. R. Taft.

Price \$1.50

AMERICAN FLORIST CO.

324 Dearborn St.,

Chicago.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Cord and Twine at Full Weight.

The following from an upholstery trade publication will be of interest to many of our readers at this time:

President Nathaniel McGrane, of the D. P. Winne Company, 121 Worth street, New York, has done a lot of work in standardizing the cordage business. He has introduced a series of tests by which a purchaser can get exactly the weight and tension of cord or twine wanted for any purpose, frequently at a revolution in his cord and twine buying methods, but many times at a remarkable saving in cost. Now Mr. McGrane is doing yeoman work in putting into practice a reversal of the cordage trade policy that has obtained for years. The letter he is sending to the larger consumers of cord and twine is as follows:

"Our new standard is 16 ounces of twine to the pound. Trade custom has been to weigh paper, burlap, woolen reels and all coverings, and charge as twine. We welcome this opportunity, and to show our appreciation for your trade we will guarantee all tare deducted on twine you may purchase from us. Many manufacturers are fighting hard to retain old "trade custom," and we ask for your co-operation to weigh all goods carefully. Thanking you for your repeated favors, we remain," etc.

Two or three manufacturers, including the Linen Thread Company, have announced that they deduct all tare on these goods, but many manufacturers do not, and still charge cord and twine prices for the burlap, paper, woolen reels, barrels, etc. Notwithstanding that the new practice among manufacturers is not general, the D. P. Winne Company, as extensive dealers, have taken the bull by the horns and are buying all their goods with tare deducted from weight, and selling exactly 16 ounces of cord and twine for a pound, even though some manufacturers have not adopted this new practice.

If buyers will see that they receive 16 ounces of cord and twine to the pound, exclusive of package, wrapping, etc., and only take cord and twine under these conditions, they will assist this excellent trade reform. But they will be sure of getting this weight, and a cord or twine assured to be, by test, exactly adapted to their requirements, by connecting with the D. P. Winne Company. A recent letter of Mr. McGrane's to the Cordage Trade Journal is as follows:

The obstinate stand taken by some manufacturers on the now all important subject of having them issue revised price lists based on their guaranteeing to deliver 16 ounces of twine to the pound rather suggests a condition a little like the Irishman's pig. You must make him think you want him to go to Dublin in order to get him into Cork.

WHY

ARE WE SUCCESSFUL IN

Greenhouse Construction

Because we know how to do it and apply to the subject scientific knowledge regarding all the strains and conditions in a greenhouse as well as a wide experience in all kinds of construction. Write for Bulletins.

King Construction Co.,

NORTH TONAWANDA, N. Y.

Get Our Estimate at Once. Don't Hold Back Your Order.

We can ship promptly

Louisiana Red Cypress Greenhouse Material

Steel Gutters, Trusses, Purlins, Pipe, Fittings, Ventilating Machinery, Hot Bed Sash, Pecky Cypress.

The Foley Manufacturing Co., Western Ave. and 26th St., CHICAGO.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Sheep's Head Brand

Pulverized Sheep Manure



NATURAL GUANO COMPANY,

The Ideal Plant Food for Florists.

Write today for Prices and Booklet.

Aurora, Ill.

Many are just pretending that it is an abuse being forced upon them and that they cannot afford to give away paper, burlap, tubes, cones, reels or barrels as is called for to pack twine as fits the trade requirements. But they are reminded that the new idea of delivering 16 ounces of twine to the pound is with the understanding, that all admit, prices must be advanced to a basis so that the manufacturers will be paid for all the paper, burlap, paper tubes, paper cones, wooden reels, bar-

Has stood the test of over a Quarter of a Century.

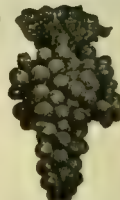
THOMSON'S

Vine, Plant and Vegetable

MANURE

UNRIVALLED FOR

Vines.
Tomatoes.
Cucumbers.
all Flowering.
Foliage and
Fruit bearing
Plants.
Vegetables.
Lawns, etc.



The result of many years practical experience.

PERFECT PLANT FOODS

Sold by Leading American Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum and Topdressing Manure

Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers.

WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

Mention the American Florist when writing

Hardwood Ashes

BEST FERTILIZER Florists, Nurserymen and Seedsmen can use.

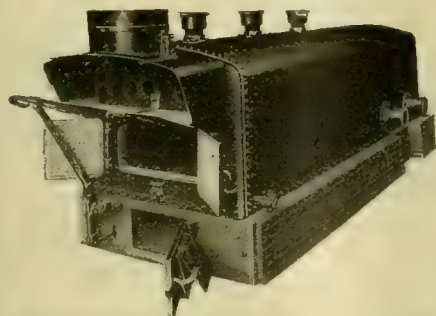
Write for prices.

GEORGE STEVENS, Peterborough, Ont., Can.

Mention the American Florist when writing

The Kroeschell Boiler.

Will give you more heat with the same piping required by other boilers, and with less fuel.



Replaced over 1500 cast iron boilers in the short period of six years.

We can ship any size at once.



More Kroeschell boilers and generators used for greenhouse heating than any other make.



Telegraph Your Order.

KROESCHELL BROS. CO.

452 W. Erie St., CHICAGO.

The Kroeschell Generator.



Gives more pressure than others and holds it.

HIGH GRADE STEAM COAL

THE BEST PRODUCTS OF

West Virginia, Ohio,
Indiana, Illinois

WRITE FOR PRICES.

Covey-Durham Coal Co.,

215 Dearborn St., CHICAGO.

rels or any other package used to put up goods to fit trade requirements. They then fall back with the argument that they will not destroy old trade custom. Remind them that our New York city authorities are forcing the issue and exacting honest weights and their answers are not fit for publication.

Challenge any one of these manufacturers to put their views in black and white, so they can be read by all who are interested in this honest subject, and they refuse.

Trade is being reflected upon by the delays of manufacturers to properly adjust this most important subject. As soon as it is settled you will find trade more healthy and vigorous.

Illinois Coal Strike Ended.

Chicago.—With an aggregate loss of nearly \$20,000,000 sustained by coal operators of Illinois, and a loss in wages of about \$13,000,000 sustained by miners, the five months' strike in the coal fields of this state came to an end with the signing of documents at the final peace conference last week at the headquarters of the Illinois Coal Operators' association, Fisher building. By the terms of this act the miners get virtually all they fought for, including payment of shot firers' wages by the operators and differentials of three cents a ton in Franklin and Williamson counties and two cents a ton in northern Illinois. The settlement affects the entire state of Illinois, except two districts, whose operators seceded from the association and signed



A Light House is the Only Right House

and you don't have to look twice to see how light this house is. It is our Flat Iron Rafter Construction—strong, rigid, durable—the result of years of experience in the development of high grade greenhouses. You cannot afford to go ahead with the building of your houses until you have investigated our method of building them. Drop us a line.

Hitchings & Company

Designing and Sales Office
1170 Broadway New York
Gen'l Offices and Factory,
Elizabeth, N. J.

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS COALS

Preparation and Quality as They Should Be.

up the Peoria agreement previously. By the terms of this agreement the miners will gain \$4,000,000 annually under the new increased wage scales. It was regarded as the greatest victory ever gained by organized coal miners. As a result of the settlement a force of 44,000 miners will return to work as soon as the mines are made ready for operation. The new contract will run until April 1, 1912.

Under the new wage scales the men will receive an average increase of eight cents a ton. The chief factors in this increase are a general increase of three cents a ton for all miners and a raise of 5.55 per cent for shot firers, engineers, firemen, pumpmen, day labor, yardage, and dead work. In addition to the raise of three cents a ton, the miners in Franklin and Williamson counties will get an extra raise

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

of three cents a ton, making it a raise of six cents a ton in those two counties. In the "long wall" mines in the northern field the miners will get an extra raise of two cents a ton, making the increase there five cents a ton. In the Ellisville mines, the men will get a mining rate of 69 cents a ton, which is a raise of seven cents a ton. A rate of \$2.36 a day for eight hours' work was granted firemen in the northern field mines. This is an increase of 15 per cent. Added to the average of eight cents a ton that will go to the miners there will be from two to three cents a ton more to the cost of production by reason of the expensive safety appliances and fire fighting apparatus the mine owners are compelled by law to install in their mines. While the miners will get the benefit of these appliances they will not have to pay for them. As a result of the increased cost of production it is likely that the price of bituminous coal will be boosted 15 cents a ton at least to reimburse the operators for the new costs of increased wages and safety appliances.

Reports originating at Kansas City, Mo., promulgate news that the coal strike in the southwest, affecting about 38,000 miners, has been settled, miners winning.

PRICES ON CARLOAD LOTS.

F. O. B. Chicago. Mines.

Sullivan and Greene—		
—Steam Lump	\$2.80	\$2.00
—Screenings	2.40	1.60
Clinton—		
—Steam Lump	2.70	2.00
—Mine-run	2.40	1.70
—Screenings	2.40	1.70
Pocahontas and New River—		
—Lump and Egg	3.95	1.90
—Mine-run	3.30	1.25
Smokeless (B. & O. and Tug River)—		
—Lump and Egg	3.85	1.90
—Mine-run	3.30	1.25
Hocking Valley—		
—14-inch Lump	3.25	1.60
Kanawha—		
—12-inch Lump	3.50	1.60
Youghiogheny—		
—14-inch Lump	3.50	1.60
—12-inch Lump	3.35	1.45

What Is a Gardener?

The Duke of Bedford, who was represented by his agent, was summoned before Mr. Marsham, at Bow Street Police Court, August 3, for employing five male servants without having proper licenses for them. Mr. Pickford supported the summons on behalf of the London County Council. Mr. Bodkin appeared for the defendant.

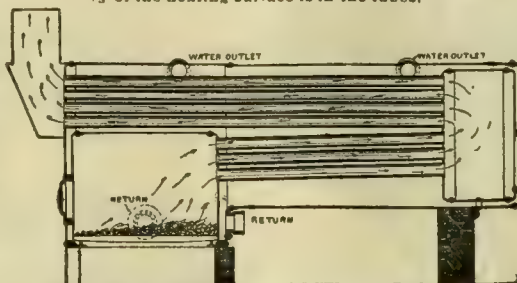
Mr. Pickford stated that the five men in question were employed as gardeners by the Duke of Bedford, their duties being to attend to Bedford Square Gardens, Ridgmount Street Gardens, and a number of spaces at the end of houses on the Bedford estates. There were shrubs, plants and flowers in the gardens, and

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
¾ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



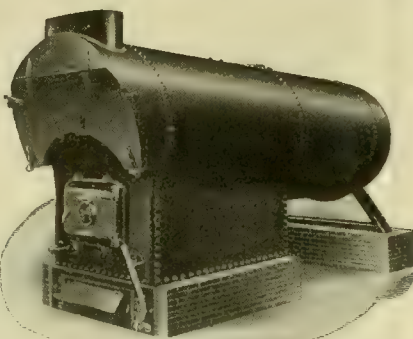
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



The Gem City Return Tubular Firebox Boilers

Are the most economical for
Greenhouse heating.

Send for descriptive matter
and prices.

THE GEM CITY BOILER CO.
DAYTON, OHIO.

BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.



**EVANS' IMPROVED
CHALLENGE
VENTILATING
APPARATUS**
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
6566 RICHMOND, IND.

he (the counsel) maintained that the men who looked after them were gardeners or under-gardeners and therefore came within the act.

George Beck, foreman of the men referred to, said he was employed by the Duke of Bedford and was paid a salary of £2 a week. One of the other men received 32s and the others 30s a week. At one time he was a farm laborer and was afterwards employed by a cheesemonger. He had worked on the Bedford estate for many years. He looked after the gardens, kept the grass cut, and in the spring planted Pelargoniums (geraniums) and stocks. Although he could do that, he did not regard himself as a skilled gardener and would not take charge of a gentleman's garden even if he had the opportunity.

Mr. Bodkin: Of course you can plant a geranium the right way up? (Laughter.)

The Witness: Certainly.

Boiler Flues

4-in. and other sizes, cleaned and trimmed ready for heating, retubing boilers or gutter posts. Prices right. Also sales Agent for Stuttle's Patent Clamp for joining flues.

H. MUNSON,

506 No. State Street, CHICAGO, ILL.

Greenhouse Material and Sash

Of Every Description.

Get our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave Brooklyn, N. Y.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Mr. Bodkin: But you don't propagate flowers?

The Witness: No, we get the geraniums every spring from a firm in Covent Garden. There are only a few geraniums round the edges.



We are shipping orders for

Ventilating Machinery and Fittings

every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.

CYPRESS

IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.

Send for our Circulars.
THE A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

SIEBERT'S ZINC

Never Rust

GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Holds Glass Firmly
See the Point

FULL SIZE
No. 2

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

In reply to the magistrate, the witness said he formerly sowed the seeds of annuals but he had not done so for more than twelve months past.

Mr. Bodkin: Is there a man in this court who has not at some time or another sown mustard and cress in a box, or even on a piece of wet flannel? That does not make him a gardener.

Mr. Bodkin went on to say that the Duke of Bedford disputed this matter, because it was of some importance both to him and owners of property throughout the country who maintained open spaces. A man who worked in a garden was not necessarily a gardener and the men in question simply did rough work which did not bring them within the act. They only put in flowers which had been grown by someone else, and it could not in any sense be said that these gardens were places in which flowers were cultivated. The men were not attached to any establishment; they were not skilled men and they were only paid the wages received by laborers in London.

Mr. Marshal: "One of them received £100 a year. That is not a laborer's wage."

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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Monroe 4994.

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Is a wood that has come into very general use in

Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING
APPARATUS

MASTICA



FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

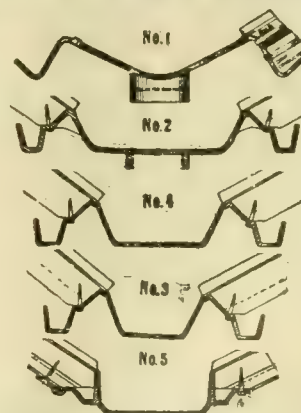
Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLE, Secretary
SADDLE RIVER, N. J.

Mr. Bodkin: The Duke of Bedford being a large employer of labor, pays wages quite up to the standard, and the man you refer to is a kind of foreman.

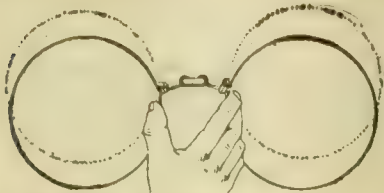
A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

Mr. James Weston Marchant, chief clerk in the Bedford estate office, stated that about 130 dozen geraniums were planted in the gardens in ques-



The Richmond Carnation Support

Beats all others in simplicity of construction, ease of adjustment, quick assembling, and is the only one that can be quickly and easily loosened when stuck with acids.

Write for prices; also on 'Mum and Rose Stakes.'

EAGLE MACHINE WORKS
RICHMOND, IND.

For Photographs of Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator
413-414 Bayward Bldg., Rochester, N. Y.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

tion every year, and he ordered them. Nothing was propagated in the gardens. When a shrub died it was replaced by another one. A laborer's wage in London was 7d an hour. This was the first time the Duke of Bedford had been asked to pay a tax for the men employed to keep the square gardens in order.

Mr. Bodkin: Have you considered the advisability in the event of these men being taxed of employing lady gardeners?

The Witness: I think it will be worth consideration.

The case was adjourned.

On the 10th inst. Mr. Marsham delivered a considered judgment. He said that since the last hearing he had visited the gardens and was impressed by the beautiful array of flowers. He came to the conclusion that the foreman, Beck, was a gardener within the meaning of the act. He had some doubt about the other men, whose wages were 32s a week, but with regard to the other three men they were, in his opinion, not gardeners but men who worked in a garden. In regard to the foreman, he imposed a penalty of 20s, which would include the cost of the license, 15s. It was intimated that there might be an appeal. —Gardener's Chronicle.

Omaha.

NEBRASKA STATE FAIR.

The Nebraska State Fair at Lincoln, Neb., was held Sept. 5 to 10, and was one of the best attended we ever had. Thursday, Sept. 8, the attendance was 42,000 people.

Simanton & Pence, of Fall City, first prize on the best floral wreath, and first on floral basket. This firm must be complimented on the artistic work they exhibited.

L. Henderson, of Omaha, took first prize on plants and cut flowers.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.,

266 North 9th St.,
BROOKLYN, N. Y.

Müller's Double Improved CARNATION SUPPORT



Is the only Support on the market that does not have to be tied overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks For Itself.

O. A. MÜLLER

Pat. Feb. 8 1910.

Ambler, Pa.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

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HALFTONES, ENGRAVINGS and PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

The Regan Printing House LARGE RUNS OF CATALOGUES

OUR SPECIALTY—

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

The Florists made a very creditable Floral Display in potted plants and cut flowers.

Chas. Green, of Fremont, Neb.,

McArdle & Cooney

507 Arch Street,

PHILADELPHIA, PA.

Wrought Pipe and Fittings.

Heating Boilers, Valves.

And all Appliances for

GREENHOUSE HEATING.

Catalogue on Application.

Mention the American Florist when writing

WIRE cut in any length Silver, Green Cotton, & Green Lacquered Wire.

Syringes, Wire-Shears, Pincers, etc. at VERY MODERATE PRICES.

Carriage paid to Hamburg on all goods over \$25.00.

PRICE LIST FREE ON APPLICATION

W. UNGEHEUER SÖHNE, Manufacturers of Wire and Wire Goods,
HÖCHST-ON-MAIN, GERMANY.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Plant Bed Cloth

For Florists Gardeners. Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

second prize on plants and first on palms and new and rare plants.

Doyle Floral Co., of Beatrice, Neb., second on cut flowers. GRIPPE.

NOW READY

—The American Florist Company's—

Trade Directory **For 1910**

Contains 570 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

San Francisco.

TRADE IMPROVING.

Trade conditions for the month of August, 1910, show a fair improvement to the retailers over the same month one year ago. The market at all times was firm, and very little surplus stock was left on hand. Chrysanthemums and violets, while they have been in the market for the past few weeks, are now beginning to be more plentiful. Asters are now beginning to get scarce and the prices, in some instances, have increased 50 per cent. Carnations and roses are still scarce but within a short time this condition of affairs will be somewhat relieved.

There will be an amateur concert and flower show, under the auspices of the Bay City Circle, No. 11, Companions of the Foresters of America, the Washington Literary Society and Lafayette Schools Parents' and Teachers' Association at Lyric Hall, 513 Larkin St., on Labor Day, September 5, in the afternoon at 2 o'clock and in the evening at 8. The evening program will be followed by dancing from 10 to 12 o'clock. Cash prizes will be offered for the best exhibition of flowers. The affair is under the direction of Mme. Ellen Roeckel-Davis, Mrs. Mary D. Roberts assisting.

J. A. Carbone and wife welcomed at their pretty home in Berkeley, quite a number of their florist friends from San Francisco, who called upon them to attend a double christening at the Carbone home. Prominent among those who attended were Frank Pelicano, V. Podesta, V. Matraia, and Chas. Matraia. It is needless to say that this well known nursery man of the coast was a most delightful host as well as a happy father.

J. Fonta, superintendent of Audubon Park, New Orleans, accompanied by his wife, were visitors in this city last week. J. R. J.

Kennett Square, Pa.

This may literally be said to be one of the garden spots of Pennsylvania, for here we find a soil that is friable and easily worked and which responds abundantly to the work of the farmer, florist, or gardener. It is a particularly good soil for carnations, which are made a specialty by a number of growers and their stock is looking fine.

The mushroom growing industry is also carried on here very extensively, and is greatly on the increase. Nearly every florist who has glass has also mushroom houses, and in the construction of many of these expense has not been spared to have them convenient and suitable. A great amount of manure is brought by the car load from Philadelphia and used in mushroom growing. There is here one firm, the Anglo-American Spawn Co., that manufactures and sells mushroom spawn.

H. K. Hicks is an importer and dealer of English spawn, and is also an extensive grower of mushrooms.

Some of the growers combine tomato growing with their mushroom business, but there are places where only mushrooms are grown.

Howard Thompson has just completed four connecting houses for carnations, the whole comprising about 25,000 square feet. This is a very fine range. The material was furnished by the Lord & Burnham Co. The side walls are all of concrete, as are the beds, and everything shows good work.

J. B. Swayne of this firm is also interested in the Anglo-American Spawn Co., and is a large grower of mushrooms, his place being extensive and having a switch track which brings the manure in.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

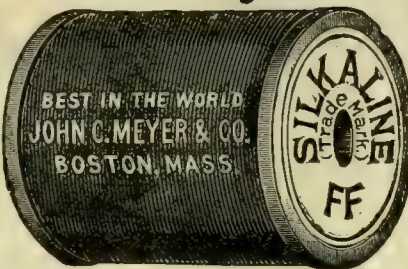
Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
Telephones: Lincoln 410 and 411.

The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish. When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Snugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application, \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Yeatman & Way have just had finished, by the King Construction Co., one new house, 60x200 feet. It is in the King Company's well known substantial work. It will be a tomato house.

William Swayne has an extensive glass area devoted to carnations, chrysanthemums and other stock. He has also large mushroom houses.

J. M. Palmer has just completed and planted in carnations, two new houses, each 30x140 feet. His carnation stock is very fine.

Swayne & Powell have a range of 25,000 square feet devoted to carnations.

THE BEST Bug Killer and Bloom Saver



For **PROOF**
Write to

P. R. PALETHORPE COMPANY,

Owensboro, Ky.

green flies and black ones too

are easy to kill with

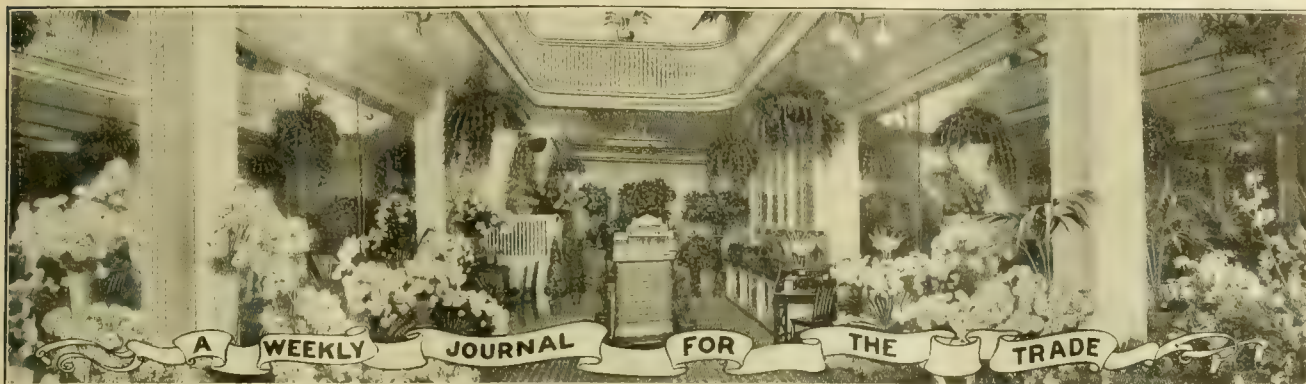
The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, SEPTEMBER 24, 1910.

No. 1164

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

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WM. F. KASTING, Buffalo, N. Y., Treas.

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RICHARD VINCENT, JR., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.

Second National Flower Show, Boston, Mass.
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKI,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

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HALF HOUR CHAPTERS FOR PLANT GROWERS

Hydrangeas.

The principal detail now in the cul-
ture of hydrangeas is to encourage
any late plants to finish up their
growth and to thoroughly ripen the
growth made on the forwarder plants.
A good position for them is outside in
a plant protector, the pots plunged in
ashes or some other material, the heads
fully exposed to sun and air. Any
earlier plants that have been standing
this way for some time should be
given a new stand and more room in
order that the sun and air can play
freely about the growth and consoli-
date the stems and forming buds
thoroughly. The roots must be kept
well supplied with water and, if there
is any suspicion as to the soil being
poor or if the plants are potbound a
light feeding with liquid manure will
be of advantage. Do not shorten the
water supply until the leaves show
signs of turning color preparatory to
falling when less can be given, but it is
important that the swelling buds be
given all the sustenance necessary to
induce the formation of fine flowering
heads in spring. A light frost at this
time of year does not hurt hydrangeas
in the least but they must be covered
or taken inside before there are signs
of severe weather.

Begonia Gloire de Lorraine.

The plants of Begonia Gloire de
Lorraine and kindred varieties will be
making a better growth now that the
nights are cooler and any plants not
yet potted from the smaller sizes should
have attention at once and be given
all the encouragement possible. A good
light position with shade from only
the brightest sunlight, and a cool bot-
tom of earth, ashes or shingle for the
pots to stand on is about the best ar-
rangement that can be made for the
plants and it is a good plan to keep
the stages or benches well dampened
down by day but on the dry side at
night. This will prevent spotting to
some extent, or at least will prevent
it spreading if it starts. When only a

few leaves are spotted they should be
removed. Take particular care with
the watering after the plants are re-
potted and before the roots obtain a
good hold of the soil. If they are
over-watered now the plants will never
obtain a good hold and consequently
will not grow strongly or well. The
earliest plants may be opened out a
little in the center if necessary and the
lower shoots supported with a neat
stake and raffia. Continue to pinch
out any flowers that appear and also
stop the shoots to induce a good, full
bushy habit.

Poinsettias.

The bright weather of the past few
weeks has been all in favor of the
young stock of poinsettias and the
plants look well. From the time they
are well established in the small pots
until the bracts show a poinsettia can
hardly have too much light or air,
provided the temperature is maintained
and the sun is not allowed to scorch
the foliage. The time is at hand for
making up the large pans, with several
plants in a pan, that have become so
popular of late years. A little careful
selection of the plants is well repaid
here by the more regular plants pro-
duced. Plants a little higher may be
placed in the center, though it is not
absolutely necessary, as the center
plant if as good as those surrounding
it will naturally keep the lead. From
five to nine plants may be placed in
each pan according to size of the lat-
ter and considerable care is needed in
planting not to break the balls un-
necessarily and to see that plenty of
soil is worked in between them leaving
no vacant places. A light shade for a
few days should be given if the sun is
very bright but after this keep the
glass clear, damp down the stages and
floors regularly and keep full air on.
Everything in short must be done to
keep the plants dwarf and hard yet
growing freely, as such will produce
much finer bracts than soft very green
specimens.

Coleuses.

Coleus cuttings root very readily now and a good stock can be worked up quickly and easily by inserting them in the bench and potting up into stock pots later. Choose as far as possible cuttings from flowerless shoots as these usually root more readily than those that are producing flowers. Cut the stem clean through with a keen knife and remove the lower leaves, also pinch out the point of each shoot to induce the resulting plants to bush out from the start. A great pest on coleuses grown under glass is mealy bug and in taking cuttings from such plants be sure they are clean and free from this mischievous insect. For bedding purposes the old Verschaffelti and Golden Bedder are about the best, but there are hundreds of varieties, named and otherwise, that are far better for pot plants. Everyone interested in coleuses should raise a batch of seedlings each year from selected seed as it is very interesting work and some very beautiful varieties are almost sure to appear that are fine for pot and window box work. Early spring is the best time to raise seedlings.

Winter Flowering Geraniums.

It is too late now to propagate winter flowering geraniums and those growers who wish to have good plants for Christmas sales must procure plants from some of the specialists in their culture. Good plants from 2½ and 3-inch pots are offered at very low rates and if these are secured and potted in 5-inch pots they will make fine stock by winter. Geraniums must be firmly potted in a compost of good loam and well-dried cow manure, with a little sand if the loam is inclined to run closely together. The plants should be protected from the sun for a few days until re-established in the pots when they must be kept in the lightest and best position available and given ample room. Growth will be very free and it will be necessary to pinch somewhat closely to keep the plants bushy and form plenty of shoots. Geraniums are not particularly strong feeders but they like to be kept going and as soon as it is seen that the pots are well filled with roots and the growth is capable of standing it light feeding with liquid manure is advisable. The flower buds must be kept pinched out up till about six weeks before the plants are wanted in bloom and the winter temperature for the double varieties should not be less than 58°-60°. A few degrees less will be all right for the single varieties.

Pot Chrysanthemums.

Where pot plants have been prepared as described in previous notes and potted in small shifts they will by now be ready for a little feeding. They should be bushy, dwarf, and have plenty of shoots. In a short time the buds will be showing and ready for "taking" on plants that are to be grown to a limited number of flowers. Those that are to be grown for sprays on the plants are simply left alone to form flowers as they come naturally. There are days, even as late as the end of September, when a little spraying may be required to prevent loss of the bottom leaves but this must not, of course, be done should the weather prove dull or wet. Returning to the feeding, almost any

class of manure is suitable and it is better to change it frequently than to continue for long with one kind. Peruvian guano forms a good change from the ordinary tank liquid manure and soot water or sulphate of ammonia may follow this. See that the soil in the pots is rather moist before applying the liquid manure and give this several times in a weak state rather than one heavy dose. Keep the plants in a cool light house where ample air currents are always circulating.



Royal League Floral Emblem.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

TOLEDO, O.—George A. Heintz has sold his retail florist business to Mrs. J. B. Freeman, who has been with him for many years as manager of his store.

Royal League Floral Emblem.

The accompanying illustration of a design representing the Royal League emblem, which is a triangle within a square within a circle, the colors are red, white and blue, the triangle white, the square red and blue in the spaces between the square and circle, and was composed of immortelles, red and white roses. The wreath, which was made of pink roses was 27 inches in diameter, and with the panel enclosed was placed upon an easel decorated with asparagus and bearing a scroll of white asters upon which were the words "Our Scribe." The Douglas Boulevard Floral Co., Chicago, were the designers of this beautiful piece of work.

Santa Fe Cross Panel.

We herewith present an illustration of a floral panel designed by C. P. Mueller, Wichita, Kan. which was arranged for the officials of the middle division of the Santa Fe system for the funeral of the general manager. The lower half is a reproduction of the

Santa Fe cross in blue and white asters. Above this is a broken wheel of white asters and Killarney roses resting upon a background of galax leaves bearing the inscription, "Middle Division." The whole having a border of liliun lancifolium, tuberoses and gladioli. The panel, when completed, was seven feet high and four feet wide.

The Non-Breakable Flower Vase.

The company which has this new production on the market has headquarters at 1100 New York avenue, Washington, D. C. Albert Schnell is the patentee and associated with him in the enterprise are Z. D. Blackistone and Adolphus Bowdles, both well known florists of Washington. It may here be stated that samples of these vases were exhibited at the Rochester convention and received honorable mention. The vases are non-breakable, as is claimed for them, and in addition are light, convenient and attractive. They are sold at a reasonable price and are well worthy the attention of prospective buyers. Mr. Schnell, the patentee, is also manager of the Washington Florists' Exchange.

How About it? Will You Help Us?

If you seek information about present conditions of business, they are good. The writer found several business men this week who were more than interested in a "National Florists' Commission" to regulate retail prices. You read the letter in the August 6 issue what another florist said about retail prices. Why do we not hear your opinion? Why not send a letter to the editor of the AMERICAN FLORIST stating your views on the matter and giving formulas, and suggestions what you think ought to be done.

Is it not to your interest as well as to all those who are in the business to do something to bring the retail flower trade to a basis of dignity and in keeping with other business enterprises of standing? It is a stupendous task we know to get a matter of this kind started, especially, where so many are inclined to think lightly of the feasibility of such an undertaking. But, let me assure you that this can be done in the flower trade just as others have done in other business channels where at first it was thought an impossibility.

We want each and every retailer to become a member and we want each and every one to voice an opinion in the FLORIST. Do it now—just take a minute and write what you think of the proposition and send it to our "Special Corner For Improvements" which we are trying to organize and make it a success and in various other ways help you to increase your business and bring the retail trade on a sounder basis as to prices, etc.

Bright prospects are with us and extend far into the future. We will show you that you can increase your profits and you will be only too glad to join us in this crusade for bettering the retail conditions of the flower trade. A better motive at this time would be to come and help us do it—knowing that union of forces, and councils of men, must be all for the good.

Do not retard the movement—stand with us—and the National Florists' Commission will be a synonym of success. Every retailer who has the best interests of his business at heart as well as that of the whole country should make a start and do it now.

A. E. KLUNDER.

Florists' Flowers and Their Arrangement.

A paper read by A. C. Willshire, before the Montreal Gardeners' and Florists' Club, August 1, 1910.

Before going into my subject proper I would like to suggest some of the qualifications that I consider necessary to make a successful florist from an artistic point of view.

First, some natural taste is indispensable for practice will undoubtedly do much. The lack of this will show itself in all we do and back of this must be a love of flowers for their own sake, not so much of the commercial spirit that sees nothing but so many dollars and cents in the beautiful things around us, it is also necessary to have some originality.

The ability to present the same material in new form will create and maintain an interest in our products with those to whom we cater. Added to these should be the knack of making the most of the material at our disposal. The uncertainties of our business often finds us with very little to fill pressing orders and here scheming and contriving are brought into play and if this quality is present some of the best work will sometimes be turned out.

Other things being equal, any one thus equipped will have the advantage in the struggle for success.

My experience as a florist dates back some 25 years. At that time we had to depend upon a very different class of flowers to those we handle today. Everything was cut short and made-up work was necessary of the stiffest kind.

New methods, the bringing out of more variety and higher quality changed the whole aspect of the trade. With the improvement in the quality of the flowers came the fashion of cutting long stems, and we went to the other extreme and had American Beauties and chrysanthemums three to four feet, carnations two feet, and so on. The evolution of the rose and the carnations has been most marked since that time, new varieties have been constantly introduced, to be in turn discarded for better. From a retailer's point of view it seems a pity that some of these should have been dropped. Take Papa Gontier rose—a far better bud for gentlemen's button-holes than any that exist today. Mad Hoste, a delicate creamy shade and perfect form. Perle des Jardine, the only yellow we had, has been taken from us and nothing given to replace it.

In fact, there has been a tendency to narrow down the varieties of both the rose and carnation to those that are the most prolific. I am glad to say that this does not apply so much to chrysanthemum, and that mere size does not count for everything with the grower.

The introduction of the orchid as a florist's flower enables us to meet the demand for something out of the ordinary and their use gives a tone to the best class of work that would be otherwise lacking.

At this season sweet peas and asters are our chief standby. It is much to be regretted that better provision is not made for the store trade of summer, which though not large is better than formerly. The roses we have to offer need to be apologized for and,

to say the least, are no improvement on those of ten years ago.

FLORAL OFFERINGS.

In the making up of floral offerings many florists still use wire and tooth picks. We use neither and believe that by this method a more natural and certainly more lasting effect is produced.

As in all other set work we try to place each flower so that its full form

sicken people of this custom of sending offerings to deceased friends than the uninteresting sameness of so much of this work. While color is not barred as it used to be, I think soft shades are best adapted for this purpose, and under no purpose should more than one color be used. Avoid overcrowding in this as in all other arrangements when one kind of flower is used and a stiff effect is liable to occur.



SANTA FE CROSS IN FLORAL PANEL.

is shown, using the best material at our disposal. When a number of designs are being sent for one occasion, it is best to vary them as much as possible. Nothing does so much to

This can be overcome by varying the length of the stems, and placing overhead some very light and graceful green, such as maiden hair fern or in flowers Gypsophila, Spiraea, etc.

BOUQUETS.

The dictates of fashion have arranged the style of these considerably. At the time I speak of we had the perfectly round, compact mass, with paper fringe and tin foil handle. Then came the loosely arranged bunch, with long uncovered stems. Next, what was called the shower, with its irregular spreading form and streamers of foliage and baby ribbon and clusters of lily of the valley. We now have a modification of this in the lightly arranged circular bunch, a mixture of flowers, ribbons and knots of valley, streamers of narrow ribbon, etc. Recently there has been an attempt to revive the old fashion bouquet, paper and all. It seems likely that we may have again to construct curious freaks. For some years ribbon and chiffon have played a prominent part in the making up of floral work. To this some object upon the grounds that they are out of place. I think, however, that at any rate in the case of weddings their association is in keeping with these dressy occasions. But they must be used judiciously, and right here is needed a neat light hand; a lady is quick to note a mussed and creased ribbon or a stiffly tied bow.

HOUSE DECORATIONS.

In the selection of flowers for the house either at weddings or other functions, no set rules can be followed. So much must depend upon the size of the rooms, prevailing color of walls, etc. Flowers such as chrysanthemums, American Beauty roses and Gladiolus arranged in large vases are suitable,

keeping each color by itself, while in smaller houses hanging baskets, cut glass bowls, and low vases filled with smaller stock will add to the brightness of the rooms without crowding other ornaments.

For the dining table the best flowers should be reserved as here their perfection or their defects are mostly noticed. On ordinary occasions the dining table should be furnished with a few good flowers of one or two colors. These should be varied as much as possible, so as to maintain the cheerful effect their presence is intended to produce. Where possible the foliage that nature provided for each flower should be worked in with them. Although nice sprays of asparagus or fern will often help to bring out the color effect and reduce the stiffness of a vase or basket.

The art of harmonizing colors and bringing together effective contrasts requires steady and practical experience.

BATTLE CREEK, MICH.—The H. A. Fisher Co. are remodeling their store and adding many modern improvements.

PATERSON, N. J.—The People's Park Cottage Gardeners' Association held their first annual exhibition of flowers and vegetables Sept. 10-11, 1910.

ALTON, ILL.—The Alton Floral Co. has been incorporated with a capital stock of \$2,400. The incorporators are Allen Keizer, Irving Keizer and George Madison.

THE DAHLIA.

Dahlia Growers of Hammonton, N. J.

Hammonton is just half way between Philadelphia and Atlantic City, but its fame is not founded on that fact.

Dahlia growing has reached an advanced stage at this place and considering the acreage, we doubt if it is rivalled by any other place of similar area in the whole country. For mutual advancement and protection, the Association of Hammonton Dahlia Growers was organized on August 29 of the present year. The officers are: William F. Bassett, president; C. A. Wood, vice-president; Edward H. White, secretary. The association has adopted a label which will be used as a guarantee of quality. All the members of the association are men of sterling worth and their records are clean cut. We desire to make particular mention of the venerable president of the association, William F. Bassett. Born in Massachusetts eighty-five years ago, he, when a lively youngster, got tired of picking rocks and came on to New Jersey. All told, he has been growing dahlias for seventy years, but his interest has not flagged. On his eighty-fifth birthday, July 11, 1910, he turned over the ownership of the nursery to his younger son, George W. Bassett, but his health is yet good, his faculties are unimpaired and he takes the same lively interest in the work that he did in past years. He is a grand old man and



A FIELD OF A. D. LIVONIA DAHLIAS AT J. MURRAY BASSETT'S, HAMMONTON, N. J.



DAHLIA STAR OF THE EAST, AT J. K. ALEXANDER'S, EAST BRIDGEWATER, MASS.

we expect, if we live that long, to see him reach the one hundred mark. Another son, J. Murray Bassett, is also an extensive grower of dahlias. He has a large acreage and grows selected stock, and the same can be said of all the Hammonton growers. More than sixty per cent of all the cut dahlias used in Philadelphia are grown at Hammonton and many shipments go to other cities. While at the farm of Geo. W. Bassett we were much pleased with a vase of "Susan," a new decorative dahlia, put out by Henry A. Dreer. Mr. Bassett, who is growing a large quantity for the Philadelphia cut flower market, says of it: "One of the most promising of the new productions." The color is a soft pink. Other fine varieties that are favorites with the Hammonton growers are: Jack Rose, crimson; Flora, white; Kriemhilde, deep rose pink, with white center. The keeping qualities of this variety are unexcelled. Delice is by many considered the very best decorative dahlia. It is a fine rose pink, is of good form and is a good keeper. Catherine Duer, orange crimson; Clifford W. Bruton, canary yellow; Lyndhurst, scarlet; Maid of Kent, cherry red tipped with white, and Perle d'Or are other fine decorative varieties. In the show class, A. D. Livonia, Arabella, Aurora, Bonton, Storm King and White Swan are extensively grown.

Single dahlias, which now are meeting with great favor, are extensively

grown here. There are a number of good ones but it is doubtful if any variety has thus far become as popular as Twentieth Century. Peacock's fringed Twentieth Century seems to be coming into favor. We here noticed Frank Smith, a variety originated away back in the 40's. There is an interesting story connected with this variety. It was for a time apparently lost. Nobody had it or could learn where it could be had. Some years ago W. F. Bassett, in passing a garden, noticed one in bloom. He secured the plant and worked up a stock and restored it to popularity. It is a fine maroon, tipped into pink and white. In addition to what has already been mentioned, several very promising seedlings have been noticed among the Hammonton growers. Near to the Bassett farms are Edward H. White, Hugo Kind, Watkis & Nicholson and C. A. Wood. All these men are up-to-date growers. In making more extended mention of the Bassetts we have had in mind the venerable head of the house and pioneer of the business, William F. Bassett. Before closing we must tell one of his jokes. He says that one day a visitor, after looking over the farm, remarked: "Well, Mr. Bassett, you grow good stuff here, but for the life of me I cannot tell what makes it grow." The point is that the principal ingredient in the "soil" is white sand.

New England Dahlia Society.

The New England Dahlia Society held its third annual exhibition at Horticultural Hall, Boston, Mass., September 16-18. There are about four hundred members, distributed mostly through New England. The officers are: Henry W. Kendall, Newton, Mass., president; Geo. B. Gill, Medford, Mass., vice-president; Loring M. Bates, West Bridgewater Mass., secretary; Wilber D. Moon, Lynn, Mass., treasurer. The season has been remarkably favorable for dahlias.

The hall presented a magnificent display, pronounced the best exhibition that has ever been given. The leading dahlia growers of this region, such as J. K. Alexander, E. Bridgewater, Mass., who has had thirty acres of them this year, and will add on twenty acres more next year; Edgar W. Ela, Woburn, Mass.; Fottler, Fiske, Rawson Co., Boston; George H. Walker, N. Dighton; W. D. Hathaway, New Bedford, Mass., and Lindvall & Delury, Dorchester, Mass., all had large exhibits. In some cases the entire length of long tables was filled with the very best Cactus Dahlias. There were 300 vases of them on the Alexander table.

The schedule called for 71 regular classes, besides a few specials, and the number of entries gave the judges so much work that they did not get through their duties till the second

day. The judges were J. K. Alexander and E. F. Dwyer of Lynn.

There were three classes of Cactus Dahlias, respectively of twelve, twenty-four and forty-eight blooms; two classes of Decorative, twelve and twenty-four blooms; three classes of show, twelve, twenty-four and forty-eight blooms; two classes of Pompon, twelve and twenty-four vases; two classes of Peony Flowered, six and twelve vases; two classes of Single, twelve and twenty-four vases. From class 15-39 vases of one color each and eighteen blooms. Class 40, a combination. 41-43, Seedling Dahlias. 44, general effect, one flower per bottle. 45-58, small amateur classes. 59-63, largest blooms. 64, smallest. 65-69, distinct colors, six blooms each. 70, combination. 71, general exhibits. Special classes, (Dreer) six best of new show, "Susan," \$5.00 and \$3.00; (Turner, New Bedford) six best of "Ruth Forbes," silver cup; (Newport Horticultural Society) one hundred best Cactus, silver cup, this last awarded to Geo. H. Walker, N. Dighton. On collections of single blooms in the first fourteen classes the winners of first prize were, respectively: 1, W. D. Hathaway; 2, W. D. Hathaway; 3, J. P. Bodge; 4, J. P. Bodge; 5, A. E. Johnson; 6, E. W. Ela; 7, E. W. Ela; 8, W. D. Hathaway; 9, E. W. Ela; 11, Lindvall and Delury.

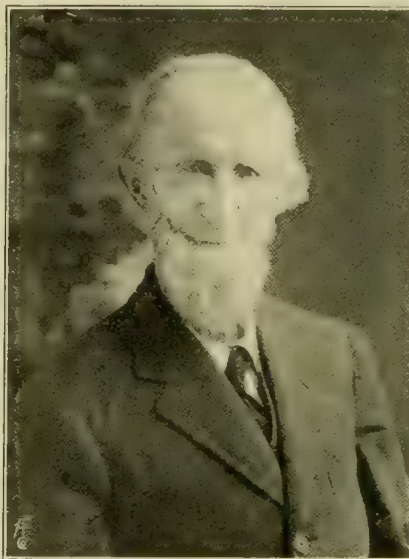
J. K. Alexander got 1st prize on classes 15, 17, 18, and 19, and would have had first on 44 but was disqualified by having duplicates. G. B. Gill got first on classes 16, 21 and 40. Lindvall and Delury got first on classes 22, 27 and 29. A. E. Johnson got first on classes 41 and 42. Wilber D. Moon got first on class 44.

Six especially interesting novelties on the Rawson table were: Fireburst, decorative scarlet; Mrs. Wm. H. Taft, cactus, pink, white center; Gracie Fuller, cactus, mauve; Snowstorm cactus, white; W. W. Rawson, of the Grand Duke type, with more mauve; Delice, decorative, pink, and Mrs. E. C. Swift, rose. Six cactus varieties on the Alex-

ander table of special note were: Lady Fair, primrose and soft pink; The King, deep crimson; Miss McMullen, delicate pink, lemon center; Thos. Woolson, light salmon; Miss Dorothy Oliver, light lemon, ivory white tipped and Prince of Orange, deep orange. On Edgar W. Ela's table special decorative sorts were: Yellow Colossa, Paul David, deep red; Mme. Lawrence Chabanne, light mauve, flaked with dark; Gen. Miles and Mrs. Alice Longworth, white, mauve flushed. Geo. B. Gill had the largest bloom, the Souv. de Gustave Douzon, which measured full eight inches in diameter. "Dreer's White," of the Grand Duke Alexis form, is a choice dahlia.

The show was well attended.

W. T. H.



William F. Bassett.

Dahlia Grower of Hammonton, N. J.

FLORISTS' PALMS.

Seasonable Notes.

With the approach of autumn and the return from their summer outings of the many thousands of city dwellers upon whom the retail dealers depend for a large proportion of their sales, it becomes necessary for the dealers in question to stock up their windows with something more than a few jars of outdoor flowers, and it is at this time that the palm grower gets busy. The stock that has been in course of preparation for the past year or so, is, or should be, in prime condition at this season, and there is no good reason why the season of 1910 should not be a profitable one for the plant grower.

The market widens from year to year, and from the quantities of palms that are still imported from Europe it is evident that the home production does not yet equal the demand. Many of these palms are imported in the early spring, potted up and grown on during the summer, and then sold during the next fall and winter. Some of the plants thus treated are very good, some are fair, and some are very indifferent stock, with artistically trimmed leaflets, poor roots, and an air of general debility. Naturally much depends upon the way these plants have been grown prior to their shipment from Europe, whether they have been handled on the hot-bed plan or whether they have been grown rationally and hardened off in readiness for their long and stifling journey on shipboard. But the fact remains that all such plants are perishable and liable to injury in transit, and it would probably be readily admitted by the largest dealers in palms in this country that they would import much less were they able to

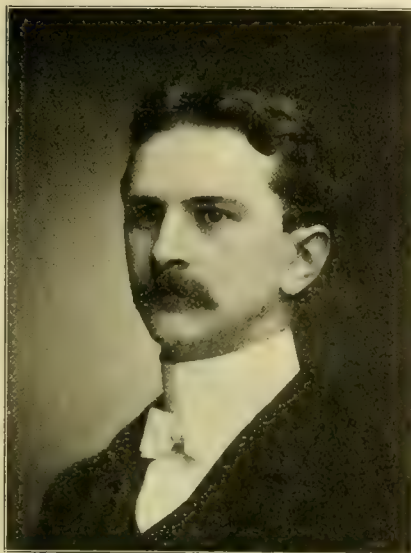


BASKET OF CACTUS DAHLIA, KRIEMHILDE, GROWN BY J. MURRAY BASSETT, HAMMONTON, N. J.

get the quantities and sizes they need on this side of the water.

This means that there are still opportunities in this line of trade, but it also means that capital is required by anyone who goes into it, for considerable outlay will be made before there is much return. It takes about two and a half years to grow a Kentia from seed to the size that wholesales for a dollar, so the grower must cultivate patience in addition to plants, and not every plant in a batch of young stock will make a saleable specimen in the time mentioned. But granting that the seedlings are potted off as soon as they are ready, which means that they are handled as soon as the second leaf begins to push up, and that afterward they are shifted along in regular order when the roots are fit, and a large majority of Kentias, either *K. Belmoreana* or *K. Forsteriana*, may be grown to the ordinary sized dollar plant in the time specified. But to make this size the plants must be kept clean and in a good growing condition by means of regular temperature and proper attention to moisture. And in the case of the Kentias a regular temperature does not necessarily mean a very high degree of heat, for these palms come originally from a comparatively small island in the South Pacific where the climate is continually tempered by ocean breezes in consequence of which the Kentias do best when grown in a night temperature of 60 degrees throughout the winter.

takes into consideration not simply the form of leaf and those general characteristics that appeal to the plant grower, but also the flower and seed, and thus he finds that in the plants commercially known as Kentias the flowers are arranged in four rows on



H. V. Hunkel.

Greenhouse Superintendent of the Holton & Hunkel Co., Milwaukee, Wis.

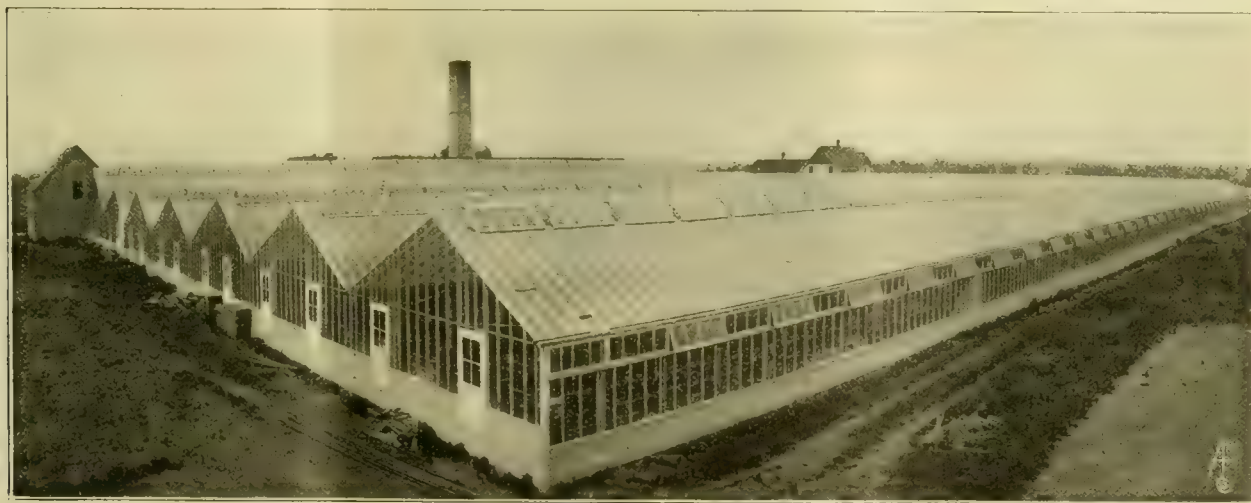
of plant growing, it may be said that September and October are two especially favorable months for the Kentia grower, for it is at this season that these plants become more active after the partial rest of the summer the growth made during these two months being frequently the best of the season. With this in view, the fore-handed grower takes advantage of any open spaces that may appear on the benches from early sales, spreading out the stock that it may have the benefit of the light and air, and also shifting on any plants that are in condition to be repotted, feeling sure that the Kentias will repay the expense of the extra handling. As the nights grow longer and colder, do not indulge in the false economy of doing without fire-heat because the days are warm, a little circulation in the pipes helping greatly in the atmosphere at night—and the plants will fully repay the outlay.

W. H. TAPLIN.

WITH THE GROWERS

Holton & Hunkel Co., Milwaukee, Wis.

A half hour's ride from the Cream City on the Milwaukee Northern railroad through a beautiful stretch of country landed us at Brown Deer where are located the greenhouses of the Holton & Hunkel Co., and after a short walk up a spur track we were welcomed into the establishment by the genial foreman, Frank Bernet, who



HOLTON & HUNKEL'S GREENHOUSE PLANT AT BROWN DEER, MILWAUKEE, WIS.

And that short, sturdy-growing species that was once known as *Kentia Canterburyana* (though now termed *Hedyscepe Canterburyana*), grows at a considerable elevation on the same island and will consequently endure an even lower temperature without injury. The similarity in foliage, habit and general characteristics of growth between *Hedyscepe* and the plants commercially known as Kentias brings to mind the fact that these reclassifications and new names are often quite a puzzle to the ordinary plant grower, partly because in many instances he is not familiar with the mature plant, but rather knows it only in the juvenile form. As a matter of fact the botanist

the flower stems, and the seeds adhere to the stem from the bottom, while those of *Hedyscepe* are arranged spirally on the flower stems and the seeds are attached at the side. Working on the same plan, the botanist finds that although the common coconut, *cocos nucifera*, does not bear much resemblance to that favorite dwarf palm of the plantsman, *cocos Weddelliana*, yet in the matter of flower and seed the same characteristics are found, even though the comparison in point of size is almost as that between a peach and a watermelon.

But to return from our brief excursion into the realm of botany, and once more to get down to the practical end

kindly escorted us around the plant. This range of glass has been erected some eight years and Frank has been managing the plant ever since its completion. With the addition of the house now under construction, there will be 175,000 square feet of glass at this plant and this concern also operates a plant of 50,000 square feet on Humboldt avenue. The houses are all of Moninger construction with Garland gutters, and consists of eight houses, 27x400 feet, with a large boiler house and work shed. From this central point extends another range of eight houses, each 17x100 feet. The houses which are now being constructed, under the watchful eye of H. V. Hunkel, will be

connected to the latter set of houses by a packing and potting shed, and later there will be built a corridor 60 feet long which will connect both of the ranges with the larger houses. While the material used in the construction was purchased of the Moninger Co., the actual building operations are done by themselves and all cement walls, walks and benches are of their own labor. Three 100 H. P. Milwaukee boilers supply the necessary heat and Morehead steam traps are used to return the condensation to the boilers. A large reservoir 30x100 feet and 5 feet deep is being built with cement walls, into which will flow the water from the several roofs and this will furnish the water for the necessary need of the plants. There is also a large well upon the place which will guarantee a reserve supply. A very novel idea for furnishing liquid manure attracted our attention. The manure is thrown into a large tank and then steamed, the water then passing through strainers and draining into a basin from which it is distributed to the several houses.

The eight large houses are planted out to roses which are in excellent condition and during our short stay we had the pleasure of witnessing the men make the morning cut and inspect the stock, which was of a very high grade. The American Beauties were particularly fine and the Killarneys, Perles, Brides and Kaiserins were exceptionally good. Two houses devoted to greens were promising well. These were devoted to asparagus plumosus and sprengeri and a bench of smilax just ready to be strung promised a good winter's supply. The smaller houses were devoted to chrysanthemums, adiantum and Boston ferns, which were all in fine condition.

This firm is to be highly congratulated upon the rapid progress which they have achieved in their business in the eight years they have been located at this site and in the extensive shipping business which they have built up throughout the northwest. H. V. Hunkel superintends the greenhouse work and overlooks the culture of the crops, and F. H. Holton has charge of the wholesale store in Milwaukee. Too much praise cannot be lavished upon this hustling firm and their courteous foreman for the able and efficient manner in which all details are carried out, the general neatness of the establishment and the fine condition of their stock.

Florists' Jargon.

The florists have a trade jargon of their own. When a man who grows flowers for a living rattles off something like "paper whites, valleys and Romans" the confused layman has to stop to think what the jumble of words means. It is only the trade way of saying paper white narcissus, lily of the valley and Roman hyacinth. Likewise "mum" is their word for chrysanthemum, and time and space are likewise saved by saying "cyp" instead of cypripedium. So Bridesmaid roses are "maids," American Beauties are "beauties," Perle des Jardin becomes "perle" and is pronounced pearl, while Souvenir du President Carnot is reduced to its last word, just as those other illustrious French rose names, General Jacqueminot and Marechal Niel, were shortened to "Jack" and "Niel" in the heyday of their glory.—New York Press.

CHRYSANTHEMUMS

Specimen Exhibition Plants.

The training and tying out of the specimen plants is a part of the work connected with the growing of these exhibition plants, which must receive attention at this time. The buds are beginning to appear on several of the varieties, and it is much better to have the training and trying out over with before the buds are very far along, as the plants shape themselves better now than after the shoots have stiffened themselves up following the setting of their buds. The style of tying out the plants must be governed to a great deal according to the circumstances. If the plants have attained a great size, and contain plenty of shoots, so that when spread out to rings four feet or over in diameter,



F. H. Holton.

Store Man of the Holton & Hunkel Co.,
Milwaukee, Wis.

they still look good and full, then the best specimens can be made by training them out in this fashion, but it must be borne in mind that plants trained out in this style require lots of space to properly care for them, also they cannot be squeezed together very much to get them through ordinary size doors, and if they have to travel very long distances to the flower shows, they will make very bulky packages.

To train a plant out on this plan, the first necessity is a strong supporting stake at the center of the plants and the main stem securely fastened to it. We use a wire stake similar to those used for staking roses, allowing for it to extend about four inches above the plants. The outside ring is then put in place and secured to four stakes set in around the edge of the pots. Only enough stakes should be used to properly support the ring, a finished plant having a much neater appearance the fewer the stakes it contains. Another smaller ring can be put in nearer the center of the plant, but this is not a necessity if a good specimen can be made with the one outside ring. Silka-

line should be used, for tying the shoots fasten it to the center stake, then loop every shoot to it with a double knot so that it will not slip to cut the stem, then tie the string to the outside ring, starting over again with another string, finishing up as before, following this up all around the plant until every shoot is taken care of. Careful judgment should be used to space the shoots evenly, so that the plant when finished has a uniform appearance and not look bunched in some places and bare in others. The outside ring can be left off entirely and the training taken care of with the center stake and strings looping each shoot as before, but plants tied up in this way cannot be made as large as when the rings are used, but they have one advantage and that is the plant can be drawn in close without danger of breaking the shoots when it is necessary to ship them long distances. Every little detail in caring for these plants must be followed up closely.

The plants having attained such a large size the soil is now full of roots, so do not let them suffer for water, also let them dry out well between each watering, this will keep the soil sweet and the roots active. Continue the feeding of liquid manure a little stronger with each watering, changing off to clear water between each application. Plenty of ventilation day and night is one of the essential things for the plants' well being, also pay strict attention to keeping the plants free from insects of every description.

C. W. JOHNSON.

Chrysanthemums in the South.

Chrysanthemums intended for All Saints' Day should now have the buds well advanced. All lateral growths should be kept picked off clean, to give the bud the best chance to develop to its fullest extent. Liquid manure may be given twice a week until the flowers show color which is generally about October 1st when its use should be stopped. Sulphate of ammonia, a four-inch potful to a barrel of water, is good to alternate with the liquid manure, or a three-inch potful may be used with the same quantity of liquid manure. Syringing must be kept up daily as long as possible to prevent the appearance of red spider. This pest will quickly destroy a whole crop if it once gets a foothold, although it is more liable to appear on plants grown under glass than on plants grown in the open. For greenfly the best remedy is to sprinkle the plants in the evening and dust heavily with tobacco dust. Should the following day be very bright it is well to wash off the dust with the hose otherwise the sun is liable to scorch the leaves. One or two applications should clean the fly out thoroughly.

As soon as the flowers show color is the proper time to put on a cover. Light frames are erected over the beds and covered with sash or cotton cloth stretched tightly. This is about the time thrips are likely to appear, but a liberal sprinkling of tobacco stems in the walks and bunches hung here and there on the wires will make almost a complete safeguard. Very little water is required after the cover is put on,

but the plants may be daily sprinkled half way up the stems to keep just a little moisture in the atmosphere. In cutting the blooms it is always better to cut each grade by itself and place in water 25 or 50 to a vase. This saves time in handling and minimizes the danger of spoiling the blooms.

WM. LEAR.

Propagating Hydrangea Paniculata.

ED. AMERICAN FLORIST:—

When is the proper time, and what is the best way to strike cuttings of hydrangea paniculata grandiflora and syringa?

A. P.

Cuttings from the ripened wood may be rooted in the greenhouse or in the open air. In the former case the wood should be gathered before severe frost, selecting the current year's growth, and the cuttings made and planted in October and November. Make them two to four inches long, sometimes with one eye but preferably with two, and plant with a dibble in pots, pans or flats. They should be kept cool until a callous is formed or roots produced which will require from one to six months; they can then be potted or planted into the ground in May or June. To root in the open air, wood of the same as before mentioned should be gathered in autumn or early winter before severe frost and after it has well ripened, and either stored in a cool cellar, covering with moss or fresh earth to prevent drying, or immediately made into cuttings. These should be six or more inches in length and should contain at least two buds. They should then be tied into bundles with tarred rope with the bases level and buried in a sandy soil with the butts down and protected from frost. In the spring they should be planted in trenches in well-prepared soil an inch or more apart in rows 1 to 1½ ft. apart. The upper bud should be just at the surface of the ground. In the fall they should be dug and sorted and heeled in for the winter.

W.

Lilium Harrisii for Easter.

ED. AMERICAN FLORIST:—

When is the proper time to pot Lilium Harrisii in order to have them in bloom at Easter? Of what should the soil be composed?

AMATEUR.

The time to pot Lilium Harrisii bulbs is immediately upon their receipt, and then placing the pots in a dark, cool place, preferably burying them in a frame. If not wanted until late in the season a good covering of leaves will be necessary. The date of blooming is regulated by the time they are brought into the greenhouse. In a house with a night temperature of 60° thirteen weeks from the required time of blooming will be required.

All lilies require a good live fibrous loam with a small amount of rotted manure and a good generous addition of clean sharp sand. Do not use any old heavily manured soil or the result will be failure.

W.

ST. CATHERINES, ONT.—The Horticultural Society held its annual exhibition September 14-16, 1910.

NORWICH, CONN.—The annual exhibition of dahlias and other autumn flowers of the New London County Horticultural Society will be held September 24.

OBITUARY.

George Wittbold.

George Wittbold, pioneer florist of Chicago, passed quietly away at his home September 19, advanced years closing a long life of unostentatious industry at the age of 78 years. Some years ago THE AMERICAN FLORIST gave a sketch of Mr. Wittbold's career, which will bear repetition at this time: "Away back in the days before the Civil war floriculture in Chicago was conducted along very narrow lines and afforded a livelihood to a mere half dozen men. The history of the trade in the days when Chicago was yet a struggling village is clouded in the obscurities of the past, but it is undoubted that Samuel Brooks was the first of the commercial florists by some years. Then came Edgar Sanders and Williams & Wittbold. Of these George Wittbold, president of the company which bears his name, is the only one who is still in business. This dean of the profession was born in 1832 at



The Late George Wittbold.

Hanover, in Germany, and in his youth acquired a knowledge of plant life in the Royal Botanical Garden at that place. Coming to America and Chicago when 25 years of age, Mr. Wittbold soon became engaged in the business which has been continued to the present day. The firm was Williams & Wittbold, the former having a greenhouse on what is now Fullerton avenue. Mr. Wittbold's glass was at another location, about where Clark street and North avenue intersect. Mr. Wittbold says that at that time his only competitors were Mr. Brooks, away out on the South Side, south of what is now Kenwood, and Mr. Sanders, at the spot which is now the northwest corner of Belmont and Evanston avenues. It was just after the war that Mr. Wittbold left the partnership of Mr. Williams and in 1869 he bought the land on which he has lived and done business for the past thirty-one years. At that time it was largely a slough; there were four acres of it and people said it was not worth the \$2,000 which he paid. There were no streets, not even roads, and all there was on it was water, pond lilies, grass and a few rattlesnakes.

But about the time Mr. Wittbold had his slough filled in he was offered seven acres for his four, seven acres of pretty high land just south of his and consequently nearer the city. Now he wishes he had that seven acres, but then he thought that four acres was all his greenhouses could earn the taxes on; as a matter of fact, when it came to building streets and other public improvements, he couldn't pay the taxes out of his business and sold nearly an acre of his land, but out of that acre he got not only enough for the improvements but enough to give him his other three acres clear of cost, and they are worth probably \$30,000 an acre today. All through the time that Chicago was growing to be great, Mr. Wittbold's business was keeping pace. He brought up a family of five such boys as are a comfort to a man's declining years, and with their aid the business was not only pushed into the front rank but Mr. Wittbold was enabled to entirely throw off its burden and go back under the three acres of glass and potter about at will among the palms and ferns, the friends of his youth, the reliance of his manhood and the pleasure of his ripened years."

Mr. Wittbold married Miss Emma Fricke, sister of Dr. Fricke, the well known Chicago physician, May 29, 1863, and their were eight children, five sons, Gustave, who died January 24, 1908; Henry, Fred, Louis and Otto, all of Chicago, and three daughters, Mrs. Fletcher James, Des Plaines, Ill.; Mrs. Henry Neve and Miss Helen Wittbold, Chicago, all of whom, with Mrs. Wittbold, survive. Funeral services were held at the residence September 21, and interment was at Graceland cemetery. There was a great profusion of handsome floral offerings.

Lake Forest, Ill.

The fourth annual exhibition of the Horticultural Society was held September 16, 1910, at the Art Institute. The building was well filled with groups of decorative plants, cut flowers and vegetables. The exhibition of vegetables was the best ever shown at any of the shows given by this society and the judges had great difficulty in deciding which of the six collections exhibited by G. F. Swift, A. C. Farwell, Cyrus McCormick, E. A. Hamill, H. H. Martin and C. H. Heywood should receive the silver cups offered as prizes. There were 150 entries in vegetables, sixty entries in cut flowers and thirty-five entries in plants. The judges of the vegetables were Charles Gebhard, Robert J. Sampson and A. Johnson, all of Lake Geneva, Wis., and the flowers and plants were judged by W. Longland of Lake Geneva, Wis., P. Myers of Waukegan, Ill., and G. Woodward of Chicago, Ill.

The following premiums were awarded:

Best display of vegetables, to occupy not more than 20 square feet—E. A. Hamill, H. C. Peterson, gardener, first; H. H. Martin, W. Henzel, gardener, second; G. F. Swift, G. Koppenhoeffer, gardener, third.

Best display of vegetables on board 3x5, not over 25 nor less than 20 varieties—D. M. Cumming, K. Lafig, gardener, first; H. H. Martin, W. Henzel, gardener, second; G. F. Swift, G. Koppenhoeffer, gardener, third.

Best display of perennials—A. M. Day, G. Whidahl, gardener, first; Cyrus McCormick, W. Griffiths, gardener, second; H. H. Martin, W. Henzel, gardener, third.

Best general display of annuals—B. A. Echard, B. Seifert, gardener, first; A. M. Day, G. Whidahl, gardener, second.

Best group of greenhouse plants arranged for effect, to occupy not less than 100 square feet—G. F. Swift, G. Koppenhoeffer, gardener, first with a group of well grown palms, cypresses and crotons; H. C. Chatfield Taylor, C. Gennert, gardener, second with a group of seedling fuchsias; B. H. McElwee, J. Newbon, gardener, third with group of heliotrope.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

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From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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REPLACE all the broken glass without further delay.

NOW WANTED.—Those roses that give all the fragrance of summer when summer has gone.

SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

FROST may be expected any time after September 15 and it is well to be prepared for it. The first frosts are frequently followed by a prolonged period of fine mild weather and the season of tender stock may be prolonged very materially by light protection on frosty nights.

The Southern Fern Cutworm.

The velvety green caterpillar which has recently been reported to me by the editor of the AMERICAN FLORIST, as damaging ferns by feeding on the unfolding shoots, is the southern fern cutworm (*Callophistria floridensis* Guen.), an insect which has only been known as a pest of greenhouse ferns about two years. The green cutworms and their parents, which are moths, have habits almost identical with those of the common brownish or grayish cutworms, the well known pests of carnations, asparagus plumosa, etc. The cutworms feed at night, concealing themselves during the day at the base of the plant, or if the houses are dark, stretched along the mid-rib of the leaf and are easily overlooked because of their remarkable resemblance to the color of the fern leaves. The moths are night flyers, usually concealing themselves beneath the benches or other dark places during the day.

Arsenicals, especially arsenate of lead, are effective in controlling this insect, but should not be used on salable plants. In one infested fern house we had good results from spraying with pyrethrum decoction, prepared by steeping 2½ ounces of fresh pyrethrum, or Bubach powder for one hour in 5 gallons of water. In addition, a trap lantern consisting of an ordinary lantern suspended above a tub containing an inch or two of water in which a little kerosene has been added—just enough kerosene to make thin film over the surface is advised. This trap lantern should be lighted at night, the object being to attract and capture the night flying moths. Though we have had no experience with nicotine extracts, they should be of value if sprayed in the evening when the cutworms are feeding. Hand-picking has proven of value, this being accomplished most satisfactorily at night. The cutworms will be found feeding on the tenderer fronds, usually near the tip.

A full account of this insect is given in a report on the more important insects injurious to greenhouse plants, which is soon to be issued as a special bulletin of the Office of the State Entomologist of Illinois.

JOHN J. DAVIS.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Boston, Mass., September 23-25, 1910.—Autumn exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston. Address Wm. P. Rich, Horticultural Hall, Boston.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., September 22-23, 1910.—Dahlia exhibition, Connecticut Horticultural Society, Unity Hall. Address Geo. W. Smith, Melrose, Conn.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Address Geo. W. Smith, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Address Geo. H. Instone, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberton Horticultural Society. Address R. Carey, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Clubs, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicoll street, New Haven, Conn.

New York, September 20-22, 1910.—Seventy-ninth fair of the American Institute, Berkeley Lyceum building, 19 and 21 West Forty-fourth street. Address W. A. Egelson, American Institute, New York.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1632 Alleen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28.—Annual flower show, Dutchess County Horticultural Society.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Meetings of Florists' Clubs.

[Secretaries of clubs and societies are requested to send notice of change in date, time and place of meeting.]

ALBANY, N. Y.—Albany Florists' Club, W. C. King's, 24 and 26 Steuben street. First Thursday of each month, 8 p. m. Fred A. Danker, Secretary, 40 Maiden Lane, Albany, N. Y.

BALTIMORE, MD.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets. Second and fourth Monday of each month, at 8 p. m. Noah F. Flitton, Secretary, Patterson Park, Baltimore.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Third Tuesday of each month, September to June inclusive. W. N. Craig, Secretary, North Easton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 385-387 Elliott street. First Tuesday of each month, at 8 p. m. Wm. Legg, Secretary, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Secretary, W. Galena and Excelsior street, Butte.

CHICAGO.—Chicago Florists' Club. First Thursday of each month, at 8 p. m. in Union Restaurant, 111 Randolph street. Louis Winterson, Secretary, 45 Wabash avenue, Chicago.

CHICAGO.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark Street. Second Wednesday of each month. T. Rodgers, Secretary, 958 Harrison street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Alex. Ostendorp, Secretary, Cincinnati.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 2510 Detroit avenue. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Secretary, West Park, Ohio.

DAVENPORT, IA.—Tri-City Florists' Club. Second Thursday of each month in Davenport, Rock Island and Moline, alternately. J. T. Temple, Secretary, Davenport, Ia.

DAYTON, O.—Dayton Florists' Club, 37 E. Fifth street. First Monday of each month, at 8 p. m. Horace M. Frank, Secretary, 112 South Main street, Dayton.

DETROIT, MICH.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue. First and third Monday of each month, at 8 p. m. Hugo Schroeter, Secretary, Detroit.

GRAND RAPIDS, MICH.—Grand Rapids Florists' and Gardeners' Club, office of member. First and third Monday of each month. Edward Freyling, Secretary, 891 Wealthy avenue, Grand Rapids.

HARTFORD, CONN.—The Connecticut Horticultural Society, County building. Second and fourth Friday, at 8 p. m. Geo. W. Smith, Secretary, Melrose, Conn.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, State House. First Tuesday of each month, at 3:30 p. m. A. Baur, care of Baur & Smith, Secretary, Indianapolis.

LA CROSSE, WIS.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard. Second Tuesday of each month. W. R. Eilers, Secretary.

LAKE FOREST, ILL.—The Horticultural Society of Lake Forest, Council Chamber, City Hall. Last Wednesday of each month, at 8 p. m. L. Guppert, Secretary, Lake Forest, Ill.

LAKE GENEVA, Wis.—Lake Geneva Gardeners' and Foremen's Association. First and third Saturday of each month, at 8 p. m., at News building. A. J. Smith, Secretary. Lake Geneva.

LENOX, MASS.—Lenox Horticultural Society. First Saturday of each month. Geo. H. Instone, Secretary. Lenox, Mass.

LOUISVILLE, KY.—The Kentucky Society of Florists. First Tuesday of each month, at 8 p. m., Third and Broadway. H. Kleinstark, Secretary, Letterle and Ewing streets, Louisville.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month, at 8 p. m. Edw. Reagan, Secretary. Morristown, N. J.

MILWAUKEE, Wis.—Milwaukee Florists' Club. First Thursday of each month at 8 p. m., in Quiet House, corner Broadway and Mason street. Eugene Oestreich, Secretary, R. F. D. 10, N. Milwaukee.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west. First and third Monday of each month, at 7:45 p. m. W. H. Horobin, Secretary, 283 Marquette street, Montreal.

NEW LONDON, CONN.—New London County Horticultural Society, Elks' Hall. Second and fourth Wednesday of each month. Frank H. Allen, Secretary, New London.

NEW ORLEANS, LA.—Gardeners' Mutual Protective Association 118 Exchange alley. Second Sunday of each month, at 2 p. m. John Parr, Secretary, 4539 North Rampart street, New Orleans.

NEW ORLEANS, LA.—German Gardeners' Club, 624 Common street. First Wednesday of each month, at 8 p. m. Otto Werner, Secretary, New Orleans.

NEW ORLEANS, LA.—New Orleans Horticultural Society, Kolbs hall, 127 St. Charles avenue. Third Thursday of each month, at 8 p. m. C. R. Panter, Secretary, 2320 Calhoun street, New Orleans.

NEWPORT, R. I.—Newport Horticultural Society. First and third Wednesday of each month. P. F. Reynolds, Secretary, Ruggles avenue, Newport.

NEW YORK—New York Florists' Club, Grand Opera House building. Second Monday of each month, at 7:30 p. m. John Young, Secretary, 110 W. 34th street, New York.

NEW YORK—Horticultural Society of New York at American Institute rooms. Second Wednesday of each month, at 4:30 p. m.: May and June, at 3 p. m., at Botanical Garden. Geo. V. Nash, Secretary, N. Y. Botanical Garden, Bronx Park, New York.

OMAHA, NEB.—Omaha Florists' Club, City Hall. Second Thursday in each month, at 8 p. m. J. H. Adkinson, Benson, Neb.

PASADENA, CAL.—Pasadena Gardeners' Association Board of Trade rooms, West Colorado Street. First and third Friday of each month, at 8 p. m. A. McLeod, Secretary, 163 S. Alleen Ave., Pasadena.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce. First Tuesday of each month, at 8 p. m. David Rust, Secretary, Horticultural Hall, Phila.

PITTSBURG, PA.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, 10th street and Penn avenue. First Tuesday of each month, at 8 p. m. H. P. Joslin, Secretary, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street. Third Monday of each month at 8 p. m. Wm. E. Chappell, Secretary, 333 Branch avenue, Providence.

ROCHESTER, N. Y.—Commercial Florists' Association of Rochester, 416 Cutler building. Second Monday of each month at 8 p. m. H. B. Stringer, Secretary, 24 Stone street, Rochester.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South Street. First and third Tuesday of each month. Chas. Butchart, Secretary, Box 336, Salt Lake City.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday of each month. T. F. Taylor, Secretary, 2735 Golden Gate avenue, San Francisco.

SCRANTON, PA.—Scranton Florists' Club, Guernsey building. Third Friday of each month, at 7:30 p. m. T. B. McClintock, Secretary, Scranton.

SEATTLE, WASH.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street. First and third Tuesday of each month. A. Balmer, Secretary, 316 Taylor avenue, Seattle.

SPRINGFIELD O.—Springfield Florists' Club, office of the Good & Reese Co. Second Monday of each month. Carl E. Glenn, Secretary, care American Rose & Plant Co., Springfield, O.

ST. PAUL, MINN.—Minnesota State Florists' Association, 510 Snelling avenue, north. First and third Tuesday of each month, at 8 p. m. J. P. Jorgenson, Secretary, 3500 Portland avenue, Minneapolis, Minn.

ST. LOUIS MO.—St. Louis Florists' Club, Odd Fellows' building, 9th and Olive streets. Second Thursday of each month, at 2 p. m. J. J. Beneke, 1216 Olive street, St. Louis.

TOLEDO, O.—Toledo Florists' Club. Second and fourth Wednesday of each month. J. L. Schiller, Secretary, 929 Prouty Ave., Toledo.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Secretary, Allan Gardens, Toronto.

UTICA, N. Y.—Utica Florists' Club, Genesee Hall, Oneida square. First Thursday of each month, at 8 p. m. J. C. Spencer, Secretary, 111 Oneida street, Utica.

WASHINGTON, D. C.—Florists' Club of Washington, 1214 F street, N. W. First Tuesday in each month, at 8 p. m. A. C. Oehmler, Secretary, 1214 F street, N. W., Washington.

WINNIPEG, MAN.—Winnipeg Florists' Association. Second and fourth Wednesday of each month. A. R. King, Secretary, 325 Portage ave., Winnipeg.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv. for Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address Key 209, care American Florist.

Situation Wanted—By German; married; gardener and florist; experienced in nursery, orchard and vegetable grower; sober and reliable; best of references; would like to take full charge of place. ERNEST GROSCHEPT, 4431 Stuart St., Denver, Colo.

Situation Wanted—Private or commercial, by practical florist and gardener; German, married, 30; well up in all branches of horticulture; experience in Germany, Holland, England and America; best recommendations; state particulars. Key 210, care American Florist.

Situation Wanted—As a grower of cut flowers and potted plants on a first class place in the south-west by October 7th; practical experience in the trade 26 years; expect fair wages; middle-aged, single man; honest and sober. Please state full particulars in first letter. Address Key 207, care American Florist.

Help Wanted—A middle-aged man, with a good character, for all-around work; a well-provided home awaiting him. Address MRS. M. A. LUESSEN, Westbury L. I., N. Y.

Help Wanted—An energetic reliable man experienced in growing pot plants of all kinds as well as cut flowers; \$55.00 per month, with cottage and garden. F. WALKER & CO., 634 Fourth Ave., Louisville, Ky.

For Sale—Model boiler, No. 5-30; good condition; cheap. Address Key 201, care American Florist.

For Sale—Well established retail seed store; location: Cleveland, Ohio. Key 205, care American Florist.

For Sale—Hippard steam trap; good as new; in use two years, will take care of 25,000 feet of glass. JOHN A. KELLER, Lexington, Ky.

For Sale—A well-established retail flower and seed store; splendid opportunity for the right party; easy terms; owner has other business; Pacific coast. Address Key 202, care American Florist.

For Sale—One good second-hand Ericsson hot air pumping engine; this engine is in first-class condition, capacity 500 gallons per hour reason for selling, well went dry and I have put in city water; price cheap write at once to E. H. MARSHALL, Florist, Sabatha, Kan.

Wanted—A good second-hand hot water boiler. JOHN W. MCINTYRE, 1601 Ranstead St., Philadelphia, Pa.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs, Iowa.

For Sale--Retail Store.

Well established; located on fine transfer corner in San Francisco. Completely stocked and doing good family and counter trade. Address

Key 208, care American Florist

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Seedsman Wanted.

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well established nursery business. Address, giving full particulars,

Elliott Nursery Co., Pittsburg, Pa.

WANTED.

A working foreman to take charge of 50,000 square feet of glass where roses, carnations, mums and bedding plants are grown; wages \$16.00 per week; send references, age, etc., in first letter; position open about Oct. 10. Also a helper to grow carnations; wages \$12.00 per week to start.

W. W. COLES, Kokomo, Ind.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

CALIFORNIA

Party with \$2,000 to \$7,000 to invest can obtain a fine connection in old established and prosperous business having splendid properties.

Party must be energetic, and with some knowledge of the florist, nursery and seed trade, or having other business ability. Useless to answer unless you can prove qualifications in first letter.

Key 196, care American Florist.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.,
Long Distance Phone
Randolph 35 **CHICAGO, ILL.**

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.			Per 100				Per 100
Extra long specials.....	\$3 00 to \$4 00								
36 inch.....	2 50								
24 to 30-inch.....	2 00								
15 to 18-inch.....	1 50								
12-inch.....	1 00								
Shorter...per 100, \$4 00. \$6 00									
Killarney, long.....		Per 100.							
Medium.....	\$8 00								
Short.....	6 00								
Cardinal, select.....	3 00 to 4 00								
Long.....	10 00								
Medium.....	8 00								
Short.....	6 00								
	3 00 to 4 00								
Richmond, long.....					Per 100				
Medium.....					8 00				
Short.....					6 00				
My Maryland, long.....	3 00 to 4 00				4 00				
Medium.....	\$8 00				6 00				
Short.....	6 00				4 00				
White Killarney, long.....	\$3 00 to 4 00				8 00				
Medium.....	6 00				6 00				
Short.....	4 00 to 6 00				4 00 to 6 00				
Perle, medium.....	2 00 to 3 00				2 00 to 3 00				
Short.....	2 00 to 3 00				2 00 to 3 00				
Carnations.....	2 00 to 3 00				2 00 to 3 00				
Asters, good, outdoor.....	2 00 to 3 00				75 to 1 00				
Short outdoor.....	75 to 1 00								
Chrysanthemums, Golden Glow, yellow; October Frst. white.....	\$1 50 to \$2 50 per doz.								
Orchids, Cattleyas per doz., \$7 50									
Harrisii Lilies.....	\$12 00 to \$15 00								
Valley.....	3 00 to 4 00								
Gladioli.....	3 00 to 5 00								
Plumosos Sprays, Sprenger.....	2 00 to 3 00								
Plumosos Strings, extra long.....	per string, 60c								
Smilax per dozen, \$1 50 to \$2 00									
Galax.....	per 1000, 1 00								
Ferns, fine, new.....	1 50								
Adiantum Crowcanum.....	75 to 1 00								

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY } We make these a specially.
EXTRA FINE HARRISII LILIES } Can supply them all the year.
Once tried you will have no other.

Send Trial Order Now.

CUT FLOWERS

ROSES, CARNATIONS, CHRYSANTHEMUMS and all other Seasonable Stock.

Our Roses are of exceptionally good quality. Our Carnations, although a little short of stem are as Good a Grade as can be found in the Market.

WIETOR BROS., 51 Wabash Ave., Chicago.

Chicago.

STOCK IMPROVING.

The quality of the different flowers to be seen around the market is showing improvement every day. The weather for the past week has been very pleasant and the stock cut from outdoor plants is much better than what could be procured last week. The cooler nights are enabling the greenhouse men to regulate the temperature and consequently this line of stock is improving rapidly. Roses continue to be of fine quality and good stock can be obtained of all the standard varieties. American Beauties are plentiful and of very good grade. Carnations are improving rapidly, stems are longer and flowers are far better than a week ago. Chrysanthemums are more plentiful and some very handsome blooms are to be seen, but as yet only white and yellow have reached the market. Lily of the Valley is improving and abundant enough to supply all demands. Lilies are a little shorter and sell well. Violets have made their appearance but are of the early fall grade. The market is still well stocked with out-door products, quantities of asters are received daily and while some bear evidence that their season is closing some very fine blooms of the branching sorts are obtainable better than last week, after the rains. Large shipments of gladiolus are being received and are selling very well. Quantities of the coarser out-door flowers are being disposed of and the store windows are decorated with Golden Rod, Rudbeckia, Helenium, Na-

tive Asters and Clematis paniculata. Greens of all kinds are in good supply and demand.

NOTES.

H. Van Gelder of Percy Jones' is enjoying an exceptionally good business, and the last week sales proved to be the largest he has had since Memorial week. The last shipment of colored asters were disposed of on Monday but he still has a number of acres of white asters coming in. A large quantity of carnations are arriving of exceptionally good quality and are among the best to be found on the market.

The stock of palms and greenhouse plants that the George Wittbold Co. is offering this fall is in exceptionally fine condition. They also have fifty acres planted out to nursery stock, including ornamental shrubs, trees and perennials. A complete catalogue has been issued, which will be furnished upon application.

The Horticultural Society executive committee met at the Union Restaurant September 16 and considerable progress was made with flower show business. Geo. Asmus was appointed manager, with offices downtown. The show will be held at the Coliseum, November 7-12.

Vaughan & Sperry are offering their trade a very high grade of roses in all the leading varieties and are receiving large shipments of carnations that are quickly disposed of. Saturday was a very busy day, the busiest of the season, both in local and in shipping trade.

Hoerber Bros. are cutting a very good grade of Killarney, Jardine and Hill roses. Two new unnamed varieties of white and pink roses will soon be ready for the market. September 20 was the first anniversary of the opening of their wholesale store.

One of E. C. Amling's shippers is sending him three shipments of 800 lilies each week, of excellent quality, making a weekly receipt of 2,400. Mr. Amling is now able to handle orders for them in any quantity.

At Vaughan's Greenhouses there is now a fine assortment of Phoenix Roebelenii, Asparagus plumosus nanus, bay and box trees, crotons and other indoor plants in great variety and fine condition.

News was received by Chas. W. McKellar from Columbus, O., that his brother, James, of the Fifth Avenue Floral Co., is in a hospital seriously ill with pneumonia.

Zeck & Mann are this week offering a fancy grade of indoor carnations to the trade. This firm reports a heavy demand for asparagus strings and A. sprengeri.

J. A. Mendel, West Eighteenth street, nominee for county commissioner, is this week attending the national democratic convention at St. Louis, Mo.

It is with much regret that we record the death of George Wittbold, pioneer florist of this city, in our obituary column this week.

Weiland & Risch are cutting a very good quality of roses and carnations, the latter as good a grade as can be found in the market.

Chrysanthemums

**Golden Glow
Oct. Frost**

Acknowledged the best in this market,
\$2.00 to 2.50 per doz.

We have some special **Golden Glow**, extra large, for
exhibition purposes, **\$3.00 per doz.**

—PRICE LIST—

AM. BEAUTIES, Per doz.
36 in. and over..... \$3 00
24 to 30 in..... \$2 00 to 2 50
18 in..... 1 50
12 to 15 in..... 1 00
Shortstems, per 100, 4 00 to 6 00

ASTERS, according
to size..... per 100, \$2 00 to \$4 00

HARRISH LILIES per doz., \$ 1 50
" per 100, 12 00

**Maryland, Richmond, Killarney,
White Killarney, Kaiserin.**

Per 100
Good lengths..... \$6 00
Medium lengths..... 4 00
Good short lengths..... 2 00 to 3 00

Extra select **Kaiserin**.... 8 00
ROSES, our selection... 2 00

FANCY CARNATIONS,
Pink and White..... 2 00 to 3 00

White and Yellow 'Mums,
per doz..... \$2 00 to \$3 00
Lily of the Valley... 100, 3 00 to 4 00
Asparagus..... per string, 60
" Sprays, per 100, \$3 00 to 4 00
Sprenger..... per 100, 2 00 to 3 00
Ferns..... per 1000, 1 50
Smilax..... per doz., 2 00
Adiantum..... per 100, 1 00
Galax, green..... per 1000, 1 00
" bronze..... per 1000, 1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

At a meeting of the Florists' Club bowling league, held September 16, T. C. Yarnall was elected president, Allie Zeck secretary and E. F. Winterson treasurer. The league will open its season September 28 at Bensinger's alleys, 118 East Monroe street. The members of the different teams were selected at a meeting held September 21. Poehlmann Bros. have donated five very handsome scarf pins, which will be given to the five men having the highest score at the end of the season. Geo. Asmus is offering what is known as the Asmus cup to the player having the highest individual score at the close of the season. In addition to these, several other valuable prizes have been offered.

Bassett & Washburn are cutting an excellent grade of chrysanthemums. Golden Glow is exceptionally large and October Frost is showing up remarkably well. This firm is also cutting a large quantity of their new red carnation, O. P. Bassett, for which the demand is heavy. An excellent quality of Rhea Reid, Killarney and American Beauty roses was seen here.

J. A. Budlong is handling a very good grade of carnations from indoor stock. Several letters were received from their customers at Fort Worth, Texas, complimenting them for the excellent quality and the fine condition in which the carnations arrived. We also noticed some white and yellow chrysanthemums of an excellent quality.

The roses that are being received every morning at the store from the Poehlmann Bros. houses are as fine as is often seen at this season of the year. The Killarneys are of excellent color and stem, and the Beauties of fine quality. Chrysanthemums are being received that almost rival the later sorts.

The Mrs. Marshall Field roses cut at the Peter Reinberg houses are of

extra fine quality and the 2,500 which were offered to the trade on September 19 were disposed of as soon as placed on sale. They are of a very rich pink color with long, straight stems. The shipping trade this year is far better than last.

J. B. Deamud Co. is receiving large quantities of gladioli and carnations, the latter being of an exceptionally good quality. Chrysanthemums have made their appearance and Golden Glow is showing up remarkably well. This firm is handling large quantities of wild smilax.

The work of renovating George Perdikas' store, corner of Dearborn street and Jackson boulevard, has been completed. A new front has been constructed, new fixtures added, telephone installed, the interior newly decorated and two large signs placed over the entrances.

John Krutchen is this week offering a very good grade of carnations; his crop is in the best of condition and looks very promising. Regular shipments of chrysanthemums will commence to arrive the latter part of this or the first part of next week.

Wietor Bros. are cutting a very good grade of Kaiserin, Richmond and Killarney roses and are handling carnations of a very good quality. This firm is now offering chrysanthemums to the trade, the yellow ones are of exceptionally good.

A. L. Randall Co. is receiving regular shipments of orchids from the east. An exceptionally good quality of roses was seen here. The changes which are being made in the store will be completed next week.

Chas. W. McKellar is now receiving regular shipments of orchids from the east, several new varieties being seen this week. We noticed Vanda Cærulea and Dendrobium Phalenopsis.

The Raedien Basket Co., 713 Milwaukee avenue, is receiving a large number of orders for their baskets. An illustrated catalogue and price list has been issued and will be mailed to anyone on request.

Fred Franke, who has been visiting his sister, Mrs. R. C. Lange, 3339 North Whipple street, this summer, returned to his home at Santa Anna, California, September 19.

Miss J. Then, daughter of Anton Then, has charge of the floral department of the Pasteur Filter Sales & Repair Co., 105 Dearborn street.

George Reinberg is cutting a very good grade of roses. Their Brides and American Beauties are of an exceptionally good quality.

N. P. Miller of J. B. Deamud Co. on September 17 underwent an operation for the removal of several large tumors from his head.

O. P. Bassett and wife took their departure September 20 for Pasadena, Calif., where they expect to make their future home.

Miss G. Harper of E. H. Hunt's on September 19 returned from her vacation in northern Michigan.

The date of the State Fair at Springfield is September 30 to October 8, inclusive.

E. H. Hunt is this week receiving a very good grade of gladioli and carnations.

Visitors: D. E. Law, Salt Lake City, Utah; Mr. Burt of Burt & Coggan, Battle Creek, Mich.; C. E. Franke, Supt. of parks, Oklahoma City; J. A. Carbone, West Berkeley, Calif.; John Rindfleisch, Beloit, Wis.; E. J. Fancourt, Philadelphia, Pa.; Henry E. Klunder, Pittsburgh, Pa.; Miss Myrtle Somers, Keokuk, Ia.; S. Wachenheim, Vicksburg, Miss.; Theo. Miller, St. Louis, Mo.; Geo. H. Service, Batavia, Ill.

WE ARE CUTTING HEAVILY

Mrs. Marshall Field, Richmond and Am. Beauty Roses.

Also Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,		Per doz.			Per 100			Per 100
Long stems	.....	\$3 00	Killarney, select	.....	\$6 00	Carnations	.....	\$1 50 to \$2 50
30-inch stems	.....	2 50	medium	.....	\$4 00 to 5 00	Asters	.....	2 00 to 3 00
24-inch stems	.....	2 00	Mrs. Marshall Field, select	.....	8 00	Valley	.....	3 00 to 4 00
20-inch stems	.....	1 50	medium	.....	4 00 to 6 00	Easter Lilies	..... per doz.,	1 50 to 2 00
15-inch stems	.....	1 25	Bridesmaid	.....	4 00 to 5 00	Asparagus Plumosus,	.....
12-inch stems	.....	1 00	Bride	.....	4 00 to 5 00	extra quality	..... per bunch,	50
Short stems	.....	\$4 00 to \$6 00 per 100	My Maryland, select	.....	6 00	Fancy Ferns	..... per 1000,	1 50
Richmond, select	.....	Per 100	medium	.....	4 00 to 5 00			
medium	.....	\$6 00	Ivory	.....	5 00			
	.....	\$4 00 to 5 00						

ROSES, our selection.....\$3.00 per 100

Peter Reinberg,

35 Randolph St.,
CHICAGO.

St. Louis.

FULL OF BUSINESS.

We have now had some fall weather. All last week the nights were cool and the days were bright. Sunday, however, the weather was very warm and sultry. Everybody seems to be more lively. Our wholesalers wear a smile which will not come off until next summer unless some heavy and tiresome gluts should make their appearance. Roses are daily improving, showing more vitality, better shape, size and color. Carnations also have shown a marked improvement. Of course, the majority are short-stemmed. Asters are with us but in reduced quantities. Gladioli and tuberose are somewhat plentiful. Yellow and white cysanthemums are in. The retailers, owing to the cooler spell, had their windows decorated with all flowers in season. In two weeks we will be in the midst of our annual fall festivities, including the Industrial parade and the Veiled Prophets' ball. These events, together with the reception to be given this week at the Knights of Columbus hall to Cardinal Vannutelli, will use a certain amount of flowers.

NOTES.

The Metropolitan Floral Co. had the decorations at the opening of the new Princess theater, Grand avenue and Olive street, September 19. They supplied over 3,000 American Beauty roses, one being pinned at every seat and large bunches were used in the adjoining reception rooms. Every lady received an American Beauty rose as a souvenir.

A. Siegel has several store openings this week for which he will furnish plants and other floral decorations. Alex has leased a space at Schaper Bros.' new dry goods emporium at Eighth and Washington avenue, to be opened November 1, which will be a branch of his present location.

We regret to announce the illness of Mrs. John Steidle from nervous prostration. She is at present under treatment at the Deaconess hospital. The sympathy of the trade is extended to John Steidle and a speedy recovery is prayed for.

Henry Wegmann, 84 years old, a pioneer gardener, died September 14 at his home, 8932 Halls Ferry road, and was buried September 16. He was born in Germany and established a floral business in St. Louis in 1855.



ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc. Send for Quotations.

CHAS. W. McKELLAR

51 Wabash Avenue.
CHICAGO.

Fred Sandoz received first premium at the county fair for display of foliage plants and palms. Cut flower bouquet, Miss Josie Mosely, first, and E. Knoche, second. Floral design, Mrs. E. Knoche, first, and Mrs. Stephens, second.

Gustave Gross has just completed three houses for violets and carnations, each 32x100 feet. His brother, Rudolph, has also completed another house, 16x135 feet, for violets.

The Florists' Bulletin seems to have caught on and its next issue will show enlargement. This is a local sheet and run in the interests of the Florists' Club.

Adolph Ahner is now bringing 300 tuberose stalks into the market every other day. His carnations are improving daily.

Werner Bros.' roses are showing marked improvement. They are of good color and foliage.

The Horticultural Society held a meeting of the executive committee last week.

Mrs. E. Buechel, of the Riessen Floral Co., has just returned from Cleveland, O. W. F.

Louisville.

The display of plants and flowers at the state fair, held Sept. 14th, was the finest that had ever been held in the state of Kentucky, the florists of this city making every possible effort to make this feature a grand success.

The following premiums were awarded:
Best group of palms—Nanz & Neuner, first; Mrs. M. D. Reimers, second.
Best floral design—Jacob Schultz, first; Mrs. M. D. Reimers, second.
Best bridal bouquet—Jacob Schultz, first.
Best basket of flowers—C. B. Thompson, first; M. D. Reimers, second.
Display of cut flowers—M. D. Reimers, first; J. Schultz, second.
Display of asters—J. J. Schultz, first; M. D. Reimers, second.
Display of gladioli—J. Schultz, first; M. D. Reimers, second.
Chrysanthemums—J. Schultz, first; M. D. Reimers, second.
Pink roses—Nanz & Neuner, first.
Best table of cut flowers—M. D. Reimers, first; J. Schultz, second.
Best basket of fruit—S. H. Blankenbaker, first.
County display—Baldwin of Henderson, first; Johnson of Jefferson, second; Smith of Bullitt, third.
Best selection 25 varieties of grapes—S. H. Blankenbaker, first.

FALL ANNOUNCEMENT

We are in position to furnish you with the best stock ever seen in this market so early in the season. To satisfy yourself on this score send us your orders—let us convince you of the fact. Can supply

BEAUTIES IN ALL GRADES

equal to the best; for color and substance they simply can't be beat.

Also the following Roses in quantity, of splendid quality:

My Maryland,

Killarney,

White Killarney,

Jardine,

Richmond,

Field,

Kaiserin,

Bride,

Bridesmaid.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

Yellow — CHRYSANTHEMUMS — White

Valley
Harrisii
Gladioli
Auratum
Tuberoses

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

100 Live Goldfish Free.

The majority of people who never handled Goldfish have the mistaken idea that Goldfish die very rapidly and are a great care. Handle fish as we instruct and you will not lose two out of a hundred and they will be but little care. There is nothing that you can put in your window that will attract more attention than Goldfish.

We are giving away, **FREE** of all charge, to one florist in each town, 100 live, healthy Goldfish. The florist can give one Fish to each customer as a premium and thereby increase his regular sales.

Special Offer---Here is a Profit for You.

INVEST \$16.00 IN OUR COMBINATION NO. 10, AND REALIZE \$30.65

CONTAINS THE FOLLOWING—

12 10c Globes, 1 pint	1 \$1.00 Globe, 2-gal.	100 10c Fish
12 25c Globes, ½-gal.	1 \$1.25 Globe, 2½-gal.	25 15c Fish
6 50c Globes, 1 gal.	6 Castles \$1.50	6 10c bunches Moss
1 box Pebbles, 10c	3 Small Castles, 45c	48 10c boxes Fish Food



All kinds of Goldfish for sale.

Free with each outfit: 100 Fish to sell or give away, 250 circulars, One dip net, One book "How to Breed and Care for Goldfish."



Call and look over our stock

Imported and American Goldfish, from \$2.00 up per 100.

We Manufacture Window Aquariums.

Send for
Catalogue.

The Auburndale Goldfish Company, New No. 920 W. Randolph St., Chicago, Ill.

Goldfish and Aquariums.

An attractive and interesting window display that has been used by many florists is furnished by an aquarium or small dishes of gold fish and in many cases has proven, very remunerative. Some florists have beautified their stores with expensive fountains but the less expensive manner of showing these beautiful little creatures of the finny tribe in globes and aquariums is sure to attract attention and create an interest in nature.

The Auburndale Goldfish Co., 920 W. Randolph street, are headquarters for American and imported gold fish and aquarium supplies and are conversant with all the details conducive to successful care of them and will gladly furnish all necessary information. They carry in stock from ten to twenty thousand fish, and is the only concern in the country dealing exclusively in gold fish. Mrs. K. N. Cooper, who has successfully managed this concern for the last four years is of very pleasing address and calls special attention to the liberal offering made in their advertisement upon this page of this issue, and will gladly furnish a catalog upon application, and any information that may be desired.



Mrs. K. N. Cooper.

Manager Auburndale Goldfish Co., Chicago.

La Crosse, Wis.

The meeting of the Florists' and Gardeners' Society was held September 13. J. P. Wagner opened the discussion on the growing of Cyclamen. After this the subject was generally discussed by those present. A committee was appointed to report on the advisability of the Association holding a flower show some time during November. The feeling seemed to be that the La Crosse florists could get up a very interesting flower show that would attract the attention of our citizens and of florists in nearby towns.

J. S. M.

How to Grow Exhibition Sweet Peas.

L. E. Renault in the Revue Horticole, gives most interesting directions for the special culture of sweet peas from which we cull the following extracts: "The sweet pea demands a deep, calcareous, humous soil, rather light but quite firm. The plants may be grown in rows or clumps, as required for flowers or for general effect; the fundamental principle is that each plant should be supplied with a square foot of well-prepared soil. Rows should be five feet apart, which will

Get The Habit

of buying your **BEAUTIES** where you can always be sure of getting the best and at all seasons. We handle **Dittmann's New Castle Stock**, which ought to be a guarantee to any buyer who is looking for quality. For a general stock of **Roses, Carnations** and **Green Goods**, you will always find us right.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$3 00
30-inch stems.....	2 50
24-inch stems.....	2 00
20-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
Per 100	
Richmond, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00

Killarney, fancy.....	Per 100
select.....	\$8 00
medium.....	6 00
Bridesmaid.....	\$4 00 to 5 00
Bride, fancy.....	\$4 00 to \$5 00
medium.....	\$8 00 to \$10 00
My Maryland, select.....	4 00 to 5 00
medium.....	8 00
Chatenay.....	4 00 to 5 00
Ivory.....	5 00
Asters.....	75 to 3 00

Gladioli, named varieties.....	Per 100
in mixture.....	4 00 to 5 00
Roses, our selection.....	1 50 to 2 00
Carnations.....	3 00
Valley.....	\$1 80 to \$2 00
Easter Lilies.....	3 00 to 4 00
Sprengerl.....	12 00 to 15 00
Asparagus Plumosus.....	25c to 35c per bunch
extra quality per bunch.....	35c to 53c
Fancy Ferns.....	
per 1000.....	\$1 50

Boxwood, 20 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

leave just space to pass when the plants are developed. Trenches two feet wide and three feet deep should be dug, a considerable labor, but one which pays in the prolongation of bloom, diminution of watering and improvement of soil. It is better done in the fall but may be done in late winter, and if the soil is too heavy, leaves, wood ashes, leaf mold or other humus must be added, but manure, even half rotted, should be avoided on account of cryptogamic diseases. Sweet peas are fond of lime, of which of course an excess is to be avoided, as that would 'burn' the soil. A simple test is to take a drinking-glass, half filled with the soil to be examined and pour over it a wineglassful of hydrochloric acid; if there is an intense boiling, the soil is rich enough in lime, and the feebleness of the effervescence the greater the need of lime. For a trench 30 feet long, about two pounds of slaked lime will supply a soil which shows no reaction of lime. Superphosphate of lime (six ounces per yard of trench), if prepared in spring, or fine bone meal if in the previous autumn is the best fertilizer.

Sowing in the open ground never gives very large flowers; the great secret of attaining monster sweet peas is to secure an uninterrupted and regular growth, especially when the plants are young. Sow them in thumb pots, one seed to each, or in 4 to 6-inch pots, five or six to each. Any porous soil will do; ours consists of turf two parts, leaf mould one part, sand one part. Fill the pots lightly to an inch from the top and water lightly an hour or two before sowing. Seeds of light colors, and mauve and light blue, recognized by their shriveled appearance, have a tendency to decay instead of germinating, and it is prudent to cover the soil that is to receive them with sand. The dark sorts, on the contrary, often have a covering as hard as that of a canna which may be lightly scored on the side opposite the eye. This method is much more successful with the canna than the long soaking in tepid water that is often advised. Cover the seeds with half an inch of soil and place in the cold frame on a bed of ashes until germinated. Seeds which have not come at the end of 25 days may be scored and will then germinate without difficulty. Harden as soon as possible, and the week before planting out they should be uncovered day and night. Water plentifully rather than often.

Plant out on a mild and cloudy day; the plants in thumb-pots may be set

"THE BUSIEST HOUSE IN CHICAGO."

SOMETIMES a man is satisfied with the stock he is receiving because he has never received any better, is not sure that he can, and believes that he had better let well enough alone.

Did it never appeal to you that you might get better stock for the same money, or the same stock for less money. You can't lose anything by finding out. A trial order will convince you.

J. B. DEAMUD CO.,
51 Wabash Avenue. CHICAGO.

without breaking the ball; the others must be carefully separated and planted with a trowel, at the very least, 16 inches apart; 24 inches would be better. A few days after sowing an ounce or so of nitrate of soda per yard stimulates the root growth. The question of supports is a serious one, for well cared for sweet peas will grow 10 to 12 feet high in a season with good support, without which they produce many branches and mediocre flowers with short stems. Some growers use tall trellises of large-meshed wire, connected with strings eight inches apart. Others place posts at each end of the trench and connect by wires. Of course, it is awkward to pick from such tall plants, and a new procedure is finding favor;—after six or eight weeks of blooming, when plants are six to seven feet high, the plants are cut back to 12 to 16 inches from the ground, keeping only the main stem; the trenches are copiously watered and the plants are kept constantly moist. This is the essential condition. At the end of a week, new shoots appear on the old stem, of which only the strongest one or two are retained; the first buds are pinched off to strengthen the shoots, and in a month the rejuvenated plants are giving a harvest equal to the first, which continues till frost. Watering is necessary, and must be extremely abundant so that the water may reach the bottom of the trenches, lest the deep roots die. Half-waterings are the secret of the most frequent failures. Fifteen gallons of water are required to water a yard of trench three feet deep. A mulch of tanbark, fern or pine branches and early morning spraying may reduce the waterings to one a week, but two are better.

Horticultural Society of New York.

The fall exhibition of this society will be held at the American Museum of Natural History Nov. 8-13, 1910. The halls selected are ideally located and ample in size to grant the necessary room for each exhibitor to display his entries to the best advantage. The premiums are open to competition to all, whether members or not. The schedule of premiums has been published and is ready for distribution and a copy will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. Liberal prizes are offered for chrysanthemums, roses, carnations, orchids, stove and greenhouse plants, and fruits and vegetables.

Baltimore Notes.

Miss Fiedler has opened a neat and attractive looking store at Hampden, a locality where there have been few florists' stores, and which ought to be good territory for her enterprise.

R. Vincent Jr. & Sons have invited the Gardeners' and Florists' Club to visit their dahlia and canna show, to be held September 27 at Cowenton.
S. B.

ROCKLAND, ME.—Walter O. Frost, of Munising, Mich., has purchased the greenhouse and florist business formerly conducted by H. J. Billings.

DEFIANCE, O.—Christ Winterich has been awarded the contract for furnishing the floral work at Riverside Cemetery for the season of 1910-1911.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 486.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Milwaukee.

Roses at the present time are exceptionally fine, with good grade and quality. Carnations are still scarce but few growers cutting same. The out-door stock is rapidly coming to an end, although quite a number of gladioli and dahlias are still being cut. The majority of asters are of a poor grade, mostly short stemmed. Lily of the Valley selling readily. Lilies still scarce and bring good prices. American Beauties mostly of the medium grade are quite plentiful but of good quality. Majority of stock is bringing good prices and business has been satisfactory, considering the dull time which usually prevails during state fair week.

NOTES.

Wm. Eschrich has opened up a floral department at Esphenhain's, which is a new venture in the department stores.

Increasing business has caused the E. Welke Co. to erect another greenhouse, which is nearing completion.

Henry Preuss, previously located at 14th and Walnut street, is opening up a new store on Twelfth near Vliet.

Mr. A. Leidiger of the Edlfsen & Leidiger Co., has gone to Cedar Lake to spend a few days fishing.

James Fox, of J. M. Fox & Son, has left for Crandon, Wis., to spend a two weeks' vacation.

M. A. McKenney & Co. reports business very satisfactory.

Visitors: J. J. Karrins, Dreer Co., Philadelphia, Pa.; J. E. Matthewson, Sheboygan, Wis.; J. N. Johnson, Racine, Wis.; Mrs. T. Hinchliffe, Racine, Wis.; N. B. Lassen, Racine, Wis.

G. R.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED

WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 21.	
Roses, Beauty, extra select...	3 00
" " specials.....	2 50
" " 36 in.....	2 00
" " 30 in.....	1 50
" " 18 in.....	1 25
" " 15 in.....	1 00
" " Short.....	50@ 75
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium.....	2 00@ 2 50
" Killarney, select.....	3 00@ 0 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chateau.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select....	4 00@ 10 00
" " medium.....	2 00@ 3 00
Carnations.....	75@ 3 00
Asters.....	5@ 3 00
Chrysanthemums.....per doz.,	2 00@ 3 00
Cattlevas.....per doz.,	4 00@ 6 00
Cosmos.....	1 00@ 3 00
Dahlias.....	2 00@ 4 00
Gladioli.....	1 0@ 4 00
Lilium Harrisii.....per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns.....per 1000,	1 00@ 1 50
Smilax.....	1 50@ 2 00

Wisconsin State Fair.

The Wisconsin state fair last week was very successful and the Milwaukee florists and seedsmen were fortunate in securing a large number of awards. The following were the prize winners:

Plant Department.

Collection of greenhouse plants—Currie Bros., first; A. Klokner, second; J. Dunlop, third.
Display of plants—A. Klokner, first; J. Dunlop, second.
Display of ferns—J. Dunlop, first; A. Klokner, second.
Ten varieties of greenhouse plants—A. Klokner, first; J. Dunlop, second.
Ten varieties of foliage plants—A. Klokner, first; J. Dunlop, second.
Five named varieties—A. Klokner, first; J. Dunlop, second.
Five named geraniums—A. Klokner, first; J. Dunlop, second.

Cut Flowers.

Floral design—Currie Bros., first; J. Dunlop, second; A. Klokner, third.
Basket of flowers—Currie Bros., first; A. Klokner, second; J. Dunlop, third.
Bouquet of wild flowers—H. Koerner, first; J. Dunlop, second; A. Klokner, third.
Display of cut flowers not in other entries—J. Dunlop, first; A. Klokner, second; H. Koerner, third.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

Display of pansies—A. Klokner, first; J. Dunlop, second.

Display of asters—J. Dunlop, first; A. Klokner, second; W. Dallwig, third.

Display of hardy phlox—H. W. Koerner, first; W. Dallwig, second; A. Klokner, third.

Display of gladioli—H. Koerner, first; A. Klokner, second; J. Dunlop, third.

Display of dahlias—H. Koerner, first.

Display of cannas—H. Koerner, first; J. Dunlop, second.

Display of carnations—A. Klokner, first; J. Dunlop, second.

Display of lilies—Hunkel's Seed Store, first; A. Klokner, second.

Display of roses—A. Klokner, first.

Floral bouquet—H. W. Koerner, first; J. Dunlop, second.

Snap dragon—A. Klokner, first; J. Dunlop, second.

Larkspur—H. W. Koerner, first; J. Dunlop, second.

Calendula—A. Klokner, first; J. Dunlop, second.

Dianthus—J. Dunlop, first; A. Klokner, second.

Decorative grasses—A. Klokner, first; J. Dunlop, second.

Cosmos—H. W. Koerner, first; J. Dunlop, second.

Cockscombs—H. W. Koerner, first; A. Klokner, second.

Gaillardia grandiflora—H. W. Koerner, first; A. Klokner, second.

Hydrangea P. G.—J. Dunlop, first; H. W. Koerner, second.

Flower Beds.

Bed of cannas—Rud. Preuss, first; Heitman & Baerman, second.

Bed of geraniums—A. Klokner, first; R. Preuss, second.

Bed of salvia—R. Preuss, first; F. Kaiser, second.

Any other bed—F. Kaiser, first; Heitman & Baerman, second.

G. R.

Of Special Interest to Retailers Is Our Offer in

EASTER LILIES

\$1.50 per dozen; \$10.00 per 100. Thoroughly reliable stock in every respect. We have Lilies every day in the year, and can furnish them in most any quantity on short notice.

THE LEO NIESSEN CO.,**BRONZE GALAX**

\$1.00 per 1000; \$7.50 per case.

A STAPLE ARTICLE YOU USE EVERY DAY.

The stock we offer is of an unusual good quality. Try a case.

1209 Arch St., Philadelphia, Pa.**Philadelphia.****SIGNS OF AUTUMN.**

All about us are signs of autumn. The straw hats have nearly all been harvested or destroyed, and vests are again fashionable. If Lewis Carroll's whimsical "walrus and carpenter" were here they would doubtless "talk of many things" and wind up by eating their companions, the oysters. A good fall suit of clothes is now available, providing you have the price, and it is also comfortable. With all this evidence at hand, it is evident that the florist's dull days are almost over. Dahlias are now a great feature of the market. The growers of Hammonton, N. J., are sending in much fine stock, which, in addition to what comes from many other sources, supplies a great wealth of bloom. Cosmos is also very abundant and they are poor indeed who cannot have a small bunch of some kind of blossoms. A number of the retail stores feature the golden rod in their windows.

September 19.—There is an abundance of stock to supply all demands. Orchids are probably the scarcest but there seems to be enough to go around. Some gardenias are coming in but they are not potent factors in the market. The supply of roses is normal. The weather is much cooler, which indicates, if continued, that the supply of stock will soon be lessened.

NOTES.

Lloyd G. Blick, a leading florist of Norfolk, Va., visited this city during the past week. With his sister and a party of friends he motored up from Norfolk in a high power Packard car. While here the party were the guests of Edward Reid and wife at their country home. Mr. Reid took them out in his car and showed them a large section of New Jersey. Mr. Blick and his party journeyed from here to Atlantic City and other seashore resorts. It was their intention to visit New York city, going thence to Maine. They will, on returning, go through the mountains of New Hampshire, the Mohawk valley and will view Niagara Falls, then through the Cumberland valley and the Valley of Virginia, toward home. Mr. Blick and his party were greatly pleased with what they saw here, but are yet fond of the sunny south.

The Henry F. Michell Co. will open their second annual dahlia show at their store, 1018 Market street, on September 27, continuing till the 30th. All the best varieties will be exhibited and prizes awarded to private gardeners. Philip Freud will be in charge.

Komada Bros., 921 Wood street, manufacturers of wire designs, are an enterprising body of young men. They do a large business because they are always on the job and turn out work on very short notice.

Charles Henry Fox, Broad street, below Walnut, is again in his store, the picture of health. Mr. Fox is thoroughly up-to-date and many features of his store are unique and interesting.

Robert Kift is handling very fine Dorothy Gordon carnations from the range of Joseph Heacock, Wyncote. The flowers are good and the stems long for this season.

Wholesale Flower Markets

PHILADELPHIA, Sept. 21.		Per 100
Roses, Beauty, extra.....	15	00@25 00
first.....	8	00@10 00
Brides and Maids.....	1	00@ 5 00
Killarney.....	1	00@ 6 00
White Killarney.....	1	00@ 5 00
Asters.....	75	00@ 3 00
Cattleyas.....	50	00@75 00
Dahlias.....	1	00@ 3 00
Gladioli.....	2	00@ 4 00
Lilium Harrisii.....	6	00@ 8 00
Lily of the Valley.....	2	00@ 4 00
Snaptagons.....	4	00@ 8 00
Adiantum.....	75	00@ 1 00
Asparagus..... per bunch, 50		
Smilax.....	15	00@20 00

PITTSBURGH, Sept. 21.		Per 100
Roses, Beauty, special.....	12	00@15 00
extra.....	8	00@12 00
" No. 1.....	4	00@ 6 00
Bride Bridesmaid.....	1	00@ 4 00
Chatenay.....	1	00@ 4 00
Killarney.....	1	00@ 4 00
My Maryland.....	1	00@ 4 00
Richmond.....	1	00@ 4 00
Carnations.....	1	00@ 2 00
Astris.....	1	00@ 2 00
Gladioli.....	2	00@ 5 00
Lilium Longiflorum.....	6	00@ 8 00
Lily of the Valley.....	3	00@ 4 00
Sweet Peas.....	25	@ 50
Adiantum.....		1 50
Asparagus Sprengeri, per bunch, 50		
strings... per string, 50		
sprays... per bunch, 50		
Smilax.....		15 00

The store of M. C. Riehs, 1020 North Fifth street, is always a busy place and the genial and kindly lady who presides has many friends in that section of the city.

In the show window of Habermehl's Bellevue-Stratford store, very handsome combinations of dahlias and golden rod are seen.

Charles Fox, Sr., of 1307 North Broad street, was serving on a jury last week, and left the big store to his young men.

George Craig, 211 South Eleventh street, has recently been sending out a large number of fine funeral designs. Godfrey Aschmann, who has been looking up stocks in Europe, will sail from Rotterdam for home October 8.

T. Nelson Geiger, Thirteenth and Walnut streets, is showing very original designs and decorations.

The Chestnut Hill Horticultural Society held its annual dahlia show September 13.

The Robert Craig Co. continues to ship large numbers of their splendid crotons.

John McIntyre is receiving a fine quality of cattleya orchids.

Single violets are on the market.

Pittsburg.

There is a slight change for the better in the flower market over last week. Asters are still coming in fine, but are gradually getting shorter in the stem. Stock is moving out nicely and Saturday evening found the commission houses pretty well cleaned up. Carnations are coming in more plentiful, with a good demand. Beauties are moving out nicely. Greens of all kinds are still very plentiful.

McRae & Jenkinson & Co., New Kensington, Pa., have leased the Eisner Flower Store on Penn. Avenue and

FINE**Asters and Gladioli****THE McCALLUM CO., Inc.,**

937 Liberty Ave., PITTSBURGH, PA.

Pittsburgh Cut Flower Company**WHOLESALE GROWERS**

222 Oliver Ave., PITTSBURGH, PA.

Asters, Gladioli, Beauties,**Roses, Sweet Peas.**

All seasonable flowers.

Pittsburg Florists' Exchange,

15 Diamond Square, PITTSBURGH, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.Solicit Consignments of First-Class Stock.
"Honesty Our Motto." Try Us.

opened September 15. Frank Stafford, formerly with Zeiger Co., is in charge. H. L. Blind & Bros., East End, are booking a number of weddings for next month. This firm was unfortunate September 14, having their delivery truck damaged in an accident.

DeForest Ludwig, son of E. C. Ludwig, North Side, leaves Monday for Ithaca, N. Y., where he intends to take a special course at Cornell University.

A new flower store has opened at No. 1 Federal street, North Side, known as the Allegheny Floral Co., proprietors, J. F. Jedicka and A. J. Perlik.

J. N. Thomas, Greensburg, Pa., has his share of misfortune. Just nursed one through typhoid fever, when the second one developed it.

Albert Lorch, Allison Park, Pa., while out speeding his new automobile, met with an accident which wrecked his car almost completely.

There are rumors out to the effect that another new store will be opened shortly. This one will make the fourth in four weeks.

The McWilliams Floral Co., Natrona, Pa., have just finished two new houses, 35x300.

Breitenstein Co. are showing pretty windows of yellow mums and gladioli.

Randolph & McClements had several very large weddings on this month.

M. Anderson is putting in a new ice box in his Fifth avenue store.

T. E. Butler, New Kensington, Pa., reports business picking up.

Mrs. E. A. Williams has a very fine window display of dahlias. J.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 228 Devonshire St. Boston, Mass.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

Boston.

ASTERS ABUNDANT.

Fridays, Saturdays and Mondays are the busy days at the Park street markets. Asters are still abundant, but show the approaching end of the season. The prices are very unstable. One man asks 50 cents and the man next to him 75 cents for about the same quality. Another who has a reputation for asters sells out readily for \$1 a hundred. At Park street no roses more than twelve or fourteen inches are offered, and they are mostly Killarneys, Kaiserins and Richmonds. Carnations are coming into form again. Gladioli are approaching their end. With home coming the retail florists again begin to be busy. At Galvin's "trade improving—new violets begin to come—pink Killarney roses better quality." Business at Carbone's "exceptionally good." Hoffman, on Mass. avenue, is extending his fine front to over 100 feet. Penn. Bromfield street, will begin to put in a new front next week. He is handling a large number of American Beauty roses daily.

NOTES.

The committee on gardens in the Massachusetts Horticultural Society, made a visit September 13 to Dr. W. T. Kendall at Atlantic. The committee were very greatly pleased and interested in what he was doing in growing high grade pears, apples, plums, grapes and peaches.

The schedule of prizes for the General Autumn Exhibition at Horticultural Hall, September 23, 24 and 25, is ready for circulation. The competition is open for plants and flowers, fruits and vegetables. There are seventy-one classes, three prizes to each.

Robt. Cameron's stricture on the Dahlia Show proves how near we come to failure when we think we have done a big and fine thing. "Do you call this a magnificent dahlia exhibit? Why there's nothing here to show what the florist can do with it."

W. H. Elliott, Brighton, utilizes space by laying planks along the upper interior of his asparagus houses and filling them with potted Mums. He waters them with a long hooked pipe.

A. M. Davenport, Watertown, is putting up a bungalow for his foreman,

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Sept. 21.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@4 00	
" " Bride, Bridesmaid	1 00@4 00	
" " Extra	5 00@8 00	
" " Killarney and Richmond	1 00@6 10	
" " My Maryland	1 00@8 00	
" " Carnot	2 00@8 00	
Carnations, select	1 00@2 00	
" " fancy	2 00@3 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@4 00	
Smilax	12 00@16 00	

ST. LOUIS, Sept. 21.		
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	2 00@5 00	
" " Killarney	3 00@4 00	
" " My Maryland	3 00@4 00	
" " Richmond	4 00	
Carnations	1 00@1 50	
" " fancy	1 50	
Asters	1 00@3 00	
Easter Lilies	8 00@10 00	
Adiantum	2 00@1 00	
Asparagus Sprengerii	2 00@3 00	
Smilax	12 50@15 00	

CINCINNATI, Sept. 21.		
Roses, Beauty	1 00@3 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Golden Gate	2 00@6 00	
" " Killarney	2 00@6 00	
" " Richmond	2 00@6 00	
Carnations	1 00@2 00	
Asters	1 00@3 00	
Callas	10 00	
Daisies	50	
Lilium Album and Rubrum, per doz.	50	
Lilium Auratum, per doz.	1 50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengerii, per bch.	25	
Smilax	12 50@15 00	
Gladiola	3 00@4 00	

MILWAUKEE Sept. 21.		
Roses, Beauty, per doz.	5.03 00	
" " Bride Bridesmaid	3 00@6 00	
" " Killarney	3 00@8 00	
" " Richmond	3 00@6 00	
Carnations	2 00@3 00	
Asters	1 00@2 00	
Gladioli	3 00@5 00	
Lilium Giganteum, per doz.	2 00	12 50
Lily of the Valley	3 00@4 00	
Magnolia	35	
Snapdragon	2 00@4 00	
Adiantum	1 50	
Asparagus	50@60	
" " Plumosus, per bunch	35@50	
" " Sprengerii	35	
Ferns, Fancy	per 1000.	1 50
Galax	per 1000.	1 50 20
Smilax	per doz.	1 50

Mr. De Thustoup. He is bringing to town a prime lot of Whitmani ferns and araucarias.

Galvin's and Zinn's are both busy with funeral work. Several florists had orders for fine pieces for the funeral of Mr. Wood, of Jamaica Plain.

Welch Bros. report a very busy week in shipping orders. They find a large sale of American Beauties, lily of the valley and pink and white Killarneys.

Mrs. John L. Gardner distributed 14 prizes, aggregating \$100, this week at North and West Ends, for roof gardens and window boxes.

—THE— J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

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Wholesale Florist,

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C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

At McCarthy's auction sales Boston and Adiantum ferns, carnation plants and Asparagus Plumosus were the stock sold.

William Nicholson has sixteen or more varieties of carnations that are coming into the market in fine condition.

Mann Bros. are large sellers of "everything"—lilies, chrysanthemums, tuberose, dahlias, salpiglossis and cosmos.

The September Fruit, Vegetable and Flower Show at Horticultural Hall this coming week promises great attraction.

W. E. Doyle has been using large quantities of Lily of the Valley, exhausting the market.

N. A. Hudson, Natick, makes a specialty of yellow Marguerites, and will have an abundance.

Norris S. Comley, Lexington, is cutting 1,000 new crop carnations daily.

J. G. Forbes' Auburndale asparagus of both kinds were praised.

The firm of C. Casey, Melrose, is now Cornelius Casey & Sons. W. T. H.

New York.

DULL BUSINESS.

There is little change in the market over that of last week, while there may be a few more buyers around than there has been of late, their general demeanor denotes a don't care whether I buy or not spirit which is not at all conducive to good prices. Some pretty good roses and mums are arriving now but the lack of demand still holds the prices down. Gladioli are thinning out but the supply of asters does not seem to diminish any. Dahlias are now arriving in great quantities.

NOTES.

A new company has been incorporated, styled Badgley, Riedel & Meyer, Inc., successors to A. J. Guttman, 34 West Twenty-eighth street. H. C. Riedel and Meyer Othle, two members of the company having been in the employ of A. J. Guttman for over six years and are well known in the trade. W. G. Badgley, another member is a large rose grower in Chatham, N. J. Great things are expected of this firm who will start business September 17.

Some very artistic show windows are now noticed among the retail stores, the various hued crotons with backgrounds of cybotium ferns seem to be very much in favor, while bright colored tritoma and pots of celosia appropriately named the ostrich feather plant by a certain Broadway dealer, add considerably to the color effects.

A meeting of the New York Florists' Bowling Club was held in F. H. Traendly's office on September 17 and the following officers were elected: J. A. Manda, president; John B. Nugent, treasurer; J. A. Shaw, secretary. The meeting was adjourned to meet September 23. Alleys were also inspected and engaged for every Friday night and second Monday afternoons.

The new store of Max Schling at Fifty-ninth street next to the Plaza hotel is by far exceeding the expectations of the proprietor. The store is artistically decorated and carries a very large stock of cut flowers. An auto delivery car is a new acquisition.

The first Thursday in October will be prize night at the Astoria Florists' Bowling Club, which will resume bowling for the season on that date.

M. Bowe, the Herald Square florist, has taken a temporary store at 60 W. Thirty-third street, where he will conduct business until permanent quarters are procured in the vicinity.

David Clarke Sons have just completed alterations on their Broadway store having installed many more electric lights and painted the interior. Mrs. J. Trepel, wife of Jake Trepel, died while on a trip to South America. The remains will be brought home for interment.

Kessler Bros. will open their new wholesale plant store at 136-138 West Twenty-eighth street about September 15.

N. J. Hill & Co. will open a wholesale cut flower store at 58 West Twenty-eighth street on or about September 20.

The Pennock & Meehan Co. of Philadelphia, will open their New York store on Monday, Sept. 19.

John Huber of Hanft will succeed Mr. Ross as head florist at Sherry's October 1.

Yonkers, N. Y.

A meeting of the Horticultural Society was held September 2. The prizes for the best collection of six varieties of vegetables offered by H. Nichols and L. Taylor were productive of a fine display. The judges, John Barry, J. Mooney and L. Taylor, awarded the prizes as follows: H. Scott, 1st, and J. Goff, 2nd. Louis Milliott read an interesting paper on "The most popu-

lar Christmas flower, the poinsettia." The executive committee reported that the annual exhibition would be held in Co. G's armory Nov. 10-11, 1910. A schedule of prizes and entry blanks have been issued and can be procured of the secretary, H. Scott, 615 No. Broadway, Yonkers, N. Y. L. W.

Washington.

DEMAND FOR DECORATIVE PLANTS.

While there is an improvement in business it progresses very slowly. The householders are returning to their homes but the "season" has not yet opened. The most noticeable effect of the return of the many voyagers, is the increased demand for palms and ferns. When a house that has been closed all summer is again opened, the first requisite is plants to brighten it up and make it appear more homelike. Taking advantage of this sentiment, a number of the dealers have been holding plant sales which, as a rule have been very successful. Cut flowers move slowly. We have noted some very fine American Beauty roses, for the season, going to waste. There is an abundance of tea roses and many of them are good but, it is hard work to push them. Of dahlias and cosmos there is an overabundant supply. Carnations are seen in surprising quantities for the season, but they are of little use except in funeral work. A few chrysanthemums are seen; they are not factors in the market but serve well as novelties.

NOTES.

As president of the Chamber of Commerce, W. F. Gude has been very busy during the past week, receiving delegates to the various conventions that have held meetings here. On September 17 he welcomed more than five hundred delegates from various cities, attending a convention arranged by the Builders' and Manufacturers' Exchange of this city. Incidentally, it may be stated that another prospective florist has arrived at Mr. Gude's home, a boy, which increases his little flock to three boys and two girls.

George C. Shaffer executed a fine decoration at the Mexican Legation on the night of September 15. It was a dinner decoration and there were thirty-five guests. There was a magnificent centerpiece and two smaller oval pieces, all of the best flowers, one at each end of the table. He is receiving fine chrysanthemums of Golden Glow from Shaffer & Co., Alexandria, Va.

Alexander B. Garden, who enjoys the unique distinction of being the only florist in the District who was born on the place on which he now resides, was severely bruised while boarding a street car on September 15. Though painfully injured, it is the belief of his physician that he will soon be around again. During his enforced idleness Mr. Garden spends much of his time reading the AMERICAN FLORIST.

J. H. Small and wife, who have been touring Europe for the past two months reached New York September 15. They are expected home early this week. Mr. Small is a veteran in the business and his impressions of European horticulture are sure to be interesting and instructive.

Leapley & Noyer, who opened a retail store at 905 G street, N. W., last May are doing a good business. Both are young, but experienced. One of the features of their store is a pebble dashed icebox, an original idea of Mr. Leapley.

C. Ponnent & Co., who have to stands in the Centre Market, with greenhouses at Alexandria, Va., are showing an exceptionally fine stock of ferns and other plants. This firm also grows large quantities of mushrooms.

John Robertson had the misfortune to slice the end of one of his thumbs while doing a job of pruning, one day last week. As he is serving on the jury, a little thing like that does not bother him much.

The Philipps Flower Shop, 2926 Fourteenth street, N. W., has just received consignments of palms from Chas. D. Ball, Holmesburg, Pa., and foliage plants from Robert Craig, Philadelphia.

L. E. Hoover, of Mayberry & Hoover, has just returned from a month's stay at St. George's Island at the mouth of the Potomac. This is a noted resort for fishermen and Mr. Hoover is a disciple of Isaak Walton. Enough said.

Manager Schnell of the Washington Florists' Exchange is handling a very fine quality of lily of the valley, grown by M. R. Gray, Oakton, Va. He has also fine ferns from Ley & Bickings, Goodhope, D. C.

P. H. Dorsett of the Department of Agriculture has just returned from a four months' tour of inspection. He visited California and the northwestern states, going thence to the South.

G. E. Anderson has rented his greenhouses at Ballston, Va., to Kendall O'Dwyer, and is now in charge of the estate of Mrs. Gardner Hubbard, Twin Oaks, D. C.

J. Louis Loose and wife celebrated their silver wedding on September 16 and received many congratulations from their numerous friends.

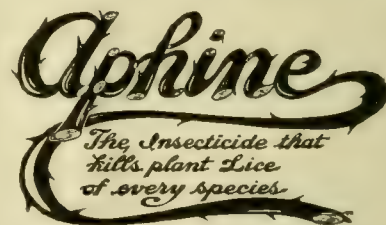
Geo. H. Cooke has been very busy of late fitting up the houses of a number of his customers with palms, ferns and other foliage plants.

Z. D. Blackstone has been having a palm sale and it was very successful. He is also making a fine display of cut flowers.

John Gutman of Congress Heights, D. C., has just completed a new house 25x200 feet, for the growth of mixed stock.

Visitors: Fred. J. Michell and W. P. Craig, Philadelphia; Julius Dilloff, representing Schloss Bros., New York.

Theodore Dietrich of Congress Heights has fine crops of violets and sweet peas coming on.



Its merits have been conclusively proven through Public Demonstrations.

Aphine will not injure the the tenderest flower or foliage—in fact it invigorates plant life.

It possesses excellent cleansing qualities.

\$2.50 per Gallon; \$1.00 per Quart.
Get it from Your Seedsmen, or Write

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Seasonable Flowers in Stock.

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Commission
Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, Sept. 21.	
Roses, Beauty, special.....	8 00@20 00
" " extra and fancy....	3 00@ 8 00
" " No. 1 and No. 2.....	50@ 2 00
" Bride, Bridesmaid, special.	4 00@ 6 00
" extra and fancy.....	50@ 2 00
" Killarney, special.....	4 00@ 6 00
" extra and fancy.....	1 00@ 2 00
" " No. 1 and No. 2.....	50@ 1 00
" Kaiserin, special.....	4 00@ 6 00
" extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2.....	50@ 1 00
Carnations.....	1 00@ 2 00
Asters.....	25@ 2 00
Chrysanthemums... per doz..	1 00@ 2 00
Cattleyas.....	50 00@ 60 00
Dahlias..... per doz.....	75
Gladiolus.....	50@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 50@ 3 00

BUFFALO, Sept. 21.	
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@ 4 00
" Bride Maid, Killarney.....	2 00@ 6 00
" Kaiserin.....	4 00@ 7 00
" Pres. Carnot.....	4 00@ 7 00
Carnations.....	1 00@ 2 00
Asters.....	4 @ 2 00
Chrysanthemums, Golden Glow..	10 00@ 5 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@10 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Water Lilies.....	3 00@ 5 00
Adiantum Cereanum.....	1 25@ 1 50
Asparagus per bunch.....	35@ 50
Asparagus Sprenger.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00

August Millang

WHOLESALE FLORIST

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N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
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P. J. SMITH,

Are the best product of the best growers
for the New York market.

Adiantum Cereanum, sold here exclusively.

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Telephone 1998 Madison Square.

Baltimore.

LOW WATER SUPPLY.

The month of September is showing its accustomed vagaries, and within a week the mercury has ranged from 92 down to 45 degrees. In this immediate locality the long, continued drought is unbroken, and the question of water supply for the city and suburban district is becoming very trying. The collecting reservoirs do not receive as much water as they supply, and the surplus in the storage reservoir gets lower and lower. One private company which supplies the densely populated suburb east of the city turns off the supply at night, much to the disgruntlement of many persons who carry on establishments of various sorts requiring large quantities of the element. In the churches prayers are being offered for rain, and a condition exists all around which is full of in-

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Chrysanthemum Novelties my specialty.

convenience and fraught with possible disaster to a great population. Quite a destructive fire reached far larger proportions because of the diminished pressure in the pipes, and a very uneasy feeling prevails. There is somewhat more animation in business; the streets are filling up, the sojourners by the sea, in the mountains and the country-side, are resuming their old haunts and customs and the demand for flowers and plants begins to be felt. Unfortunately, the supply of material is rather limited and, as might

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Receivers and Shippers of **FRESH FLOWERS.**

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be predicted from the sudden and great alternations of temperature in the houses, the quality is not of the best. Out-door stuff, owing to the drought, is not abundant, and roses and carnations are hardly up to the standard. Asters are finished up, the dahlia is not in great favor, and the gladiolus is not adapted to general requirements. Lehr Bros. lost a valuable horse a few days ago, it dropping dead in the street without apparent cause after leaving home in good condition with a load of plants. S. B.



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CINCINNATI.

**WE MAKE A SPECIALTY OF
TAGS FOR FLOWERS**

Strong, clear white, waterproof stock. With artistic designs
fine color printing, perfect embossing

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in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc..

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on receipt of same.
Give us a trial. We know we can please you.

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Satisfaction guaranteed.

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Now Ready—New 1910 Edition

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Florists, Seedsmen and Nurserymen
of the United States and Canada.

PRICE: \$3.00, postpaid.

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324 Dearborn St., CHICAGO



FANCY.

\$1.00 per 1000

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Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax \$1.00 per 1000; \$8.50 per 10 000

Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,

Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice. Telephone or telegraph.

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FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine

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Boxwood per bunch, 35c; 50-pound case \$8.50

Log Moss, in barrels for hanging baskets \$2.00 per barrel

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Galax, Leucothoe and Ferns

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Established in 1857.

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A sign like this in your window will draw good Business now.

Steamship Sailings.

From New York except as noted.
Sept. 27.

Potsdam, Holl.—Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.
FROM BOSTON, Ivernia, Cunard, 4 p. m.,
Cunard Wharf.

Sept. 28.

Lusitania, Cunard, 9 a. m., Piers 54 and 56,
North River.

Sept. 29.

La Touraine, French, 10 a. m., Pier 42, North
River.
Friedrich der Grosse, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.
United States, Scan.-Amer., 2 p. m.
FROM MONTREAL, Virginian, Allan, 9 a. m.
FROM QUEBEC, Lake Champlain, Can.-Pacific,
3:30 p. m.

Oct. 1.

California, Anchor, 2 p. m., Pier 64, North
River.
St. Louis, American, 10 a. m., Pier 62, North
River.
Caronia, Cunard, 10 a. m., Piers 54 and 56,
North River.
Florida, French, Pier 84, North River.
Baltic, White Star, 10 a. m., Piers 60 and 61,
North River.
Laurentic, White Star-Don., Daylight.
FROM PHILADELPHIA, Haverford, American.
10 a. m., Pier 54.

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Omaha, Neb.

Hess & Swoboda

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The Park
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J. A. VALENTINE, President.

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Washington, D. C.

Geo. C. Shaffer,

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McKenna
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CLEVELAND, O.

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Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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John Phillips

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Kansas City, Mo.

Samuel Murray

913 Grand Ave.

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Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Name Index to Retail Florists Filling Telegraph Orders.

Anderson Floral Co., The, 583 Marshall Ave., Anderson, S. C.

Anderson, S. A., 440 Main St., Buffalo, N. Y.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Baer, Julius, 138 E. Fourth St., Cincinnati.

Bertermann Bros. Co., 241 Mass. Ave., Indianapolis, Ind.

Blackstone, 14th and H Sts., Washington, D. C.

Boland, J. B., 60 Kearney St., San Francisco, Calif.

Breitmeyer's Sons, John, Miami and Gratiot Aves., Detroit, Mich.

Cleveland Cut Flower Co., The, Cleveland, O.

Clark's Sons, David, 2139 Broadway, New York.

Cooke, Geo. H., Conn. Ave. and L St., Washington, D. C.

Crump, Frank, Colorado Springs, Colo.

Daniels & Fisher, Denver, Colo.

Dards, 44th and Madison Ave., New York.

Dunlop's, 96 Yonge St., Toronto, Can.

Eyres, 11 N. Pearl St., Albany, N. Y.

Fisher, H. A., Kalamazoo and Battle Creek, Mich.

Galvin, Thos. F., Inc., 124 Tremont St., Boston.

Gasser Co., The J. M., Cleveland, O.

Gude Bros., Washington, D. C.

Heinl & Son, John G., 129 So. 7th St., Terre Haute, Ind.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller Sons, J. B., 25 Clinton Ave., N., Rochester, N. Y.

Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

McConnell, Alex., 571 5th Ave., New York.

McKenna, Montreal, Can.

Malandre Bros., 2094 Broadway, New York.

May & Co., L. L., St. Paul, Minn.

Matthews, 16 W. 3rd St., Dayton, O.

Murray, Sam'l, 913 Grand Ave., Kansas City, Mo.

Myer, Florist, 609 Madison Ave., New York.

Park Floral Co., The, Denver, Colo.

Palmer & Son, W. J., 304 Main St., Buffalo, N. Y.

Phillips, John V., 272 Fulton St., Brooklyn, N. Y.

Pollworth Co., C. C., Milwaukee, Wis.

Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.

Rock Flower Co., Wm. L., Kansas City, Mo.

Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.

Shaffer, 14th and I Sts., N. W., Washington, D. C.

Smith, Henry, Grand Rapids, Mich.

Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Weber, F. H., Boyle and Maryland Aves., St. Louis, Mo.

"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wolfskill, J. W., 218 W. 4th St., Los Angeles, Calif.

Young's, 1406 Olive St., St. Louis, Mo.

Boston, Mass.

Penn The Florist

"Penn, The Telegraph Florist"

Wire us and we will wire you. We cover all points in New England.

43 BROMFIELD STREET.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

M. D. REIMERS

Successor to Chas. W. Reimers.

.....223 S. Fourth Avenue.
Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Mention the American Florist when writing



**WASHINGTON
D. C.**

Gude's

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO
Will fill all orders for Cut Flowers, Funerals
Designs, Wedding and Birthday Gifts that may
be entrusted to them.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail,
telephone, telegraph and cable orders with best
quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874, Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 508. Long Dis. Bell Phone 117

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the
large cities of Europe and the British
Colonies. Cable orders forwarded by
private code. Telegraph and Cable Ad-
dress, DARDSFLOR.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co., 583
Marshall Ave.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree
St.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Brooklyn, N. Y.—John V. Phillips, 272 Fulton
St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene
Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main
St.
Cincinnati—John Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, Miami
and Gratiot Aves.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass.
Ave.
Kalamazoo and Battle Creek, Mich.—H. A.
Fisher.
Kansas City—Geo. M. Kellogg Flower and
Plant Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—J. W. Wolfskill, 218 W.
4th St.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
New York—David Clark's Sons, 2139 Broadway.
New York—Dards, 44th and Madison Ave.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton
Ave. N.
St. Louis—F. H. Weber, Boyle and Maryland
Aves.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—John G. Heint & Son, 129
So. 7th St.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
St.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.,
N. W.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any
part of the United States, Canada and
all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

St. Paul, Minn.

HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNE-OTA AND THE DAKOTAS.

Mention the American Florist when writing

Los Angeles, Calif.

J. W. Wolfskill,
FLORIST,

Telegraph Orders
A Specialty, 218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

MICHIGAN beans are reported two-thirds of a crop.

VISITED CHICAGO: Geo. H. Dicks, of Cooper, Taber & Co., London, Eng., and Catesby Spears, Paris, Ky.

COMMENTS on the seed crops of 1910 remind us of James Sproule's famous "Season of growth depression."

STUART LOW & Co., London, Eng., reports cyclamen seed an average crop this season and in one novelty they are already sold out.

PEA growers in Michigan say the more peas are threshed the smaller the quantity grows, most discouraging to dealer and farmer alike.

J. C. VAUGHAN was nominated as the democratic candidate for congress in the second Illinois district, September 15, in opposition to James R. Mann, republican.

CHICAGO.—Prices on the board of trade September 21 for grass seed were noted as follows: Timothy, \$7.75 to \$8.75 per 100 pounds. White clover from 20 cents to 25 cents.

THE crating and cleaning of onion sets now in progress at Chicago indicate a yield somewhat in excess of earlier expectations. The quality is excellent.

PURE SEEDS IN VICTORIA.—The government of Victoria, according to a British trade paper, is drafting a bill to insure, as far as possible, the purity and germination value of seeds sold and, contrary to the custom usual with some other governments, has invited the co-operation of the seed trade.

NEW YORK.—The seed stores are getting up some very attractive and artistic windows of Dutch bulbs just now. —Wm. Elliott reports a very successful auction for the first of the season.—Buds' report a very busy year for their first and all indications point to the following one being much better. D. Adams, formerly of Thorburn's, is now on the road for this firm.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Rains Damage California Beans.

Ventura, Calif., September 16.—The Hogue-Kellogg Co. write as follows: "On September 14 and 15 the lima bean growing district of southern California was visited by the most disastrous rainstorm in the history of the state. Some three or four inches of rain fell throughout the lima bean territory, coming at a time when not over five per cent of the crop had been harvested. If dry winds follow the loss will not be great, but at this time the weather is damp and foggy and the loss to the bean crop may run as high as 25 per cent. The rain was not nearly so heavy at Lompoc, however, where nearly all the garden varieties of beans are grown and the loss will not be serious there."

Carpinteria, Calif., September 16.—The Henry Fish Seed Co. write as follows: "These unusual rains in September are getting too common for the comfort of the bean growers. After the damaging rain of September 14 we are thankful for the wind and sun this afternoon. The rain will cause much handling and shrinkage but harvest will be resumed as soon as the beans are dry."

Harvesting Michigan Beans.

The time for harvesting beans depends largely upon climatic conditions, earliness of planting and varieties grown. The latter part of August and early September comprise the common harvest time. If weather conditions are favorable for quick curing, according to the Michigan Experiment Station bulletin, it will be well to begin harvesting before the beans are ripe enough to shell. On the other hand, if weather conditions are unfavorable, it is well to let the crop get ripe so that most of the leaves have dropped off. The crop will then cure quickly and can be stored away. The sooner the bean crop can be stacked or housed safely, the less the liability to loss by unfavorable weather.

The pulling of beans is usually done with a bean puller or harvester, replacing the old tedious, back-breaking method of pulling by hand. The bean puller pulls two rows at a time, placing them together in a row between. Care should be taken to have the draft to the puller adjusted so that the blades cut about one and a half to two inches below the surface the whole length of the puller blade. This should

be adjusted with each team that is used by raising or lowering the end of the pole, so that when the blades strike the ground they will cut the whole length. Men should follow with forks and put the beans in small piles, about four to six rows into one, for convenience in hauling. The rows of piles should be far enough apart so the wagons can be driven between them. In some parts of the state the side delivery rake is used for separating the beans from the ground after being pulled. This is objectionable on all but light soils as it gets too much soil among the vines and as the threshers do not separate the soil from the beans, they go to the elevators in that condition.

Should the beans get wet after being pulled, they ought to be turned as soon as possible after the storm. The wetting of beans does not injure them materially, provided they are not allowed to lie on the ground without being turned over. They should be sacked or put in sheds or barns as soon as cured.

THRESHING.

Beans are now threshed by a special machine or beaver which has been instrumental in materially increasing the acreage of beans grown. These machines are usually introduced into localities where beans are grown commercially and offered for hire on a plan similar to that used by grain threshers.

Imports.

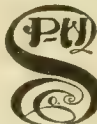
During the week ending September 17, imports were received at New York as follows:

McHutchison & Co., 182 cases bulbs.
C. C. Abel & Co., 79 cases bulbs.
Stumpp & Walter Co., 76 cases bulbs.
C. F. Meyer, 72 cases bulbs, 34 cases plants.
F. R. Pierson & Co., 44 cases bulbs.
W. Elliott & Son, 41 cases bulbs.
Vaughan's Seed Store, 32 cases bulbs, nine cases plants.
H. F. Darrow, 31 cases bulbs.
W. E. Marshall & Co., 13 cases bulbs.
Hinsdale Florist Co., 13 cases bulbs.
A. Rolker & Son, 12 cases bulbs.
P. Henderson & Co., nine cases bulbs.
McHutchison & Co., eight cases bulbs, 150 tubs laurel trees, 44 cases plants.
J. M. Thorburn & Co., three cases bulbs, 145 bags seed.
Burnett Bros., one case bulbs.
J. Roehrs Co., 96 tubs laurel trees.
H. Nungesser & Co., 61 bags grass seed.
To others, 2,222 cases, 146 pkgs. bulbs, 43 cases plants, 396 bags seed, 350 bbls., 300 bags clover seed, 100 bags poppy seed, 50 bags sunflower seed.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.





Giant Pansy PLANTS and SEED The KENILWORTH Strain

1910 seed—light, medium or dark mixtures, 2000 seeds 50c; 5000 \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00.

Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield, Mme. Perret, white darkeye, purple masterpiece red, bronze and light blue shades. Trade packets 25c; any five for \$1.00. Plants 100 50c; 1000, \$3.00.

Chas. Frost
Kenilworth,
N. J.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.** and Wisconsin.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.

Ar oyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910

— TO THE TRADE —

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Lily Bulbs Ready for Immediate Shipment.

	Per 1000		Per 1000
Lilium Formosum, 7-9.....	\$65.00	Lilium Jamesi, 6-7.....	\$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisii, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,
1215 Betz Bldg.,
PHILADELPHIA, PA.

Fall Bulb Catalogue

If you have not received
a copy send for it.

James Vick's Sons Rochester, New York

Mention the American Florist when writing

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
a copy please send for one. New crop of
seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

The American Florist Company's Flower Colors

Use our COLOR CHART in describing them.
PRICE, \$1.00 POSTPAID.

American Florist Co.,
324 Dearborn St., CHICAGO, ILL.

High-class Seeds, Bulbs, Plants, Shrubs and
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

	Per 1000
Lilium Longiflorum Multiflorum, 7-9.....	\$50 00
" " Giganteum, 7-9.....	65 00
" " Formosum, 7-9.....	65 00
F. O. B. New York.	

Mention the American Florist when writing

RELIABLE SEEDS.

	Oz.	Tr.
Bells, double Daisies Longfellow, pink	\$3 00	30c
" " Snowball white	3.00	30c
Carnations, hardy garden, finest		
double mixed	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special florists' mixture	4.00	50c
Pinks, double dwarf hardy garden mxd.	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd.	4.00	50c
For other varieties ask for my catalogue.		

O. V. ZANGEN, Seedsman, Hoboken, N. J.

BULBS For good flowers buy good bulbs. Note the Prices.

	Per 1000
Write for complete list.	
Paper White Grandiflora, fine stock.....	\$ 8.00
Emress, Double Von Sion or Princeps	10.00
Emperor	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

Pape & Bergmann, Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc.,
Cactus Dahlias, Bulbs. General Catalogue Free

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Kuetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

Market Gardeners' Convention.

The third annual convention of the Greenhouse Growers' and Market Gardeners' Association of America, will be held at Grand Rapids, Mich., Sept. 27, 28 and 29, 1910. All persons engaged or interested in the growing of vegetables for market are eligible to membership in this organization and their co-operation in the work of the society is earnestly solicited. The following program has been issued and distributed by the secretary, S. W. Severance, Louisville, Ky., who earnestly appeals to all vegetable growers and market gardeners to attend the convention and join the association:

Tuesday, September 27.

9 a. m.—Call to order—President C. W. Waid, New Carlisle, Ohio.

Welcome Address—Geo. E. Ellis, Mayor of Grand Rapids.

Response—Prof. Wm. R. Lazenby, Columbus, Ohio.

President's Address.

Report of Secretary.

Report of Treasurer.

Reports of State Vice-Presidents.

Reports of Standing Committees.

"Results of Local Organization"—Floyd J. Zuck, Erie, Pa.

1:30 p. m.—"The Use of the Greenhouse to Start Plants for Outdoor Crops"—Discussion opened by W. J. Ritterskamp, Princeton, Ind.

"Outdoor Irrigation—When Practicable?"—Discussion opened by H. F. Chester, Cleveland, Ohio.

"The Relation of the Commercial to the Small Greenhouse Grower"—Discussion opened by W. H. Weluschek, New Castle, Pa.

"Pointers on Onion Growing"—Prof. A. McMeans, North Dakota Agricultural College.

"Treatment of Greenhouse Soils for Continuous Cropping"—Prof. W. J. Green, Wooster, O.

"What Kinds of Vegetable Seeds Should the Market Gardener Grow for his Own Use?"—Discussion opened by J. Vernon Sheap, Jackson, Mich.

7:30 p. m.—"Some Diseases of Forcing Tomatoes" (illustrated)—Prof. Thos. Gunson, Michigan Agricultural College.

"Notable Truck Farms and Market Gardens" (illustrated by stereopticon views)—Prof. R. L. Watts, State College, Pa.

"The Work of the Virginia Truck Experiment Station"—Prof. T. C. Johnson, Norfolk, Va.

Wednesday, September 28.

9:00 a. m.—Appointment of Nominating Committee.

"Which is to be Preferred, the Large or Small Package?"—Discussion opened by J. N. Draper, Springfield, Mo.

"Are Present Transportation Rates Just?"—Discussion opened by J. H. Rice, Ashtabula, Ohio.

"Selling to the Consumer Direct"—Discussion opened by A. Shire, Dayton, Ohio.

"Selling to the Retailer"—Discussion opened by L. B. Pierce, Tallmadge, Ohio.

"Selling Through the Commission Men"—Discussion opened by R. F. Dilger, Chicago, Ill.

1:30 p. m.—Afternoon set apart to visit places of interest in and about Grand Rapids.

6:00 p. m.—Annual banquet.

Thursday, September 29.

9:00 a. m.—"Heating and Watering in Winter in Greenhouses"—Discussion opened by B. H. Thorne, Wooster, Ohio.

"Different Methods of Firing Greenhouse Boilers"—Discussion opened by C. D. LeVan, Sauborn, N. Y.

"Muskmelon Culture"—J. S. Brigham, Bowling Green, Ohio.

"How Can Early Outdoor Tomatoes be Made Profitable?"—Prof. W. F. Massey, Salisbury, Md.

"Market Gardening in Colorado"—Prof. Wendell Paddock, Columbus, Ohio.

1:30 p. m.—Reports of Committees.

Election of Officers.

"Some Pointers on Greenhouse Construction"—Discussion opened by E. A. Dunbar, Ashtabula, Ohio.

"Celery Culture"—R. H. Garrahan, Kingston, Pa.

"Some Recent Investigations in the Pollenization of Tomatoes"—Prof. O. I. Gregg, Michigan Agricultural College.

"Detail Methods of Operating a Massachusetts Market Garden"—Prof. H. F. Tompson, Attleboro, Mass.

Detroit.

TRADE ERRATIC.

Trade these days is quite erratic but on the whole is fairly good for the season. Some lively spurts occasionally are experienced when all the available good stock is used up. Some good asters are on the market but the trade is tiring of them and seek even the short stem carnations that are now coming in. Roses are in good supply and fairly good stock can be had at most times.

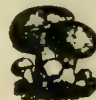
FLORISTS' CLUB MEETING.

The Florists' Club meeting September 19th was most successful in point of attendance and features of the proceedings. President George Browne was in the chair and showed rare ability as a presiding officer, impressing all with the wisdom of his election to the presidency. M. Bloy read a paper on "Observations and Benefits to Be Derived By Attending the S. A. F. Convention." He reviewed the various exhibits and stronger features of the Rochester meeting and elicited a hearty vote of thanks for his interesting and instructive address, which was followed by a general discussion of the same subject by all of those present who had visited the Flower City convention week. E. A. Scribner also read a paper entitled "My Vacation Trip," which he took with Mrs. Scribner to New York and Atlantic City, including the S. A. F. convention. This address also was most interesting and much of the well known originality and humor of the venerable ex-president of the club was injected into it, and received a vote of approval at its conclusion. President Browne, who visited the School Garden exhibits at twenty public schools last week, commented approvingly on this good work in which the club is interested, making an annual donation of fifty Boston ferns as awards to the school children making exhibits. The work is carried on under the direct supervision of the Twentieth Century Club, having the co-operation of our club. This year the judges of the exhibits were: Robt. Unger, Walter Taepke, E. A. Scribner, Frank Danzer and J. F. Sullivan. Mayor Breitmeyer is especially identified with the work and annually donates a Boston fern to each

school making an exhibit. Elmer D. Smith & Co., Adrian, Mich., sent a number of blooms of their new aster, "Peerless." It is a pure white variety of immense size on long stems, and a shell pink variety not yet disseminated was also shown. Both were highly commended and a vote appreciative of their merits was given the originators.

NOTES.

Chas. Hufford has opened a store at 51 Gratiot avenue and it will be called "The Cash Flower Shop." He conducted the flower department at 14-16 Gratiot avenue the past two years. The latter place is now conducted by the Misses Lillian and Clara Rauss. Miss Clara got her floral experience at Breitmeyer's.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession..	\$0.20	\$1.00
Lettuce, Grand Rapids Big Boston.		
Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

— Cash with order. —

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.



TYPE OF OUR CYCLAMEN.

Calla Bulbs..

Calla Bulbs, fine, 1 to 1¼-inch diameter, \$3.00 per 100; \$25.00 per 1000.
Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
Route 1, Box 54. **HOLLAND, MICH.**

John Klang, for many years with Breitmeyer's, will soon embark in business with Wm. Rockelman in a neat little store, corner of Forest avenue and Chene street.

Miss Hattie Halzhauer, with years of experience in florist work, has joined Edward Bleil in partnership and opened a store at 20 John R. street.

Mayor Philip Breitmeyer will retire from political life January 1 next and thereafter give his undivided time to the florist business. J. T. S.

Cleveland.

Stock has shortened up considerably the past week. Carnations are rapidly showing better form. Asters are becoming less plentiful and of poorer quality, those now coming in being about the last of the crop. There are plenty of Kaiserin roses on the market and of the best of quality. Pink roses are short of the demand. Adiantum fern is finding a slow market. Plumosus and sprengeri is plentiful but cleans up nearly every day. Good Valley is finding a ready market.

NOTES.

Another retail flower store has opened at 1282 Euclid avenue right next to the Jones-Russell Co., and will be known

A FEW SPECIALTIES IN BULBS

NARCISSUS.

	Per 100	1000
Paper White Grandiflora, 14 cm., 1000 to the case	\$1.25	\$11.00
Bicolor Victoria, selected double-nosed bulbs.	1.75	16.00
Emperor selected double-nosed bulbs	1.75	15.00
Golden Spur, selected double nosed bulbs	2.25	19.00
Double Von Sion, selected double-nosed bulbs.	2.25	19.00
Poeticus Ornatus selected double-nosed bulbs.	1.00	7.50

Freessias, Bermuda-grown.

Bulbs ¾ to ½ inch and up in diameter	.75	6.00
--------------------------------------	-----	------

Bermuda Buttercup Oxalis.

Extra sized bulbs.	.75	6.00
--------------------	-----	------

Complete list of Fall Bulbs and Feras sent free on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our **Fall Bulb and Seed Catalogue**, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,
342 W. 14th St., NEW YORK CITY.

as the "Flower Shop." Mr. McNulty, formerly of the McNulty Millinery Co., and E. C. Rock, who has another store on Woodland avenue, are the proprietors.

Frank Smith of the Smith & Fettus Co., left for Chicago last week for a short stay. He will visit a few other western cities before returning.

C. B.

VAUGHAN'S Giant-Flowered Cyclamen

Pure White (Mont Blanc)	.....	Per 100 seeds, \$0.75
Dark Crimson.		Per 1000 seeds, 5.00
Rosa von Marienthal, "Daybreak" pink		250 seeds of a color at the 1000 rate.
Dark Rose.		
White, with Crimson Eye.		

Giant-Flowered Cyclamen , extra choice mixed:	
Per 100 seeds	\$ 0.50
250 seeds	1.15
1000 seeds	4.50
5000 seeds	20.00

This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). This is to our knowledge, the best strain in this color which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1000 Seeds, \$10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine with flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye and Lilac Colored, Each, per 100 seeds, \$1.00; per 1000 seeds, \$9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture.

25 seeds	\$0.25
100 seeds	.85
1000 seeds	8.00

English Grown Giant Cyclamen.

Price, 100 Seeds, \$1.00; 1000 Seeds, \$9.00.

Princess May, Pale pink.
Princess of Wales, Giganteum variety. Pink.
Mauve Queen, Giganteum variety. Mauve.
Duke of Connaught, Giganteum variety. Purplish crimson.
Duke of Fife, Giganteum variety. Dark Rose.
Salmon Queen, New extra choice color.
Rosy Mora, Giganteum variety. Delicate rose color. Claret base
Picturatum, Giganteum variety. Light rose tinted, with claret base.
Grandiflora alba, The largest giant white crown.
Excelsior, Giganteum variety. White, with red base. Extra large flowers.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

TULIPS.	Per 100	1000
Keizerskroon	1.25	\$10.50
La Reine	1.00	8.80
Rose Gris de Lin	1.10	8.50
Rose Luisante	1.75	14.50
Murillo	1.25	10.00
Couronne d'Or	1.75	14.00
Gesneriana Spathulata	1.25	9.50

LILIUM HARRISII.

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case...\$17.50 per case
Less quantities. \$6.00 per 100
7 to 9 inch, 200 to the case...\$18.00 per case
Less quantities. \$10.00 per 100

White Roman Hyacinths.

Bulbs 12 to 15 cm., 2,000 to the case	\$2.75	\$25.00
13 to 15 cm. bulbs 1,600 to the case	3.00	28.00

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

THE ninth annual convention of the National Nut-Growers' Association will be held at Monticello, Florida, November 1-3, 1910.

CHARLES CITY, IA.—E. N. Sherman, president of the Sherman Nursery Co., has the sympathy of the trade in the loss of his daughter, Catherine, September 12, age 19 years.

In our reply to "A. L. G.," issue of September 3, page 308, the last question, what is the best variety, or varieties, later than Festira Maxima and Whitley to prolong the cutting season; other than Drop White which has a short stem? was unanswered. Mad Crousse is one of the best to follow the above varieties.

ELLWANGER & BARRY, Rochester, N. Y., were awarded the highest prize for the largest and best collection of fruit trees, ready to plant, embracing apple, pear, peach, plum, cherry and quince, at the state fair at Syracuse. They also received the highest award for grapevines and bush fruit plants, and received over fifty prizes for their display of fruits.

WHILE the southern states at present have a monopoly upon the growing of pecan nuts, yet like all other vegetable life, they are susceptible of improvement when guided by the intelligence of man, and a variety of pecans may yet be discovered or originated that will mature in the northern states, and the vast hickory forests of North America can be made to bear profitable crops of this queen of nuts.

The Seventeen Year Locust.

While the people of New Jersey are recovering from their struggle with the mosquito, Dr. John B. Smith, state entomologist, announces that the seventeen year locust (*cicada septendecim*) will visit them next May. This insect has an evil record and is able of converting a paradise into a waste. It will probably be most abundant in eastern New Jersey and Dr. Smith says: "There is no way of poisoning the insects for they do practically no feeding, and it is not the least dangerous to handle them. All insectivorous birds feed freely on these cicadas and so does the ordinary farm poultry of all kinds. Sparrows take a malicious delight in tearing them to pieces and little damage may be expected where these birds occur in large numbers. But it is one thing to have the locusts destroyed by bird executioners and quite another to deal with the damage the locusts do.

"The injury is done by the females in laying eggs in twigs and small branches making slits that do not heal, these result in the ultimate death beyond the point of injury of every punctured branch less than half an inch in diameter and where there are many punctures on the trunks of small trees or on branches up to three-quarters of an inch, these are apt to be seriously damaged or killed.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet

FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

PEONIES

Best Cut Flower varieties grown.

First Prize White	.....	\$15.00 per 100
" " Pink	.....	9.00 per 100
" " Red	.....	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Mention the American Florist when writing

PÆONIA BARGAINS

\$45.00 per 1000; \$5.00 per 100.

Samples by mail, 10c each.

4-5 Eyes. Strong Division.

350 Andre Laud's. Deep pink, late.
400 Beaute Francaise. Large light rose.
450 Caroline Mather. Large rosy crimson.
1000 C. m. de Paris. Pink, free bloomer.
200 Delachei. Dark red, late.
1000 El-gons. Clear rose, fine.
350 Festiva Alba. White.
400 Fragrantissima. Clear rose.
200 Francis Ortegale. Deep maroon red.
100 Gladstone. Satiny pink.
550 Grand flora Superba. Free bloomer, pink.

250 Humel Rosea. Clear rose, very late.
50 Marie. White, very late.
500 J. officinalis fl. pl. Double crimson.
500 Pauline. Clear pink.
200 Reine Hortense. Light rose, late.
400 Ruoba Triumphans. Bright carmine.
350 Thorbecki. Deep red pink.
300 Zoe Calot. Dark red, midseason.
The above list is of choice double varieties, and true to name.

THE ELM CITY NURSERY COMPANY
New Haven, Connecticut.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiræas, Valleys.

Price List Free on Demand.

Eugene Pitou, Jr., CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

General Collection of Hardy Phlox

Aiblon (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Algae Adamson (Medium). Immense flowers, snow-white, with red eye.

Antoin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct aniline red eye.

Bridalmaid (Tall). White, with large crimson-carmine centre.

Belte Alliance (Medium). White, with large pure red eye.

Charles Seiler (Dwarf). Bright reddish violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d'Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre with an exceptionally large white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish violet, with large white halo.

Eclair (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Ungeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkönigin (Tall). Delicate pale rose mauve, with claret-red eye.

George A. Stronheim (Medium). Bright scarlet, with crimson-red eye; does not bleed.

General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

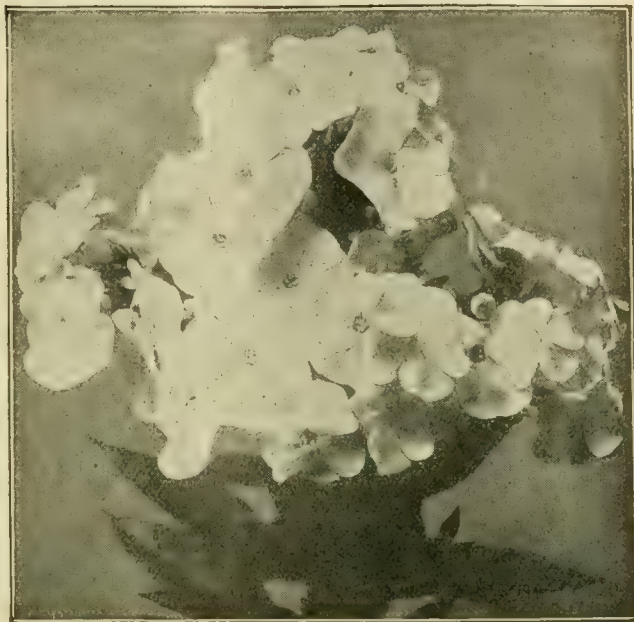
General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy

it will be mailed to you on application.



HARDY PHLOX.

Helena Vacaresco (Dwarf). Very large-flowering dwarf; white.

H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.

Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.

Henry Marcel (Medium). Pure red with very bright salmon shading.

Henry Royer (Medium). Tyrian rose, with lighter shadings; large flower, dwarf.

Jules Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.

Jeanne d'Arc (Tall). A good standard late white.

Louis Blanc (Tall). Reddish violet with purple shadings and darker eye.

La Vague (Medium). Pure mauve, with aniline-red eye.

Le Manji (Tall). Deep reddish violet, with darker eye.

La Foulra (Tall). Rich glowing French purple, shading crimson.

Louise Abbema (Dwarf). Very large dwarf, pure white of fine form.

Le Prophete (Dwarf). Bright violet-rose, large light halo and bright rose eye; fine.

Mme. Paul Dutrie (Tall). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large and borne in panicles of immense size.

Mozart (Tall). Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins (Tall). The best tall early white for massing.

Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.

Professor Virchow (Medium). Bright carmine, overlaid with orange scarlet.

Panthoea (Tall). Bright carmine rose.

Pecheur d'Islande (Tall). Crimson-red suffused with cochineal-red and carmine red eye.

Prosper Henri (Dwarf). Pure white, with large decided eye of rosy magenta.

Pacha (Dwarf). Deep rose pink, suffused with solerino-red and carmine-purple eye.

R. P. Struthers (Tall). Rosy carmine, with claret-red eye; fine.

Sunshine (Dwarf). Large aniline-red, with crimson-red eye and light halo.

Seima (Tall). Large flower, pale rose mauve, with claret-red eye.

Seibold (Tall). Bright vermilion-red, overlaid with orange scarlet; crimson-red eye.

Sar-bande (Medium). Reddish-violet, with lighter shadings.

Von Goethe (Tall). Tyrian rose, suffused with carmine-lake and carmine-red eye.

Von Hohenberg (Tall). The ideal crimson Phlox, the richest of its color.

Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.

Von Lassburg (Medium). The purest white in cultivation; individual flowers larger than any other white.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

Clematis Paniculata

25,000 Seedlings, 75 cents per 100.
I grow my own seeds, True to Name.

Samuel V. Smith,

3323 Goodman St., Philadelphia, Pa.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

Providence.

With the fall season now open, the people that were away for the summer months home, and the schools open, there is every indication of a prosperous business being done this fall and winter. At all the stores great cases of supplies, decorative and house plants are arriving and every place has the appearance of prosperity. There are a number of good orders booked for millinery and other openings, also a number of autumn weddings taking place now. The condition of the business is considerably better than a week ago and funeral work is a great deal better. The supply is about the same excepting asters, which were somewhat scarcer the first part of the week, owing to the heavy rains of the week previous. But at present there is a great plenty of a first class quality to supply all demands. There continues to be a great influx of outdoor flowers, such as dahlias, hydrangeas, clematis paniculata, cosmos, heliotrope, tuberose and cannas. Killarneys, My Maryland, Kaiserin, Richmonds, Brides and Bridesmaids roses continue to come in of a good quality and more than enough for the demand at present. This condition means low prices. Carnations continue to be very scarce, but the demand for them is not great, as there are so many other flowers to take their place. Orchids are very scarce at present. Gardenias are coming in only in small quantities but enough to supply the demand. Chrysanthemums are not a favorite while the weather is warm and those coming in are selling slowly. Violets of a poor quality are coming in and there is very little demand for them. Gladioli are much scarcer and sell for better prices. Some good sweet peas are coming in, owing to cool nights and so much moisture in the land from the recent heavy rains. There is a good supply of lily of the valley but it is not selling very well. Harrissii lilies are not over plentiful and are much sought for for large design work for funerals. Adiantum Asparagus and smilax are abundant and are moving slowly. The seed and supply stores report business good and at all of them all hands seem to be very busy. The indoor planting with all the growers is completed and everything is in ship-shape. A killing frost can be expected any night now.

NOTES.

O. H. Williams has finished housing his carnations. The plants are in excellent condition and he expects good results will ensue this coming season. He has also 10,000 chrysanthemums in fine condition, mostly grown to single stem flowers, which he will begin cutting soon. Great quantities of violets, bulbous stock, are grown here and there is a fine collection of palms, rubbers and ferns to be seen here also. Oak Grove Cemetery, Fall River, Mass., has built two new greenhouses 100x25 feet during the summer and there is still another of the same size under construction for the housing of large decorative plants.

John R. Perkins, Greene, R. I., has returned from a two weeks' trip to Milwaukee, where he attended the encampment of the Knights of Pythias. Edward Gaunier, an employee of John F. Wood, died last Saturday. Mr. Gaunier had been ill for a long time with Bright's disease.

The Melrose Gardens, Howard Pepper, proprietor, are making a fine showing of roses in bloom, as there are about 1,000 plants in flower at the present time.

Clinton Macomber, Taunton, Mass., has built a greenhouse 25x150 feet at his home on West Britannia street.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viaud, Castellane, Poitevine Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitmani Ferns 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinea Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates. Killarney, 3-in., \$5.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Cash with order. No C. O. D. All shipments at risk of purchasers after being delivered to the express companies properly packed in good order
GEO. M. EMMANS, Newton, N. J.

— SMITH'S —
Chrysanthemum Manual
4Cc, prepaid.
ELMER D. SMITH & CO., Adrian, Mich.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.
NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: Oncidium Varicosum Rogersii, O. Marshallianum, O. Forbesii, Laelia Purpurata L. Cinnabarina, Cattleya Citrina, Odontoglossum Grande.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids, Cattleyas

Dendrobiums, Laelias, Odontoglossums.

G. L. FREEMAN CO.
FALL RIVER, MASS.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias
Send for Price List.

Trade Directory

OF THE

United States and Canada.

Price \$3.00 Postpaid.

AMERICAN FLORIST CO., 324 Dearborn St. CHICAGO.

Decorative Plants

LAURUS CERASUS

Suitable for roof gardens and in front of hotels, etc. Price per pair, from \$4.00 to \$10.00. From \$6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra value for the money.

Aucuba Japonica, variegated, in pots. For hotels, etc.; fine, bushy plants, well furnished, from 35c to \$3.00 each; also plants for \$4.00, \$5.00, \$6.00 per dozen. Large plants in wooden tubs.
Abies Kosteri, in pots, \$1.50 and \$2.00 each.
Boxwood, perfect, globular, fine, 35c, 50c, 75c and \$1.00 each.
Rubbers, single and combinations, 8 to 9-in., from \$1.50 to \$4.00 each; 6-in., \$6.00 per doz.
Araucaria Excelsa, 2 to 2½ feet high, \$1.50 to \$2.50 each.
Araucaria glauca and robusta, \$1.25 to \$2.00 each.
Cibotium Schiedei, large plants, \$3.00 each; smaller, \$1.50 each. \$15.00 per doz.
Phoenix Roebelenii, young plants, 3-lach., \$2.00 and \$3.00 per doz.; larger plants, \$12.00, \$13.00 to \$24.00 per doz.
Pandanus Veitchii, 5½-in., \$1.00 each; 6-in., \$1.25; 7-in., \$1.50 and \$2.00; 8-in., \$3.00 each.
Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., \$12.00; from 15 to 24 inches high; larger, \$1.50; \$18.00 per doz.
Large Kentias, 11-in. tubs, 6 ft. high, \$11.00 each; larger plants up to \$20.00.
Raphis flabelliformis, 7 and 8-in. pots, \$3.00 to \$6.00 each.
Dracena fragrans, Dr. Lindenii, Dr. Massangeana, Dr. Gracilis, from \$1.00 to \$3.00 each.
Japanese Tiny Plants, in fancy crocks, \$5.00, \$6.00 and \$9.00 per doz.
Golden Leaf Privet, fine plants, 4½-in. pots, doz., \$2.00; 100, \$15.00; very fine.
Scholzei and Piersoni Ferns, well shaped, 8-in. to 9-in. azalea pots, \$1.50, \$2.00 and \$2.50 each. Plants very fine.
Boston, Whitmani and Scottii, from 7-in. pans, doz., \$4.00, \$5.00 and \$6.00.
Euonymus, variegated and green, 7 and 8-in. pots, nicely shaped, per pair, \$1.50, \$2.00.
Tradescantia hanging baskets, \$1.00 each.
Maranta Zebrina, 4 and 4½-in., fine plants, doz., \$3.00 and \$4.00.
Gardenia Veitchii, fine, bushy plants, from 5½-in. pots, well branched, the kind for planting out, \$15.00 per 100.
Pandanus Sanderi plants from 50c to \$2.00 each.
Chrysanth., for pot culture, from 6 and 7-in. pots, doz., \$6.00; 100 at \$45.00.
Variegated Aspidistra, \$1.50 and \$2.00 each. Plenty of leaves.
Dracena indivisa, from 6-in. pots, 24-in. and over, doz., \$3.00; 100, \$25.00.
Boston Ferns, 6-in. pots, \$6.00 a doz.; 6½-in. pots, \$9.00 a doz.; 7-in. pots, \$12.00 a doz. Very fine.
Small Kentia Belmoreana, 3½-in. pots, \$20.00 per 100; 5 to 5½-in. pots, combinations, doz., \$9.00, \$12.00 and \$15.00; fine.
Cocos Weddelliana, 3½-in. pots, \$15.00 per 100; 2½-in. pots, \$10.00 per 100.
Pandanus Utilis, 10-inch pots, \$3.00 each, four feet high, extra large, \$4.00 and \$5.00 each.
Crotons, 3x4-in. pots, \$3.00 and \$4.00 per dozen.
Phoenix canariensis, 5 to 10c a pair.

75c for each case and packing.
Cash with order.

ANTON SCHULTHEIS,

College Point, L. I., N. Y.

Mention the American Florist when writing

Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00
Chinese Primroses, 3½-in.	5.00	
Christmas Peppers, 2½-in.	2.50	
3-in.	5.00	

500 at 1000 rates. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in. pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Los Angeles, Calif.

The season has started well and retailers are all busy. There is every prospect of an extremely good time ahead and those who have good orders in hand are hustling around for stock. Good roses and carnations from indoors are not over plentiful, but outdoor flowers are in over-supply and consequently cheap. My Maryland is in very fair shape and Richmond especially good for the season. American Beauty is fair, but light in color, owing to the great heat of the past few days. A few chrysanthemums are in but are not much of a feature as yet. Good Boston ferns are scarce, but fair Whitmani can be had at moderate figures.

NOTES.

Although the date has not been decided, a meeting is in prospect to resuscitate the Florists' Club for the winter season and it is hoped that more interest than formerly will be taken in it. At the outing and barbecue at Wright's greenhouses some 70 or 80 pledged themselves to attend and do all they could to forward the interests of the club.

Wright's Flower Shop's new greenhouses, nine miles southwest of the city, in the San Pedro line, was the scene of a most enjoyable outing and barbecue September 10. About 100 attended at the invitation of the firm and were met in wagons at the cars and taken direct to the greenhouses. These form a compact, modern range and include four houses, each 27x300 feet, planted in May to roses exclusively. With the exception of a narrow sill the walls of the houses are entirely of glass, thus admitting all possible light and, as the beds are on the soil level, this is a decided advantage. The stock is in first rate order and good cut of Richmond and other varieties is being taken. Frank Spiekman, the grower here, came in for considerable congratulation on the excellence of his stock. The overhead system of steam heating is used and an ample water supply is secured from a well on the premises. A large lath house has also been built and is used for Asparagus plumosus and smilax.

After a look through the houses the cook pronounced the barbecue ready and all did full justice to it, the brisk ocean breeze and the ride having given all an excellent appetite. Tom Wright presided at the feast and worked hard to make all feel at home and happy and as there was a good supply of liquid refreshments of a kind suited to the occasion, he succeeded admirably, being ably seconded in his efforts by Wm. Werne the genial manager. Great enthusiasm prevailed at the baseball game, which, it was decided, resulted in a score of 13 to 23, the winning side being still in doubt. Tom Wright, Dave Wolfskill and Chas. Brazee of Wilmington pulled off some marvelous stunts in batting and catching and put the crowd in greatest good humor. A few brief speeches and hearty cheers and thanks for the gorgeous time shown brought a most enjoyable day to a close and the crowd again piled in to the wagons for the home journey, all declaring they had never spent a happier time.

Wm. Haerle is cutting a fair number of Cattleya Trianae from newly imported plants. C. labiata is coming along well and a good cut is expected on this shortly. His roses are in fine condition and he is busy potting a large consignment of Formosum lilies. Mr. Haerle is well satisfied with his orchids and intends to add another large house shortly, growing commercial cattleyas only for the present.

Charlie Morton is looking well, doing well, and has no intention of returning to Chicago. He says California is good enough for him.

H. R. R.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great **Araucaria** Importer, **Grower and Shipper**? These so well favored, everlasting green decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Excelsa Glauca**, are in favor more than ever this year.



This is our 25th anniversary since we began importing Araucarias. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in Araucarias and Azaleas. The trade is well informed that for many years past I go personally to Belgium to protect and elect for my customers the best of **Araucarias**, **Azaleas**, **Palms**, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants 5-5½-6-7 in. pots. 12-15 18-20-25-30 in. high. 3-4 5-6 tiers. 2-3-4-5 years old. 35c. 50c. 60c. 75c. \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, **Excelsa Glauca**, 6 in. pots. \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high. 4-5-6 years old. 75c. \$1.00 \$1.25. \$1.50. \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

Kentia Belmoreana, 25 30-35-40 in. high. 5-5½-6-7 in. pots. 5-6-7 years old. 50c. 75c. \$1.00, \$1.25. \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Cyclamen Grandiflorum, best strain, 4 in., 15c.

Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, pale pink. 4-in., 25c; 6-in., 50c.

Our Ferns this year are exceptionally very fine. **Boston**, **Scottii**, **Whitmani** and **Scholzeli**, 5½ and 6 in., 35c. 40 and 5c; 7-in., large bushy plants, 75c to \$1.00.

Pteris Wilsonii, in 6-in. pans. nice plants, 25c.

Neph. Todeoides, New London Fern, 2½-in., 5c; 3 in. 7c.

Special to Close Out: 4-in. **Whitmani** and **Scottii** Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Rubber Plants, 6-in. pots. 35c and 40c.

Asparagus Plumosus, 2½-in. 3c; 3-in., 5c; 4-in., 10c.

Asparagus Sprengeri, 2½-in., 3c.

Sago Palms, 6-7 8 in. pots. from 5 to 20 leaves. 10c per leaf.

Cocos Weddelliana, 3-in. pots. 15c. 18c and 20c.

Adiantum Hyb., 2½-in. pots. 5c; 3-in., 8c; and 4-in., 12c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Primula Chinensis, 4-in. pots. \$10.00 per 100.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 3½-in. pots. strong, \$5.00 per 100.

Hydrangea Otaksa, pot-grown, 6-in., 25c.

Azaleas, good, well-shaped plants, Deutsche Perle, Simon Mardner, Niobe, Van der Cruyssen, De Schryveriana 75c. \$1.00, \$1.25, \$1.50 and \$2.00.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Mention the American Florist when writing

Miscellaneous Plants

CYCLAMEN

Fine stock for immediate sales.

	Doz.	100
2-in.	50	
3-in.	7 00	
4-in.	2 00	15 00
2½-in. Boston, fine stock	4 50	
4 in.	\$2 00	15 00
5 in.	3 00	25 00
2½-in. Whitmani,	5 00	
4 in.	2 00	15 00
5 in.	3 00	25 00
2½-in. Amerpohli,	4 50	
2 in. Asparagus Sprengeri,	2 50	
3 in.	1 00	6 00

	Doz.	100
2 in. Assorted Ferns, dishes ...		\$3 00
4 in. Celestial Peppers,		7 00
4 in. Jerusalem Cherries,		7 00
2½-in. Cocos Weddelliana	\$2 00	15 00

	Each	Doz.
4 in. Araucaria Excelsa, 2-3 tiers ..	\$ 50	\$6 00

	Each	Doz.
6 in. Araucaria Glauca, 3-4 tiers ..	1 75	

	Each	Doz.
6 in. Araucaria Compacta, 3-4 tiers ..	1 75	

	Each	Doz.
Kentia Belmoreana, 6-in. pot, 5-6 leaves	\$1 25	
4 in. pot	35	
2½-in. pot	per 100, \$35.00	
	per 100, 10.00	

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill

Mention the American Florist when writing

POINSETTIA PULCHERRIMA PLENISSIMA.

The Double Poinsettia. Good stock from 3-inch pots (raised from root cuttings) \$15.00 per 100; 25c each. If you grow poinsettias, you want this. Stock limited. Send your order right away. No orders filled after October 1.

Nephrolepis Smithii. The Washington Lace Fern. This is a sport from Whitmani raised at the U. S. Botanic Garden by Wm. R. Smith; the formation of the frond is like Amerpohlii, but dwarf and compact; it is the ideal fern for jardiniere work, possessing all the necessary qualifications. Beauty, grace, form and durability. It is a quick producer and a 1000 can be raised from a 100 between now and Christmas. Extra nice, bushy stock from 3-inch pots, 25c each; \$15.00 per 100.

William S. Clark, 1270 Bladensburg Road, WASHINGTON, D. C.

Grafted Pink Killarney

500 3½-inch Grafted Pink Killarney
at 10 cents each.

POEHLMANN BROS. CO.,
MORTON GROVE, ILL.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Toronto.

STOCK IMPROVING.

Summer business has been the best for many years past and at present there is a good demand for bloom of all description, roses have again reached that stage when you are not ashamed to offer them and with good Golden Glow and Fittsgram chrysanthemums, fairly good carnations, valley, lilies, orchids and a host of outdoor flowers there is plenty of variety. In roses American Beauties are attaining length of stem and good flowers, Richmond are better colored and Killarney, Maids and Brides are all showing great improvement in quality, so much so that the prices have advanced to \$8.00 per 100. Carnations are not plentiful enough to fill orders, but the quality is good for the early season.

The Canadian Industrial Fair now on has helped considerably, especially to those who loan palms, and H. G. Dille-muth had the grain decoration for the Grand Trunk, Pacific and Canadian Northern Railways, many compliments were received, but modesty forbids of further eloquence. The large groups of palms and foliage plants were again the feature of admiration in the Horticultural building and, it is doubtful if better arrangement can be seen at any of the exhibitions, a comment often heard from many of the visiting florists, the quality is most excellent and all details are carried out to a nicety. Geo. Robinson, of Montreal, was judge and his position was no sinecure, but after careful consideration and scoring, Thos. McVittie, gardener for Sir Henry Pellatt, was first; E. A. Collins, of Allan Gardens, second, and Thos. Manton, third. In the made up work, Judge S. A. Anderson, of Buffalo, had an easy time of it, as the entries were the smallest for years, the first and second prize money mostly going to Thos. Manton and S. A. Frost. It appears that the showing days for the retailers are past, as most of them fail to see where the advantage lies.

NOTES.

W. W. Tattle, of Deer Park, has planted his two lately constructed houses with Chrysanthemums, their vigorous growth and well set buds give promise of fine blooms, his specialty, which are dahlias, are in no way neglected, and he is sending them in by the wagon load.

J. H. Dunlop has completed his planting for this year and the roses and carnations look fine and are decidedly ahead of former seasons. Mrs. Jardine proved so great a favorite that two benches are now devoted to this variety.

E. Crowhurst, of Humber Bay, is cutting thousands of his seedling white dahlia. This is truly a remarkable variety of the show type, and its large size makes it desirable for funeral work and decorations.

Pansy Plants Primroses

	Per 1000	Per 100
Giant Flowering, Sept. 20.....	\$2 60	\$0 50
Asp. Sprengerl, 2½ in. pots.....		2 00
Narcissus Paper White.....		1 50

—Cash.

	Per 1000	Per 100
Chinese, 2½ in. pot.....	\$15 00	\$1 75
Forbesi.....	15 00	1 75
Obc. Alba and Rosea.....		2 00
Obc. Gigantea.....		3 00

JOS. H. CUNNINGHAM, Delaware, O.

FERNS FROM BENCH

Boston, Elegantissima, for 3-inch, 6c; 4-inch, 10c; 5-inch 12½c.

Whitmani, for 3-, 4- and 5-inch, 8c, 12c and 15c.

Amerpohli, 3-inch, 8c; 4-inch, 12c.

Scotti, for 3-inch, 6c; 4-inch, 10c

Runners, Boston, Elegantissum, Scotti, \$1.00 per 100. Whitmani, Amerpohli, \$1.50 per 100.

Snapdragon, Giant White, Pink, Yellow and Red, field-grown, \$1.00 per 100.

Rubbers, 4-in. 20c. 5-in., 30c.

Asparagus Sprengerl, 2-in., 2c.

Double Alyssum, 2-in. \$2.00 per 100.

PRIMROSES

All 2-in. fine stock.

Obconica Alba, Lilac, Rubra, Hybrida and Rosea, \$2.00 per 100

Carminea, Kewensis, Sanguinea, \$3.00 per 100

Cash with order.

BYER BROS.
Chambersburg, Pa.

—NEW CARNATION—

"CHRISTMAS CHEER"

THE HIT OF THE SEASON.

\$15.00 per 100; \$125.00 per 1000. January delivery.

Get your order in early

HENRY EICHHOLZ, Waynesboro, Pa.

ASPARAGUS

Per 100
Asparagus Comorensis, 1-yr.-old clumps.....\$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
Fine stock for dividing up.

GEO. REINBERG,
35 Randolph Street, CHICAGO.

Good Plant Stock For Sale

5000 American Beauties, at..... 8c
2000 Maids, at..... 5c
300 Gardenias, extra fine .. 15c
All plants in 4-in. pots.

Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

R. Jennings, of Brampton, is again shipping quantities of Mums and Carnations, while Mums may burn and carnations may rust with other growers. Jennings can always produce the goods.

Grobba and Wandrey had the decorations for the Simpson department store and have received considerable praise from the dailies. Mrs. Karl Grobba has returned from her trip abroad.

J. A. Simmers had a good bed of Countess of Lonsdale dahlia, whose freedom of bloom and pleasing color won first prize.

Miller and Sons have their place in fine shape and a bench of Golden Glow is quickly being cut down. H. G. D.

TRADE LIST

CLEMATIS paniculata, strong plants, \$10.00 per 100.

ASPARAGUS Sprengerl, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.

BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.

STEVIA dwarf, 4½ in. pots, \$1.00 per doz.

CROTONS, from 4-in. pots, \$2.00 per doz.; 3-in. pots, \$1.50 per doz.

AMPELOPSIS Veitchii, 4-in. pots, \$10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.

RUBBER PLANTS, 5-in. pots, 25c each; 6-in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½ in. pots, \$3.00 per 100.

BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.

DAISIES, white and yellow, 2½ in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

WE still have about 5,000 or 6,000 Rose Plants which we will close out very cheap. We also have about 1000 Carnations, as per our adv. of last week. We have the largest stock of Ferns in Central Illinois, in Whitmani and Boston. Let us hear from you in regard to them. Celestial Peppers and Jerusalem Cherries, in 3-inch, ready for 4-inch, a great bargain. Get what you want now. We also have a fine line of Primroses, Obconica and Chinese, etc.

Let us hear from you.
GEO. A. KUBL, Wholesale Grower, Pekin, Ill.
Mention the American Florist when writing

Carnations

125 Bountiful, 200 Carnegie, \$4.00 per 100. Fine plants. Will exchange for Princess of Wales Violet Plants.

A. G. PRINCE, Iowa City, Ia.

Greenhouse Construction

By Prof. L. R. Taft.

Price \$1.50

AMERICAN FLORIST CO.

324 Dearborn St.,

Chicago.

Seasonable Plants

Order Now Before Freezing Weather Sets In.

	Each	Dozen	100	1000
Asparagus Plumosus Nanus, 2 in			\$ 3 00	\$25 00
2½ in			4 50	40 00
Araucaria Excelsa Glauca,				
5 in. pots. 10 to 12 in. high. 2 to 3 whorls....	\$ 75	\$ 8 00		
6 in. pots. 14 to 19 in. high. 3 whorls.....	1 25	14 00		
6 in. pots. 16 to 18 in. high. 4 whorls.....	1 50	17 00		
Araucaria Robusta Compacta,				
6 in. pots. 12 in. high. 3 to 4 whorls.....	1 25	14 00		
6 in. pots. 14 to 16 in. high. 4 whorls.....	2 00	22 00		
7 in. pots. 18 to 20 in. high. 4 to 5 whorls....	3 00	34 00		
Bay Trees, Standard or Tree Shaped				
Stem about 45-48 in.; Crown 26 in.....	7 50			
" " 46-50 in.; " 28 in.....	8 00			
" " 45-48 in.; " 30 in.....	10 00			
" " 46-54 in.; " 34 in.....	12 00			
" " 46-53 in.; " 40 in.....	15 00			
Begonia Gloire de Lorraine,				
2½ in.....		2 00	15 00	
3 in.....		3 50	25 00	
4 in.....		5 00	40 00	
Box Trees, Bush shaped. These do not come in	bs.			
10 to 12 in. high.....	30	3 00	20 00	
12 to 15 in. high.....	35	3 50	25 00	
15 to 18 in. high, light.....	40	4 00	30 00	
15 to 18 in. high, heavy.....	45	4 50	35 00	
18 to 20 in. high.....	75	8 00		
Chrysanthemums,				
7 in.....	1 50	12 00		
8 in.....	2 50	20 00		
Larger plants in 10 and 12 in. Write for prices.				
	Each	Doz.	100	1000
Crotons,				
7 in.....	\$1 50	\$15 00		
8 in.....	2 00	18 00		
Cycas, Started.....	\$1 00-3 00			
Cyclamen,				
2½ in.....		\$ 4 00		
3 in.....		8 00		
Dracena Indivisa, 4 in.....	2 00	12 00		
Ferns, Assorted for dishes				
2½ in. (Our selection).....		3 50	25 00	



ASPARAGUS PLUMOSUS NANUS.

	Each	Doz.	100	1000
Ficus Pandurata,				
24 in. high.....	1 50			
30 in. high.....	2 00			
36 in. high.....	2 50			
48 in. high.....	3 50			
Manetti, Dec. and Jan. delivery.				
English.....			\$ 1 50	\$12 00
French.....			1 75	13 50
Peppers, Christmas. 4 in.....		\$1 25	10 00	
Phoenix Robeleni,				
4 in.....	\$ 75	8 00		
5 in.....	1 25	14 00		
6 in.....	2 00			
7 in.....	2 50			

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

VIOLETS

	Per 100	Per 1000
Gov. Herrick, Princess of Wales, fine		
field-grown plants.....	\$5 00	\$45 00
Lady Campbell.....	4 00	35 00
Primulas, Chinese and Obconica, Cin-		
eraria (dwarf), Double Alyssum		
and Asp. Sprengeri.		
2½ in.....	\$2.00 per 100;	300 for \$5.00
Celery and Cabbage Plants.		
Best varieties.....	\$1.00 per 1000;	\$7.50 for 10,000
Parsley, double curled.....	\$1.50 per 1000	
J. G. SCHMIDT, Bristol, Pa.		

Field-Grown Carnations

	Per 100	Per 1000
White Perfection.....	\$5 00	\$50 00
Sarah Hill.....	6 00	50 00
White Enchantress.....	6 00	50 00
Pink Lawson.....	5 00	40 00
Variegated Lawson.....	5 00	40 00
Lawson-Enchantress.....	5 00	40 00
W. H. Taft.....	5 00	40 00
Enchantress.....	5 00	45 00
Victory, small.....	4 00	35 00

SCHEIDEN & SCHOOS,
Asbury and Warren Sts., EVANSTON, ILL.

CARNATION PLANTS FIELD GROWN

Scarlet Glow.....	\$12.00 per 100
Shasta.....	12 00 per 100
Golden Ray, clear yellow....	12 00 per 100

F. DORNER & SONS CO.
La Fayette, Ind.

Always mention The American Florist
when you order stock. :::

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

A New Fern NEPHROLEPIS GIATRASII

Awarded a Certificate of
Merit by the Horticultural
Society of New York.

Prices: In 2½-in. pots, \$2.00 per
dozen; \$12.00 per 100; \$100.00 per 1000.
25 plants at 100 rates; 250 plants at 1000
rates. Orders delivered in rotation as
received. Now Ready for delivery.

GEORGE GIATRAS,
463 Summit Ave., West Hoboken, N. J.

American Beauties.....

Fine 2½ in. 85c per doz. \$6.00 per 100;
\$50.00 per 1000.

Full line of H. P's. M. Niel, etc.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good
as the Best.

S. A. Nutt. \$11.50 per 1000.

Poitevine. 14.00 per 1000.

Ricard. 14.00 Per 1000.

Grown right. Rooted right.

Packed right. Named right.

All sold until November. Better
get your order placed for Novem-
ber delivery.

Coleus. Extraordinary fine col-
lection by the 100,000
in season, can furnish them now
on short notice,

A. M. HERR,
LANCASTER, PA.

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Araucaria excelsa, 5-in., 50c each. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Araucarias, Anton Schultheis, College Point, L. I.

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Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Sprengeri, 2½-in., 2c; 3-in., 4c; fine 4-in. stock ready for benching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

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Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

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Asparagus plumosus, fine stock, 3-in., \$4 per 100; Sprengeri, fine stock 3-in., \$3.50 per 100. John A. Keller, Lexington, Ky.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengeri, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2-in., extra-strong, 2c; \$17.50 per 1,000. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Araucarias, McHutchison & Co., 17 Murray St., New York.

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Aucuba Japonica, 35c to \$3 each; also plants, \$4 to \$6 per doz. Anton Schultheis, College Point, L. I.

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Azaleas, Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Gloire de Lorraine, 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$3.50 per doz.; \$25 per 100; 4-in., \$5 per doz., \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, and Lonsdale, 4-in., 25c; 6-in., 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Begonia Glory of Cincinnati. J. A. Peter-son, Westwood, Cincinnati, O.

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Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood, McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, Narcissus Paper White grandis, Star brand, 1,000 to case, \$11 per 1,000; fancy grade, 1,250 to case, \$9 per 1,000. Roman hyacinths, 1½-12 cm., \$19 per 1,000. Lilium Formosum, 7-9, 300 to case, \$70 per 1,000; 9-10, 200 to case, \$90 per 1,000; 10-11, 120 to case, \$100 per 1,000. Harrisii, 5-7, \$40 per 1,000; 6-7, \$60; 7-9, \$85. Chinese lilies, select, \$3.50 per 100; mammoth, \$6. Vaughan's Seed Store, Chicago and New York.

Bulbs, Paper White Grandis, \$8 per 1,000. Empress, Dbl. von Sion or Princeps, \$10. Empress, \$12. Stella, Fggaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Callas, 1 to 1¼-in., \$3 per 100; \$25 per 1,000. Berrydale Exp. Gardens, Holland, Mich.

Bulbs, Japanese lilies, Formosum, Gigantium, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Lilium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds, 76 Barclay St., New York.

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Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

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Medium Sized Plants.		
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Pink Lawson	6.00	50.00
Winsor	5.00	45.00

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Aristocrat	4.00	35.00

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Nelson		4.00

Cash with order.

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Carnations, Scarlet Glow, Shasta, Sangamo, Mary Tolman, Conquest, \$12 per 100; 2nd size, \$8 per 100. Vaughan's Greenhouses, Western Springs, Ill.

3,000 Queen Louise, strong, clean and healthy plants, \$4 per 100; \$35 per 1,000. Cole Bros., Peoria, Ill.

Carnations, Lady Bountiful, \$4 per 100; \$40 per 1,000. Alfred Hannah & Sons, Grand Rapids, Mich.

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Carnation, Christmas Cheer, \$15 per 100; \$125 per 1,000. Henry Eichholz, Waynesboro, Pa.

Carnation, 800 Apple Blossom, \$6 per 100. Bard & Davis, Syracuse, N. Y.

Carnations, Rountiful, Carnegie, \$4 per 100. A. G. Prince, Iowa City, Ia.

Carnations, F. Dorner & Sons Co., Lafayette, Ind.

Carnations, Wood Bros., Fishkill, N. Y.

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THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Tousey, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C. \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, 7-in., \$1.50 each; \$12 per doz.; 8-in., \$2.50 each; \$20 per doz. Larger plants, 10 and 12-inch. Vaughan's Seed Store, Chicago and New York.

CHRYSANTHEMUMS, bardy, fine pink, yellow, red, field-grown, \$3.50 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Chrysanthemum, Jennie Nonin, fine 2½-inch, \$2 per 100; \$15 per 1,000. Geny Bros., 712 Church St., Nashville, Tenn.

Chrysanthemums, Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

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If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Clematis paniculata, \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Coleus Brilliance, 3-in., \$1 per doz.; \$4 per 100. Golden Beider, Verschaffeltii, etc., 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, assorted varieties including Verschaffeltii, 2½-in., 2c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, 7-in., \$1.50 each; \$15 per doz.; 8-in., \$2 each; \$18 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 3x4 in., \$3 to \$4 per doz. Anton Schultze, College Point, L. I.

Crotons, 4-in., \$2 per doz.; 3-in., \$1.50. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; 87 per 100; 4-in., \$2 per doz., \$15 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, finest giant strain, good stocky plants, 7 colors, mixed, 3-in., 7½c. J. L. Schiller, Toledo, O.

Cyclamen, 2½-in., \$4 per 100; 3-in., \$8. Vaughan's Seed Store, Chicago and New York.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CINERARIAS.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

DRACENAS.

Dracæna indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracæna indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, from \$1 to \$3 each. Anton Schultze, College Point, L. I.

Dracæna Massangeana and Lindenii, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

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Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

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Adiantum pedatum (maidenhair), Asplenium Felix-famina (lady fern), Onoclea sensibilis, Onoclea struthiopteris (ostrich fern), Osmunda cinnamomea (cinnamon fern), Osmunda Claytoniana (interrupted fern), Pteris aquilina (brake fern). Sample specimens, 10c each. Write for prices on stated quantities.

Ludwig Mosbæk, Askov, Minn.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Ferns for dishes, asst., 2-in., \$3 per 100. Amerpohl, 2½-in., \$4.50 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Ferns, Boston, 4-in., \$1.50 per doz., 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ferns from benches, Boston, Elegantissima, 3-in., 6c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scottii, 3-in., 6c; 4-in., 10c. Runners, Boston, Elegantissima, Scottii, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantissima, 3-in., 10c; 2½-in., 5c. Pierson and Elegantissima, 4-in., 15c each. Ferns from bench, Boston, Pierson, Whitman and Elegantissima, ready for 6 to 10-in. pots, 40c to \$1 each. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., \$3 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, assorted for dishes, 2½-in., (our selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Nephrolepis Smithii, 3-in., 25c each; \$15 per 100. William S. Clark, 1270 Bladensburg Rd., Washington, D. C.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Anton Schultze, College Point, L. I.

Ferns, Whitman, 4-in., 25c; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Neph. Glazraii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glazra, 463 Summit Ave., West Hoboken, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Costelline, Poitevine Joulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Salleron, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, leading varieties. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

GERANIUMS, 10,000 Beaute Poitevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly, T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

IRIS GERMANICA Honorabilis, Atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Virgils, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotrope, 2½-in., \$2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope Cendefeur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy, field-grown plants, \$8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Jerusalem cherries, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

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Lilacs. Jacs Smits, Ltd., Naarden, Holland.

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To Import.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MANETTI.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

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Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, snade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gertsch & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

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Pansies, open frame grown, stocky plants. TRIMARDEAU, mixed, 50c per 100, \$3.00 per 1,000; GOLD MEDAL, mixed, 50c per 100, \$4.00 per 1,000. J. L. Schiller, Toledo, O.

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Pansies, giants, Masterpiece, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

500,000 Brown's Improved Giant Prize Fangles, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Pulms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Phoenix Robeleni, 4-in., 75c each; \$8 per doz.; 5-in., \$1.25 each; \$14 per doz.; 6-in., \$2 each; 7-in., \$2.50 each. Vaughan's Seed Store, Chicago and New York.

PALMS, Kentia Bel., 18 to 20 inch, heavy, \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Robeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms, For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Kentias, McHutchison Co., 17 Murray St., New York.

Palms, Kentias, Joseph Heacock Co., Wyncote, Pa.

Cycas, \$1 to \$3 each. Vaughan's Seed Store, Chicago and New York.

Palms, John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, 5½-in., \$1 each; 6-in., \$1.25; 7-in., \$1.50; 8-in., \$3. Anton Schultheis, College Point, L. I.

Pandanus Veitchii, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

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Peonies, Very reduced prices for large plants of all the best French varieties. List free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, For varieties and prices see advertisement elsewhere in this issue. The Elm City Nursery Co., New Haven, Conn.

Peonies, McHutchison & Co., 17 Murray St., New York.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacobs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

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Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechslein, 4911 Quincy St., Chicago.

Celestial peppers, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

POINSETTIAS.

Poinsettia (double), 3-in., 25c each; \$15 per 100. William S. Clark, 1270 Bladensburg Road, Washington, D. C.

PRIMULAS.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and gigantia in 10 selected var., good value, \$3 per 100; 500 or more \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken, P. O., N. J.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Primroses, Chinese and Forbesi, 2½-in., \$1.75 per 100; \$15 per 1,000. Obconica, alba, rosea, \$2 per 100. Ob. Gigantia, \$3. Jos. H. Cunningham, Delaware, O.

Primula obconica, giant flowering, 4-in., ready for 6-in. pans, fine, 15c each. John A. Keller, Lexington, Ky.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinesis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, McHutchison & Co., 17 Murray St., New York.

Rhododendrons, Jacobs Smits, Ltd., Naarden, Holland.

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Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$5.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

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ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chatenay, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses, 300 Brides, 200 Maids, strong 4-in. stock, \$5 per 100; lot for \$18 cash. John A. Keller, Lexington, Ky.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, White Killarney, \$50 per 1,000. Pink Killarney, \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, McHutchison & Co., 17 Murray St., New York.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, grafted Pink Killarney, 3½-in., 10c. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leadle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

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Seeds, cyclamen: Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, Vaughan's giant-flowered cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Phoenix Roebeleni. Sander T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seed, crimson clover. J. Bolgiano & Son, Baltimore, Md.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

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Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

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Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax, Wood Bros., Fishkill, N. Y.

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Snapdragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Moshæk Greenhouse Co., Onarga, Ill.

SPIREAS.

Spireas, J. Smits, Ltd., Naarden, Holland.

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Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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Vegetable plants. Cabbage; Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

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Vinca variegata, field-grown, cut back early August, now branching freely, 6c. J. L. Schiller, Toledo, O.

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Violets, Princess of Wales, strong, out of 3½-in. pots, \$3.50 per 100; 2½-in., good, \$2.50 per 100. John A. Keller, Lexington, Ky.

Violets, Marie Louise, good, clean, healthy plants, 2½-in., \$2.50 per 100; \$20 per 1,000. Cash with order. Lampert Floral Co., Xenia, O.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

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Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Fromont, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Henshaw & Fenrich, 51 W. 28th St., New York.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

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 Kuehn, C. A., 1122 Pine St., St. Louis.
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 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 28th St., New York.
 Moore, Hents & Nash, 55 W. 26th St., New York.
 Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
 Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L., Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 N. 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sherdian, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendly & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Welland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

GROWERS.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.
 Wittbold, Geo., 739 Buckingham Pl., Chicago.

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 Anderson, S. C.—The Anderson Floral Co., 553 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Penn. the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 Montreal—McKenna.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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 St. Louis—F. H. Weber, Boyle and Maryland Aves.
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 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heini & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
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 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moulner-Barman, 200 sizes and styles, John C. Moulner Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1304 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers, S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes, Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses, Giblin & Co., Utica, N. Y.
 Boilers, Lord & Burnham Co., Irvington, N. Y.
 Boilers, Hitchings & Co., Elizabeth, N. J.
 Gem City Return Tubular Firebox boilers, The Gem City Boiler Co., Dayton, O.

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Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
 Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames, Lord & Burnham Co., 1133 Broadway, New York.
 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.
 Building material, Louisiana cypress, pecky cypress, hotbed sash, S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.
 Building material, cold frames, hotbed sash, Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.
 Coal, West Virginia, Ohio, Indiana, Illinois, Cove-Durham Coal Co., 215 Dearborn St., Chicago.
 Coal, the better grades of Indiana and Illinois. Harrisburg-Franklin Coal Co., Fisher Bldg., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
 Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 18c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.
 Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.
 Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses, Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' Improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Alphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDowell, Mexico City, Mex.

MISCELLANEOUS.

Meyer green silkline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Gold fish. For prices see advertisement elsewhere in this issue. The Auburndale Goldfish Co., 920 W. Randolph St., Chicago.

New Imported Florists' Baskets. The Radelein Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igce Bros., 266 N. 9th St., Brooklyn, N. Y.

Muller's double improved carnation support. O. A. Muller, Ambler, Pa.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Florists' tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Richmond carnation supports. Eagle Machine Works, Richmond, Ind.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

The L and B Page



Glazing Nails

They are zinc $\frac{5}{8}$ of an inch long, and are the kind we have been using for years in glazing our houses. Easy to drive, are strong and stay driven. Listed at 33c per pound. Also have steel staples if you want them. No. 2½ are listed at \$1.00 per 1,000. Send for discounts.



White Lead

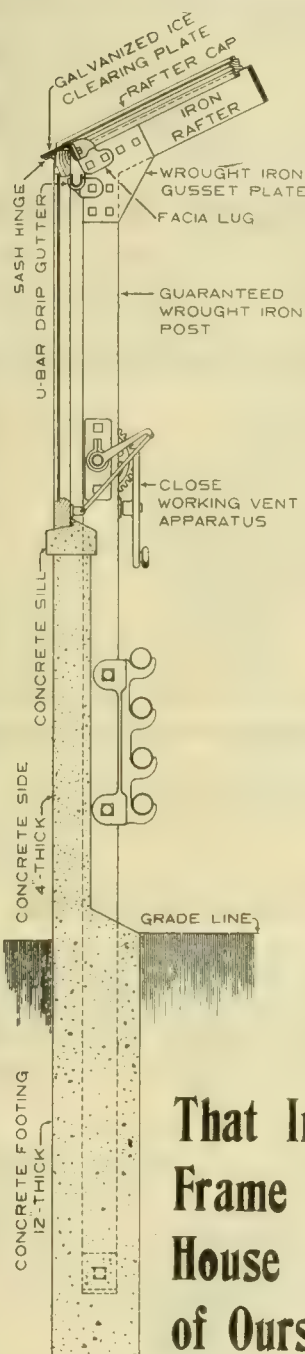
This is the real Greenhouse White Lead. By real, we mean that like the Burnham Boiler, it is made especially for greenhouse use. It goes farther than other leads, is freest from mildew and cracks. Costs 7½c a pound in small lots and is worth every cent it costs.



Stay Put Putty

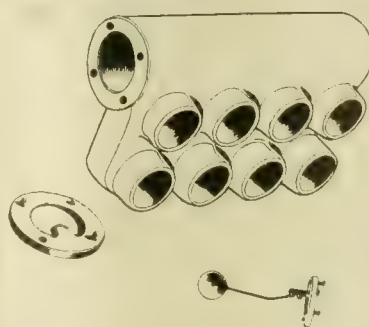
Not just putty—any old putty—but a stay put greenhouse putty made by greenhouse people for greenhouse work. Not an ounce of anything but white lead and

pure linseed oil in it, and the proportions are right and its mixed right—and there is much very much in the mixing. 100 lb. tub like this costs \$3.35 F. O. B. Irvington. Money back if not "up to specification."



That Iron Frame House of Ours

This illustration shows the way our wider houses are built, such as have recently been put up by Henry Hession, Flatbush, N. Y., P. M. Pierson, Briarcliff, N. Y., E. H. Kroninger, Allentown, Pa., and so on. When you get right down to the last analysis it is far and away ahead of any other house built any other way. It has strength, lightness and a proven durability all in its favor. It is the surely safe construction for wide houses.



Automatic Headers

The kind that takes air vent worries off your mind. It does the trick whether you are looking or not, and does it day after day and year after year. Construction is simple—nothing to get out of order or wear out quickly. Made for 2 inch wrought pipe or 3½-inch cast iron. Look them up in the Handy Hand Book.

Roller Bearers for Concrete Benches



No. 1092.

Don't scratch your head over how you are going to support the pipes on your concrete benches or beds. Send for our Supplement No. 1 to the 1910 Handy Hand Book, and it will solve the worries in a jiffy.

Concrete Bench Hangers



No. 1091 is for one line of 1½ in. pipe



No. 1090 for carrying a double line of 2 in. pipes.

Lord and Burnham Co.,

Irvington,
N. Y.

New York,
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia,
Heed Bldg.

Chicago,
The Rookery.

To Nurserymen and Seedsmen



The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Refrigerators Designed by Experts.

The McCray Refrigerator Co., Kendallville, Ind., has just completed one of the largest and handsomest Florist's Refrigerators ever made, built for the West View Floral Co., of Atlanta, Ga. This refrigerator is of peculiar shape, owing to the limitations of the space which it will fill. There is not a square corner in it. The front is 24 feet wide and the rear 26 feet. The ends are three feet and 6½ feet respectively and it is 10 feet high. The outside is white enamel, with drawers in front for mosses, ferns, etc. The floor is of tile; the back is mirrored and it is fitted with wire shelves. The cost was \$1,800. It is not only a unique refrigerator, but one that will make a beautiful display.

Semi-Annual Nitrate of Soda Review.

The fertilizer trade, both in Europe and the United States, has continued to expand. Nitrate of soda has been specially favored, and has shown an increase in deliveries from the ports of importation, as compared with the first six months of 1909, of about 25 per cent. for the world, or 18 per cent. for Europe and Egypt, 62 per cent. for the United States, and 40 per cent. for other countries. The average value has ruled about 1 shilling per hundred-weight lower than last year. The production of atmospheric nitrogen has made little progress as a competitor to nitrate of soda.

The half year's deliveries from direct imports reach about 78,000 tons from United Kingdom ports, 1,183,000 tons from continental ports, 290,000 tons from United States ports, and 42,000 tons from direct imports into other consuming countries, or a total of about 1,593,000 tons. Stocks at date are estimated at about 18,000 tons in the United Kingdom, 121,000 tons in continental ports, and 15,000 tons in the United States and other

King Greenhouses

Stand the test of wind and storm as well as of time. They are designed to do it. Taking into account all the conditions.

When a man knows his greenhouses will stand he is at liberty to put all his time and thought to growing things, and that is what he wants to do. Write for our Bulletins.

King Construction Co.,

NORTH TONAWANDA, N. Y.

Mention the American Florist when writing



PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets etc. to sole makers.

Also Exporters of **Pure Scotch Soot** Write for prices, etc.
Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenstone, Scotland.

Mention the American Florist when writing

You get the best, at a reasonable price, when you order material of our

Louisiana Red Cypress

— PLANS AND ESTIMATES FREE. —

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings. Glass, Ventilating Machinery, Hotbed Sash, Pecky Cypress.

The Foley Manufacturing Co., Western Ave. and 26th St., CHICAGO.

Sheep's Head Brand Pulverized Sheep Manure



The Ideal Plant Food for Florists.

Write today for Prices and Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.
Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
60000 RICHMOND, IND.



SHOW HOUSES

Have one. Keep it filled with your best plants. It shows to best advantage what you can do. Gives the owner continual pleasure. Be sure we build it. Write to us for estimate when you are ready.

Hitchings and Company, 1170 Broadway New York

— HIGH GRADE — STEAM COAL

THE BEST PRODUCTS OF

West Virginia, Ohio,
Indiana, Illinois

WRITE FOR PRICES.

Covey-Durham Coal Co.,

215 Dearborn St., CHICAGO.


ports, and 268,000 tons afloat for Europe and 75,000 tons for the United States and other countries.

The deliveries last year, July to December, reached, in Europe and Egypt, 412,000 tons, and in the United States and other countries 256,000 tons, against 365,000 tons and 198,000 tons, respectively, for the six months ending December 31, 1908.

The total production for the twelve months ending June 30, 1910, which is generally regarded as a fair gauge of the maximum that existing oficinas can produce under free production at the present level of price, reached about 53,000,000 quintals, against 41,000,000 for the previous 12 months. Shipments during the same period reached about 50,500,000 quintals, against 40,250,000 quintals, and consumption, including losses and loss in weight, about 50,500,000 quintals, against 40,750,000 quintals for the year ending June 30, 1909. New oficinas in course of construction or projected are few, and an important increase in production from this source during the next 12 months is not looked for.

Private endeavors for the formation of a new combination have from time to time been started, but the general belief now is that no combination on anything approaching the lines of the last is at all probable, nor likely to prove beneficial to the interests of the majority of producers. In view, however, of the big expansion in the consumption of nitrate during the last 12 months, and the hope that under favorable conditions a sufficient increase may take place during the next 12 months to dispose of nearly all that is produced, the feeling is gaining ground that if some scheme, by which 5 or 10 per cent. of each in-

THE KROESCHELL BOILER

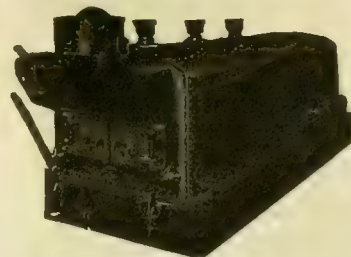
is the only perfect
HOT WATER BOILER. 

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.

452 W. Erie St. CHICAGO



The Grate Does It!



Saves 10 to 25% of the coal your boiler is using.

Positive guarantee given

Send for circular "N" and our famous Lecture on Combustion.

U. S. ROCKING GRATE BAR CO.,

77 Jackson Boulevard,

CHICAGO.

HARRISBURG-FRANKLIN COAL CO.

Fisher Building, CHICAGO.

The Better Grades Only of

INDIANA AND ILLINOIS COALS

Preparation and Quality as They Should Be.

dividual's production could be centralized in one hand and held off the market for a minimum price of about 7s 6d per quintal, it would benefit producers by enabling them to get a

more satisfactory price for their free production and at the same time prevent prices from being sufficiently inflated as to damage consumption. The increased consumption in the United

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

THE STANDARD VENTILATING MACHINERY



The original machine with self-rolling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

States is understood to have been largely for fertilizing purposes, and the belief is held that the demand, now started from that source, is likely to continue increasing. It is therefore probable that the increased shipments will be more marked during the late autumn and early spring months, to suit the early spring consuming period.

Freights have fluctuated between 15s and 18s 6d per ton for sailing vessels, and 14s and 20s per ton for steam tonnage, closing at about 18s and 14s 6d per ton, respectively. Exchange was about 11½d at the beginning of the year, declined to 10 9-16d at end of January, rose to 11½d about middle of June, and closes at about 11½d. The labor outlook continues satisfactory, although many oficinas complain of an insufficiency of workmen, which may become more accentuated when the new Chilian railways projected are being built. The cost of production to some of the better-placed oficinas has been further reduced, but in many of the smaller oficinas costs are still unsatisfactorily high.—From Report of Thomas Aikman, Jr., London.

Davenport, Ia.

BUSINESS VERY BRISK.

The past two weeks found the business quite brisk, caused by an unusually large number of funerals. On account of the hot weather and dry season stock has been very scarce and suffered badly. Out door asters were a failure with most of the growers and are about done. Some fine Dahlias are now coming in, as are Yellow Mums, but there is no call whatsoever for the Mums, and very few if any will be grown again. Cool weather the past weeks has greatly improved roses and carnations, and some real nice ones are now finding their way to market.

NOTES.

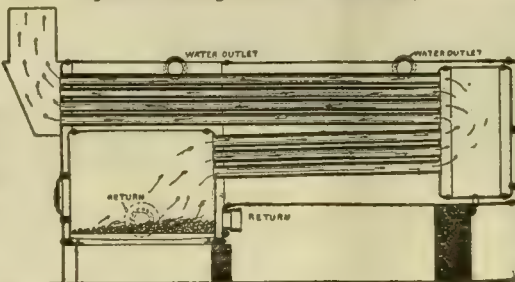
The Florist Club held their regular monthly meeting at the home of John Staack, of Moline, Ill., and all members were present, with the exception of two, and a very interesting meeting

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
¾ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



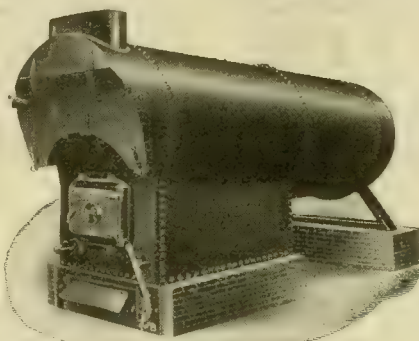
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



The Gem City

Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.

DAYTON, OHIO.

— BURNED CLAY —
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

was held. John Temple entertained the members with a talk on the "Doings at the S. A. F. Conventions," and of his trip through the east in general. A. Anderson entertained the members with a fine talk on his trip to Europe. He visited London, Hamburg, Paris, Stockholm, Copenhagen and other cities and his description of the scenes he visited was much enjoyed, and he also remembered the boys with a box of Swedish cigars. The Club accepted Wm. Goos' invitation to meet at his home in Bettendorf, Ia., on the evening of Oct. 14. Peony Culture was the topic for the evening's discussion, and a part was taken by every member, which brought out many valuable points as to the keeping of the blossoms, and so forth, after which a fine luncheon was served and a lively time took place.

G. A. Heyne, superintendent of one of the parks at Dubuque, Ia., stopped in Davenport for a day on his way from the State Fair to Chicago. Mr. Heyne was well pleased with the showing the Florists made at the fair this year.

Mr. and Mrs. Chas. Hummel are taking a well earned vacation, and are spending a week at Benton Harbor, Michigan, at the home of Mrs. Hummel's brother.

Edna Forber, who has had charge of the store of Forber & Bird, on Brady

Let us quote you on new and second-hand

**BOILERS, PIPE, FITTINGS, GLASS,
Greenhouse Lumber, Tools, Sash, Etc.**

METROPOLITAN MATERIAL CO.,

1394-1412 Metropolitan Ave., Brooklyn, N.Y.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 181 East 26th St., NEW YORK.

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

street, for the past few years, was married recently and will make her home in St. Paul, Minn.

Staacks, of Moline, have their new range nearly completed, and are busy benching carnations. Some 35,000 will be benched.

John T. Temple attended the meeting of the Iowa Florists, held at Des Moines recently, and was one of the judges at the State Fair. T. E.

STOUC CITY, IA.—A new city greenhouse is to be built at the west side of the pumping plant.



We are shipping orders for

Ventilating Machinery and Fittings

every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE J. T. Stearns Lumber Co.,
NEWTON, BOSTON, MASS.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

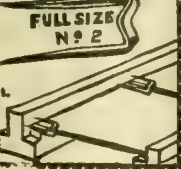
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Holds Glass Firmly

See the Point &
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DEER,
714 Chestnut St., Phila., Pa.



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb 40c. 5-lbs. \$1.85. 20-lbs \$7.00.

VAUGHAN'S SEED STORE
Chicago or New York

Worcester, Mass.

The exhibition of the Horticultural Society held September 8 was very small, as was also the attendance, due probably to the New England fair being held the same day, but every class in the schedule had at least one entry. At the fair held by the New England Society September 5-8, the exhibition of flowers was exceptionally fine, especially the asters and dahlias. In the nurserymen's exhibit Charles R. Fish, A. L. Bemis, and W. D. Ross were the contestants, the prizes being won in the order named. In the cut flower classes A. W. Hixon was the leading prize winner. W. D. Hathaway of New Bedford won the prizes for dahlias.

H. F. Midgley opened a store at 219 Main street September 1. M. W. R.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in

**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd. Manufacturers, PLATTENVILLE, LOUISIANA

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING
APPARATUS

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

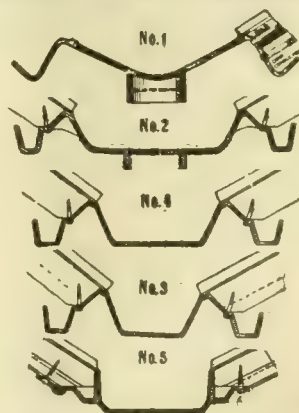
Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

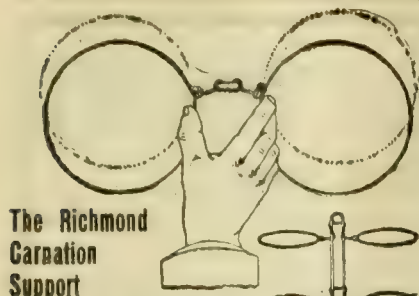
JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.



The Richmond
Carnation
Support

Beats all others in simplicity of construction, ease of adjustment, quick assembling, and is the only one that can be quickly and easily loosened when stuck with acids.

Write for prices: also on 'Mum and Rose Stakes.'

EAGLE MACHINE WORKS
RICHMOND, IND.

For Photographs of
Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic
Illustrator
413-414 Hayward Bldg., Rochester, N. Y.

We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St.
NEW YORK

Indianapolis.

THE TALK OF THE TOWN.

John Bertermann and wife have returned from Wawasee Lake by way of automobile. His son, Walter, drove the family touring car to the summer resort for the express purpose of bringing the old folks home. Walter Bertermann was accompanied by Mr. and Mrs. Herman Junge and daughter, Mrs. Paul Shidler.

Bertermann's Bros. Co. are trying to adopt the idea of showing that they are florists by suffixing the word Flowers to their already popular name, and styling their firm as Bertermann's Flowers.

The Wiegand boys have bought a new Overland car, for pleasure purposes, trading their old one of the same make. Homer Wiegand expects to get a business automobile in the near future.

A. W. Brandt, while making a hurry-up call in his automobile to the greenhouse after more flowers, was arrested en route for speeding by a motorcycle officer. Keep your horses, florists.

Billy Roepke has returned from a week's fishing on White river, and Chris Roepke, his father, followed the son's example by going to Manitou Lake for a fortnight.

An advertising war among local florists is imminent. A. W. Brandt started running a display card a few weeks ago and others are following.

The Reinken Floral Co. has acquired a new wagon, painted the same shade as that of the Pahud Floral Co.

Henry Rieman was also on a vacation. He went to Yellowstone Park to forget the florist business for a while.

"Benson, the Florist," has started a new stand in the Terminal Station so as to keep his horse and wagon busy.

John Rieman has just had his store-room freshly papered.



**Model
Extension
Carnation
Support**

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97. May 17, '98

**GALVANIZED WIRE
ROSE STAKES.**

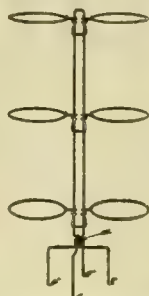
Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.,

286 North 9th St.,
BROOKLYN, N. Y.

**Müller's Double Improved
CARNATION
SUPPORT**



Is the only Support on the market that does not have to be tied overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks
For Itself.

O. A. MÜLLER
Ambler, Pa.

Pat. Feb. 8, 1910.

**Wired
Toothpicks**

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W J. COWELL, Berlin, N. Y.
Sample free. For sale by dealers.

**Gorham & Chapline
Printery Inc. CATALOGUES
PRICE LISTS.**

**HALFTONES, ENGRAVINGS and
PRINTING FOR FLORISTS.**

358 Dearborn Street, CHICAGO.

**The Regan Printing House
LARGE RUNS OF
CATALOGUES**

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

John Heidenreich is cutting some nice Easter lilies.

Smith and Young's roses are again coming in crop.

Roepke-Rieman Co. have a nice lot of cyclamen. A. W. B.

McArdle & Cooney

507 Arch Street,

PHILADELPHIA, PA.

**Wrought Pipe and
Fittings.**

**Heating Boilers,
Valves.**

And all Appliances for

GREENHOUSE HEATING.

Catalogue on Application.

WIRE cut in any length
Silver, Green
Cotton, & Green
Lacquered Wire.

Syringes, Wire-Shears, Pincers, etc. at
VERY MODERATE PRICES.

Carriage paid to Hamburg on all goods
over \$25.00.

PRICE LIST FREE ON APPLICATION

W. UNGEEHEUER SÖHNE,
Manufacturers of Wire and Wire Goods,
HÖCHST-ON-MAIN, GERMANY.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all Our
*Metal Designs, Baskets, Wire Work,
and Novelties,* and are dealers in *Glass-
ware, Pottery, Decorative Greens* and
all Florists' Requisites.

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers,
etc. Protects from frost. Best shade in
summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

**For Reliable Stock
From Reliable Dealers**

Keep Tab on Advt. in THE FLORIST.

NOW READY

—The American Florist Company's—

Trade Directory For 1910

Contains 570 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

OVER 40% NICOTINE

Furnishes the

By far the
CHEAPEST

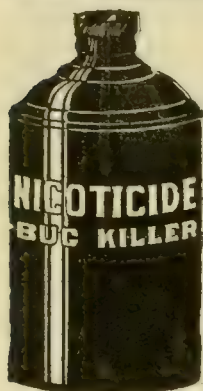
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JUST NOTE PRICES

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.



THE BEST
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. PALETHORPE
COMPANY,

Owensboro, Ky.

Mention the American Florist when writing

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
Thrips, Mealy Bug, Red Spider, Scale,
Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to
use, cheap and effective, mixes readily in
water. Destroys all insect pests and
keeps down filth. Circulars on appli-
cation. \$1.50 per gallon. Also in
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricul-
tural Dept. Certificate No. 223, July 8 1910

Syracuse, N. Y.

At the state fair the florists of this
vicinity were well represented and
large exhibitors. P. R. Quinlan & Co.
were the largest prize winners, closely
followed by C. Becksteadt of Oswego.
In the cut flowers the former won
seven firsts, and the latter two. Miss
J. Whartenly of Waterloo was also a
prize winner in one of these classes.
In the pot plants P. R. Quinlan & Co.
and Hugh Menelly of Syracuse, C.
Becksteadt of Oswego and James Me-
neilly of Skaneateles were the success-
ful exhibitors. Fred Vick of Rochester
and William Hewson of Buffalo, af-
filiated as judges.

A. V. B.

Roslyn, N. Y.

The regular meeting of the Nassau
County Horticultural Society was held
in Glen Cove, Sept. 14. Winners of the
society's prizes were as follows: Best
three melons, T. J. Trepass; best six
apples, G. Wilson; best six peaches,
J. Duthie. Cultural certificate was
awarded to Johnston for onions, splen-
did specimens of enormous size; hon-
orable mention to G. Barton for pears
and F. Petroccia for celery. Prizes
for next meeting will be for twelve
gardenias, twelve peony flowered
dahlias and best head of cabbage.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will
last at least three times as long as any other wood for bench material.
We can make immediate shipments at all times from our large stock.

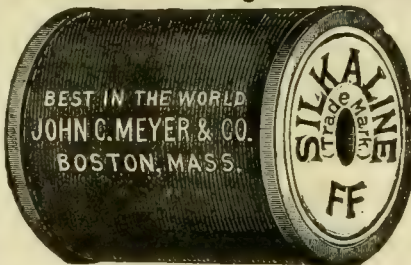
Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.

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ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
Telephones: Lincoln 410 and 411.

The "Meyer Green Silkline"



is the only Green Thread that
should be used by florists and
growers. It is guaranteed full
weight and full measure.

Also Violet Thread for tying up Vio-
lets. Price of both, \$1.25 per lb.

For sale by all first-class supply
houses. If your dealer does not
carry it in stock, write us direct,
giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from
start to finish.

When the machine is filled to within six inches of the top, a few strokes
of the pump will compress enough air in the tank to produce a continuous
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,
and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

In the afternoon a lecture was given
on "Gardens of Italy," by J. K. M. L.
Farquhar of Boston, to the members
and friends of the society at the opera
house. The views were exceptionally
fine; it was just like walking across
the finest gardens of Europe with a
guide explaining the different places.
The lecturer was so much at home
with his subject, going into the most
minute details of everything of interest
to horticulture, and giving us a com-
plete history of gardening from its
earliest stages up to the present date.
A most hearty vote of thanks was
extended to Mr. Farquhar for giving
us such a treat.

O. E. A.

green flies and
black ones too

are easy to kill with
The fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, OCTOBER 1, 1910.

No. 1165

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
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WM. F. KASTING, Buffalo, N. Y., Treas.
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RICHARD VINCENT, JR., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

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Stocks Into Cash
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Department.**

HALF HOUR CHAPTERS FOR FLOWER GROWERS

Lilium Longiflorum.

So much has been written about forcing lilies, both for Easter and during the earlier holidays and winter, that it seems almost unnecessary to write again, but frequent enquiries upon the culture of this plant indicate that many readers have overlooked these articles. The bulbs for Easter blooming will soon be received and should be handled as soon as possible. While the growers that handle these in large quantities pot them at once into their blooming pots, we certainly advise the smaller grower to adhere to the old time custom of first placing them in four-inch pots and then setting them in a frame or other suitable place for two or three different reasons. Economy of space and time are both large factors to be taken into consideration by the enterprising grower and the difference of space occupied by a number of 4-in. and 6-in. pots and the number of trips required in moving them from one location to another, is very great and should be considered before the bulbs are potted; of course, if they are first placed into 4-in. pots they will again have to be repotted into larger sizes but this can be done after the holiday season when the rush is over, and our experience has been that a better plant is secured by this method than where the bulb is first placed in the 5½-in. or 6-in. pot, and if any decorative plants are to be grown (that is, larger pots with three to five bulbs in them) the plants that are uniform can be selected at this time and a much better result obtained. If any *Lilium Harrisii* are to be forced for Thanksgiving, they should by this time have made a good start and those that are in the proper condition (and be sure that the pots are full of good, strong roots) should now be brought into a house with a night temperature of 55° and gradually increased to 60° and later to 65°. The bulbs that are not as forward should be retained in their cooler quar-

ters and brought in for the Christmas crop or later in the winter season. Keep a close watch for aphids all the time that a lily is growing and fumigate regularly.

Sweet Peas.

The early chrysanthemums will soon be cut and sweet peas are one of the best crops with which to follow them. Remove the stock plants of the chrysanthemums and then fork the soil over carefully, picking out all the debris and stir in a generous supply of well rotted manure. Peas of all kinds are not partial to fresh manure, which if too strong will burn the tender growths. To have flowers for Christmas or early in the year, the grower should have plants in pots grown from seed planted late in August or early in September, and these should be set into their blooming quarters at the earliest possible moment. Seed sown now will produce a crop of flowers in February and March. Plant the rows far enough apart so that they can be easily picked, that is, with room enough for the picker to walk between the rows without brushing the plants away from the strings. The best growers advise five feet between rows, and don't plant too thick if you expect a high grade of bloom. Be sure and have plenty of head room, eight feet from bed to glass is the minimum distance, and winter sweet peas often make a growth exceeding that length. Water thoroughly before the plants or seed are put into the ground and then sparingly until they show that they require more, when they get to growing luxuriantly they will require a copious supply. Some support for them to climb upon is necessary as soon as they begin to grow; strings are by far the best, and these may be strung from wires stretched at the base and over the rows, and some growers place stakes at the ends and through the rows and strings are fastened to them on each side of the growing plants,

other strings being added as, the growth advances.

Dutch Bulbs.

The large growers of the imported bulbs, knowing by past experience the exact date upon which to expect their consignments to arrive, have made arrangements to handle them immediately upon their receipt, but the florist who grows but a few thousands too often is so rushed with his other fall work that when he receives his shipment, has made no preparation to handle them and the cases are stored away, the bulbs to be potted when he gets time. If you want good blooms during the next winter and spring, this is a great mistake, for while these Dutch bulbs will stand lots of abuse and yet produce fair results, they are losing vitality all the time that they are left in such a dry state and especially if they are stored in a warm room, so get them into their pots or flats as soon as possible. Make up your mind just how many of each kind you are going to grow in both pots and flats and plan so that after you begin to bring them into bloom you will have a constant succession, so that your customers can be assured of getting the varieties that they desire. In planting them out they can be placed as closely together as possible, if so desired, and for pot culture make a much handsomer and more salable article if the pot is well filled, but a factor that must be taken into consideration is the price that can be obtained for the pot when in bloom. The culture of these bulbs has been so thoroughly covered that little can be added, but as soon as placed in the soil they should be thoroughly watered and placed in a cool, dark place, that root action may be induced as rapidly as possible, for the great secret of forcing bulbs is the production of pots full of good live roots and then success is assured.

Poinsettias in the South.

The growers are waking up to the fact that, though these plants will bloom in most anyone's back yard, yet when well grown in pots or pans they are the leading sellers at the Christmas holidays. They are now receiving something like the attention they deserve.

Hardwood cuttings and soft wood cuttings are taken with a heel root readily enough in the spring time, but the growth is so rapid that these are only useful to increase the stock. In July and August the cuttings are harder to root, and only in exceptionally favorable locations, such as in outside lath houses where the moisture is well maintained, is any degree of success attained. The better and surer way is to layer them exactly the way rubbers are rooted. The stock plants may either be planted out in the open ground or the pot plunged in a cold frame. Planted out the plants make a very rapid growth, but those in pots make a stockier growth and the layers root quicker and are altogether more satisfactory. The layers should have no more than three or four eyes at the most, and in the case of a long shoot two or more layers can be made from it. A slanting incision about one inch long, and that cuts about half way

through the stem, is made with a sharp knife. A little sphagnum in the incision will keep it from closing and then a small bunch of wet sphagnum is bound round the whole with string or raffia. As soon as made the layer should be securely tied to a stake to prevent its being broken off. Care is needed in the whole operation, as the shoots are very brittle and snap off easily. If the moss is kept constantly wet the layers will root in from seven-teen to twenty days. Three-inch pots are big enough for the first potting. A frame, under a lath house, with a cheese cloth shading, is an ideal place

want of water or feeding. They can be watered and sprayed two or three times each day during hot weather to advantage. The least approach to a yellow tinge in the foliage is a sign that the plant requires feeding. A little Clay's or other vegetable fertilizer and some well pulverized cow manure will quickly restore the color. A dose of liquid manure each week after housing until the bracts begin to show color will be a great benefit. A night temperature of 56° to 60° is plenty until the bracts are well developed, when the plants can be removed to a cooler place if required. By proper



GATES AJAR BY HUGH SEALES, BIRMINGHAM, ALA.

for the young plants until established. Spraying a few times each day will prevent any tendency to wilting or dropping of the leaves. Gradually inure them to the full sun, when they can be repotted or made up in pans.

In making up pans select plants as nearly alike as possible, in habit of growth and size, so that when finished each pan will have its plants even. An outside frame in the full sun is the best place for them until the advent of cool weather, when they can be placed in a clear house with plenty of light and as near the glass as possible. This plant must never suffer for

attention to watering and feeding a plant two to two and a half feet high, with perfect foliage, can be grown in a five-inch pot. About the middle of August is the right time to make layers intended for pans. Layers made at this time will grow nearly two feet high. If shorter plants are wanted, layers can be made a couple of weeks later.

WM. LEAR.

BUTTE, MONT.—The offices of the state board of horticulture have been moved to Missoula, at which place the Western Montana apple show will be held, October 10-15.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Gates Ajar.

The accompanying illustration is of a gates ajar composed of roses, carnations, callas and marguerites, a dove rests upon the base bearing streamers of wide chiffon which are knotted into bows at the sides. This beautiful design was arranged by Hugh Seales, of Birmingham, Ala.

A Standing Wreath.

The design in the accompanying illustration was made on a frame thirty inches in diameter and stood five feet over all. The body of the wreath was of dark purple asters, made solid, with a spray effect of valley and a few cattleyas at the ribbon to give it character. The base was of white asters, with a sprinkling of purple on one side. Easter lilies and white gladiolus were also prominent flowers. A purple ribbon bow, about the folds of which were placed a few choice purple asters, gave a finish and also provided a place to which the card was attached. This is one of the most popular designs and as it can be made in so many different combinations, it always seems fresh and is as a rule very satisfactory. It is much easier made than a column and is more effective for the number of flowers used, as the whole display in the wreath is seen at a glance, while but little more than half of the column is visible at one time, the other portion being on the other side and hidden from the direct sight of the observer. To facilitate shipping of the standing wreath the center rod is cut about eighteen inches from vase and six inches from the wreath. A piece of iron pipe into which the rod fits firmly is used when the design is set up at destination, the pipe being first pushed down on the foot and the stem or rod of the wreath being pushed into the top of pipe, working a quick and firm connection.

K.

The Figuring of Cost.

Has it ever occurred to the retailer that many of us overlook a great many of the little details of business costs? Too much cannot be said about figuring accurately the cost of doing business in order to conduct a store on a profitable basis.

Various lists of the things to be taken into consideration in figuring costs have been given. This is a good one: Rent (regardless of ownership of building), insurance, taxes, salaries, cost of cases, trucking, postage, advertising, fixture account, cost of heating and lighting, wrapping paper and twine, discounts, deterioration (in stock or store building, etc.), delivering goods, bad accounts, freight and express charges, exchange, telephone, repairs, charity, printing, stationery, depreciated values, and sundry supplies of all kinds.

It might be interesting for all retailers, before whose attention this article comes, to investigate and see if all of these items are being taken into consideration in fixing the selling price of everything they sell. It is practically a certainty that in the majority of cases they are not, and yet there seems

to be absolutely no question but that they should be.

As Abraham Lincoln said: "We should build for the future, in addition to making provisions for the present." What we want to do is to build up the retail trade on a firmer basis, not only for the present time, but for the future needs as well, by way of fixing a schedule of prices by which each and

Notes of the Chicago Retail Florists.

THE E. WEINHOBBER FLORAL CO.

On the north side of the city, about one mile from the business center, and only one block from the celebrated Lake drive, upon which reside so many of Chicago's wealthy families is located the store and greenhouses of the Ernest Weinhoeber Floral Co., 22 E. Elm



STANDING WREATH. HEIGHT, FIVE FEET.

every one should be guided. We want good staunch followers of the trade to help us build. Perhaps, you, my reader—you could help, if you would discuss the subject with your fellow workers and write us the results. The big fact stands out for the success of the National Florist Commission, viz: Co-operation.

A. E. KLUNDER.

street. While a little early at the time of our visit to find this concern at its busiest, for a large proportion of their customers have not yet returned to their city homes, still all hands were diligently engaged in preparing for the coming fall trade. Entering the door, we step into a beautiful office, equipped with refrigerators and counters, in and

upon which are displayed the best that the market affords of seasonable flowers. On the right are the greenhouses, filled with fine specimens of palms and decorative plants, a bunch of Phoenix Roebeleni in house sizes being in splendid condition. Thousands of small ferns of the useful and hardy varieties, all ready for the fern dishes, are in fine shape, and the orchid house gives promise of some beautiful blooms of these exotics when they will be needed later in the season. The patronage of this establishment is of the highest quality, and the demand for the best material, and when the question was asked the proprietor as to what the probable demand and outcome of the coming season would be, he jovially responded, "We would like to know ourselves." But American Beauties, lily-of-the-valley, orchids, a high grade of roses, carnations and chrysanthemums will be the product that this firm will handle this season and furnish to their customers in the most advanced and approved fashion.

W. J. SMYTH.

Situated upon the corner of Michigan avenue and Thirty-first street, in one of the exclusive parts of the city, is the store of W. J. Smyth. Up to date in every particular, with the stock to supply the most fastidious, greets the eye when the door is opened and entrance made into the store. The proprietor gladly meets the visitor and enthusiastically escorts him through the store. At the rear, with a door on Michigan avenue, is a conservatory filled with fine palms and other plants for home decoration. The summer business has been very good, and the autumn trade has opened auspiciously, weddings and society functions keeping all hands busy. The call for the highest quality is the demand of the custom of this establishment, and orchids, American Beauties, lily of the valley, the high grade roses and other exotics are the stock which is constantly being called for. In funeral work, while many of the set forms are made, yet the call is for light, artistic arrangements, and sprays some of which are very expensive, are in increasing demand. Ribbons are, of course, used in quantity, but no more than the demands of the occasion require. A beautiful store, in an elegant location, with an energetic proprietor, is the verdict which should be rendered of this busy corner.

MUIR'S.

A little farther out of the city than the last named place, on Michigan avenue, one of the aristocratic thoroughfares between Thirty-fifth and Thirty-sixth streets, is the well-equipped store and greenhouses of John and Samuel Muir, but their reputation is so well known and their trade so well established that the word "Muir," as it reads on the sign, is all that is necessary, and means that everything is of the best that can be procured. Extensive alterations are in progress, including the laying of a new concrete floor in the office and a thorough renovating in preparation of the coming season. A trip through the greenhouses found the stock in fine condition, and a nice lot of decorative plants are now ready for the purchaser. Nephrolepis in the different forms fill one house, and some elegant specimens

of the old Boston fern were noted. Dracenas of the different varieties and palms, all in fine condition. The growing of Christmas plants is very extensive and poinsettias are in elegant condition, and a large stock of begonia, Gloire de Lorraine, Christmas peppers and primulas are being rapidly gotten ready for the holiday trade.

STRAIL & HAHN.

One of the down-town stores that enjoys the patronage of the elite of the city, and is especially fortunate in

season would be, the proprietor kindly stated that in all probability no radical changes would be made, the calls of fashion changing slowly. Orchids, American Beauties and other roses, carnations, and later violets and sweet-peas would be in demand, but in the case of the smaller flowers large bunches, more artistically arranged, are preferred; in fact, orders are now frequently received for corsages of a size that a few years ago would have abashed the salesman; but the custom



FIRST PRIZE DAHLIA BASKET.

At the Exhibition of the National Dahlia Society of England.
After the Gardeners' Magazine.

catering to the floral wants of the prominent clubs, is Strail & Hahn, on Jackson boulevard. In the Wellington Hotel, and directly opposite one of the prominent theaters, on one of the principal streets, this small but thoroughly equipped and up-to-date store, presided over by the genial proprietors, has acquired a very prosperous and select trade. An exceptionally good summer trade and a very promising lookout for the winter season is anticipated. Upon inquiry as to what the styles and demand for the coming

has grown, and these demands are easily handled today. In funeral work, while the older forms are still in vogue, yet the shapes are not too closely adhered to and compactness is shunned and light, artistic work is arranged with plenty of light green and ribbons of the proper texture and quantity to finish the work.

H. C. ROWE.

In one of the many stores in the Palmer House, Chicago's famed hostelry, is located the prettily arranged store of H. C. Rowe, who not only en-

joys the patronage of the guests of this hotel, but enjoys the confidence and custom of the wealthy and aristocratic society people of the city. A beautiful window at 48 E. Monroe street, always artistically arranged, induces the customer to enter and inspect the floral beauties which are offered. Vases of American Beauties and chrysanthemums, with green and autumn foliage so placed as to form a beautiful combination, made a very attractive display as we approached the entrance. The summer business has been normal, and the autumn trade has but just commenced. American Beauties are having the call now, but the usual demand for high grade stock of all kinds is being looked forward to as soon as it appears upon the market and will be furnished as soon as the trade demands.

The Growing of Lilies for Easter.

A paper read by Harry J. Faust at the April meeting of the Florists' Club of Philadelphia.

I have no desire to pose before you as "Sir Oracle," the subject "The Growing of Lilies" being given to me by your essay committee, and almost insisted upon that I comply, by the chairman of your committee, Mr. Thilow. I could not but consent without appearing ungracious. So whatever apology there is for my being before you this evening must come from your committee.

I do not suppose there is anything grown for Easter more uncertain and requiring a greater amount of skill and attention than the lily, especially the growing of good lilies for Easter. To make this paper interesting it has been suggested that I take up the entire subject of forcing lilies from years ago to years to come, to illustrate my subject by samples of well grown and diseased plants, in fact, to enter upon a long and learned discourse and kick up such a lot of dust and bemuddle my subject to such an extent that you would have to catch on to my coat tail in order to follow me. But in this I saw no use. The diseased plants you all have seen enough of; you have had a heart's scald of them—the good ones are all sold.

VARIETIES.

As far as my experience goes there are only two varieties of lilies worth attempting for Easter, Giganteum and Formosum. To grow in quantity and to produce good, even results there is at present only one lily—Giganteum. This is a variety almost perfect; it comes true to its name, while for health it is all that could be desired. This year out of 13,000 bulbs I did not have to throw out 10 plants from disease; but as far as health goes I can give the Formosum an equally good character. Let us suppose there is only one variety—Giganteum. The first essential is to get good bulbs. I do not think it makes any difference from whom you procure them, any house of repute can supply you. My bulbs this year came in three separate lots. I saw no difference, they were all in perfect condition. Just as soon as you receive your bulbs get them potted. I have a way of potting that may interest you, as I never knew anyone else to pot in the same way. It is a very quick and cheap way of doing what would often in the ordinary way of potting be a slow and

worrisome job, especially when you grow in quantity. A few days before we receive our bulbs we have a large space cleared on the ground near the soil pile, we then cover this space with 2,000 to 2,500 empty 6-inch pots, say 20 to 25 pots wide to 100 long, then have a man fill the pots about two-thirds full of soil; we are then ready

then we start to plant, two men planting and two following up filling the pots with soil and so on until the end.

In filling the pots we throw plenty of soil on top, leveling it with the back of a rake. In this way we have often been able to use up 10,000 pots in three days, and last fall we did 10,400 pots



LILIIUM LONGIFLORUM MULTIFLORUM.

for the bulbs. When the bulbs arrive another 2,000 to 2,500 pots are placed on the floor, the bulb cases are opened and sorted; selecting all the best bulbs in the case, the cullings being kept separate. The good bulbs are for growing on in 6-inch pots, the culling we place two bulbs in a pot, then we take a 16-foot board to place upon top of the pots to stand or rather kneel upon,

in three days. I think you will acknowledge this to be a much more expeditious way of getting lilies potted than the usual way of potting at a bench. The lilies now being potted, all the work, especially selecting the bulbs and planting, being done at a minimum cost by two laboring men (not interfering at all with our regular work) the bulbs are now ready to wheel in-

side to be placed under a bench, or, just as well, to leave out, covering up carefully and bringing in later, or at your convenience. We usually leave ours out until we are rid of the chrysanthemums, although it does not hurt to bring them in at once if more convenient. We always like to have our lilies inside on the bench by December 15, and that reminds me of the great difference in forcing a lily for Easter.

Years ago when we first commenced growing lilies, we grew *Harrisii* and got our bulbs in August or early September. We would pot at once and have them two or three inches high when brought inside, but we always had trouble getting them in bloom for Easter. Of later years, since the Japanese bulbs have been grown and, although we do not get them until November, and often late November, we have no trouble, although as in this year, needlessly anxious.

CULTURE.

Now we come to the growing. We always start the lilies at a cool temperature and hold them in this temperature according to the date of Easter. The longer they stay at a cool temperature in the early stage the better. After we see they are well rooted and starting to grow the temperature can be increased up to any reasonable extent until they show evidence of making buds; then it is better to go slow. From the time that they first start to make bud to the time the bud is well developed is what might be called the critical period; stunted plants or blasted buds may very easily be your lot. All that can be said of this period is "Beware."

In growing a lily for Easter the credit is due to two people, the fireman and the man at the hose. There is no plant that loves syringing more than a lily, yet no plant resents more quickly an over-supply of water at the roots. I often on a bright day syringe two or three times, and have frequently at night gone into the houses and given them a good syringing, wetting down the paths, and also the steam pipes. I think syringing is very beneficial in growing lilies, especially if you have an apparatus for heating your water. We have an arrangement for tempering the water that enables us to have a constant flow of water at a temperature of 70° and upwards. This water heater is a very simple apparatus; anyone who uses steam heat could at the expense of a few dollars so equip themselves.

After a lily is in condition to stand it, I believe the quicker it is grown the better, only, of course, remembering to gauge the growth and development according to the date of Easter. This year was one calculated to try men's souls. We did not get our bulbs until November 18, and on account of the late chrysanthemums, could not get them on the benches until December 24. Out of 10,000 pots I do not believe 25 showed growth above the soil. Then came the month of anxiety and worry; how slowly they seemed to grow, how quickly the weeks flow by, a constant fluctuation between hope and fear, and cloudy weather seemed our portion and still the few short weeks we had to Easter were being rapidly counted off; eight more weeks

we anxiously said to ourselves, then seven, six and five.

TIMING.

It is usually calculated that it takes six weeks for a lily flower to develop from the time the bud first shows. It can be done in less. I would prefer to have six weeks to do it in than attempt to do it in four, yet it can be done in four. Just to satisfy myself how long it would take, or rather how quickly a lily could be brought into bloom, I this year marked a few plants. On February 22 I selected a few plants, marking them "No buds in sight." On February 25 buds could be seen on several and by February 27 all showed bud. We were then running a night temperature of 70°, or a little over, letting the day temperature with sunshine run higher. They were all in bloom in time for Easter, taking about a month from the time of first showing of bud to the blooming period.



Lilium Longiflorum Multiflorum.
Japanese Type.

One of the most important points in handling the lily is selling it. I think I am speaking advisedly when I say it does not pay to grow lilies to sell at 10 cents. Now, don't misunderstand me on this point: I do not mean that a lily cannot be grown and sold at 10 cents per bud and not yield sufficient margin for the grower to pay his debts, but that is all it will yield; it will give the grower no real profit, that is, no such profit as will in any way reward him for his risk, trouble and anxiety. Right at this point I cannot refrain from wondering if we are conducting our business in as wise a manner as we should. Are we not just stumbling along in the dark?

Every year as long as I can remember I have heard the report that lilies were going to be scarce, but without any real foundation. No one knows how many lilies it takes to fill the requirements of the city of Philadelphia. Don't you think we should know? If we only knew, or had a way of finding out, we would commence to be on a business basis; we would then be in a position to regulate prices. I have thought that a florists' board of trade might be a benefit, with committees to

look after the different branches of the trade. The committee on lilies would get reports from all the seed houses and know just how many bulbs were in the growers' hands, or get the report direct from the grower, with monthly reports as to progress, condition and number expected to be put on the market, in much the same way as the government gets its agricultural reports.

I believe if we all were to cut down the lilies grown 25 per cent and try to grow better lilies and get a better price, it would be a move in the right direction. There is one thing sure—none of us make enough money. We have the most anxious, worrisome business in the world, everything we buy costs more, and still more, but every time we get our returns we find them marked less. The only ones I see making any money on flowers are the street fakirs and the commission men, yet I think the commission men deserve all they get, for without these hustling and enterprising business men, who are ever advertising to find an outlet for our goods, I fear often our business would be in a bad way.

Two-thirds of the time the flower market is glutted, prices demoralized and the growers building more houses to throw more flowers upon the market to compete with themselves. Would it not be advisable to call a halt; let every grower who has more than 10,000 feet of glass pledge himself not to build any more for five years until the market catches up with the supply. Almost every week during the season we read in the trade papers of carnations, roses, violets, or lilies being a glut on the market. Let us work for prosperity and better prices not for the street fakirs. Lilies to afford the grower a proper profit should bring 15 cents per flower. We have been too much in the habit of rubbing shoulder with poverty. Let us put ourselves up on an equality with other professions and get more of the sweets of life and not so much of the bitter.

Chrysanthemum Worms.

ED. AMERICAN FLORIST:

Please give name of worms on chrysanthemum leaves herewith and remedy. A. M.

From the leaves submitted would conclude they were defaced by the leaf tier. The worm is about ½ inch when it reaches maturity at which stage it rolls or ties itself up in a leaf where it is transformed into a larvae and then into a small moth.

Persistent hand picking and destroying the worms and killing every moth is the only effective remedy we know of Paris green and arsenate of lead have been recommended, but the great difficulty is to apply them to the leaves thus affected. ELMER D. SMITH.

Lilies in Benches for Easter.

ED. AMERICAN FLORIST.—

When should Easter lilies be planted to bloom for Easter? C. S.

Easter lilies should be planted in pots or flats and placed in a dark cool place preferably buried in the ground until well rooted and then brought in to the house at least thirteen weeks before the expected time of blooming. W.

ORCHID NOTES.

Cypripedium Caudatum.

No one can fail to be struck with the unusual appearance of the flowers of *Cypripedium caudatum*. They are remarkable in respect of the length of the linear, ribbon-like pendulous petals that often extend two feet or upwards. When the flowers open they are usually about three inches in length, but they continue to grow rapidly for about 10 days when growth ceases. Often they grow as much as two inches a day and it is most interesting to set a mark one day and see how much they grow by the next. The species belongs to the *selenipedium* section and has larger flowers than any other in its class. The flowers vary somewhat in color, the upper sepal, which is about six inches long, being usually greenish yellow; the petals, above mentioned are reddish brown over the greater part of their length, the tips being yellowish. The lip is a beautiful bronzy tint becoming white at the opening and spotted with purple. In one peculiar variety, *Lindenii*, the lip is pendulous and ribbon-like, similar to the petals.

C. caudatum is a native of Peru, and, although previously known to botanists was one of the many grand orchids introduced in the earlier years of the last century by the very successful collector, William Lobb, who sent it home to his employers, James Veitch & Sons, of England, about 1847. It has been frequently sent home since by other collectors and is usually found growing in wet marshy places, a fact that accounts for its needing so much moisture at the roots under cultivation. Newly imported plants, in fact, are frequently covered with a whitish muddy deposit showing the class of soil it grows in naturally. Although not a cool orchid *C. caudatum* does not need any great heat to do it well. It thrives in a shaded part of a house devoted to cattleyas if kept moist at the root, especially when growing freely and its beautiful and interesting flowers remain a long time in perfect condition.

Odontoglossum Citrosum.

While a number of the *odontoglossums* are difficult to grow in this country, owing to the great heat of the summer, *O. citrosum* can be handled with ease by anyone with a little experience in orchid growing. It is a native of Mexico and has been known to orchid growers for nearly 100 years. There are other Mexican *odontoglossums* that will not thrive in heat, but these come from the higher mountain regions, while *O. citrosum* inhabits the plains between the ranges of the Sierra Madre. Veitch's "Manual of Orchidaceous Plants" quotes M. Roezl, who sent home great quantities of this orchid to Europe as follows: "Great was my surprise to see trees clothed with a profusion of orchids which proved to be *Odontoglossum citrosum*, whose pendulous spikes, a yard long, were adorned with innumerable white and lilac flowers



CYPRIPEDIUM CAUDATUM.

which perfumed the air with their delightful fragrance. The stoutest branches of the oaks were literally loaded and it was a pleasure to see the profusion of flowers produced by these plants, a single spike bearing upwards of 30 flowers. During several days' march we noticed that all the oak trees were clothed in this way by this same orchid, which flowers the more freely it is exposed to the direct rays of the sun."

In this quotation there is a useful hint as to culture. Those who keep this plant always moist and in a shaded house will never flower it to any extent. In order to flower profusely the growth must be well ripened by exposure to sun and air and the plants must have a distinct season of rest. The big, apple green pseudobulbs and the leathery looking foliage are of the kind that likes exposure to sunlight and get soft if grown in dense shade. Our own practice, for a number of years, has been to allow the plants to become absolutely dry during winter and until the points of the spikes can be seen in the center of the new

growth. Some growers simply reduce the supply of water and do not allow the bulbs to shrivel, but we have never seen any ill result follow the drying process, as the plants have increased in size and flowered freely every year while the pseudobulbs fill out again very rapidly when water is again applied in spring. Just as soon as the tips of the spikes are seen we take the plants down and place them in a water tank, leaving them there for 24 hours so that the whole of the compost, the roots and the leaves are thoroughly soaked with water. The flower spikes lengthen very rapidly and in a few days the bulbs are as plump as ever.

From this time on until the new growth is finished in September, or around there, the water supply must be very liberal for *O. citrosum* is a decidedly thirsty subject. It does best suspended in a good light from the roof of a house devoted to cattleyas or Mexican *lælias* and in such a position the pendant flower spikes look best. For a rooting medium good fibry peat and sphagnum moss is best and when repotting or rebasketing,

which is not necessary oftener than once in three or four years, all the old material possible should be picked out from among the bulbs and roots and plenty of rough charcoal, crocks or some such material added as the work of filling proceeds. While making growth the plants must be freely sprayed every bright day as well as kept moist at the root, and just before the flowers begin to open, the plants should be thoroughly soaked, as it is difficult to water after they are open without wetting and spotting the flowers. Insects are not usually very troublesome and are easily kept under by occasional sponging of the bulbs and leaves in conjunction with the spraying noted above.

THE ROSE.

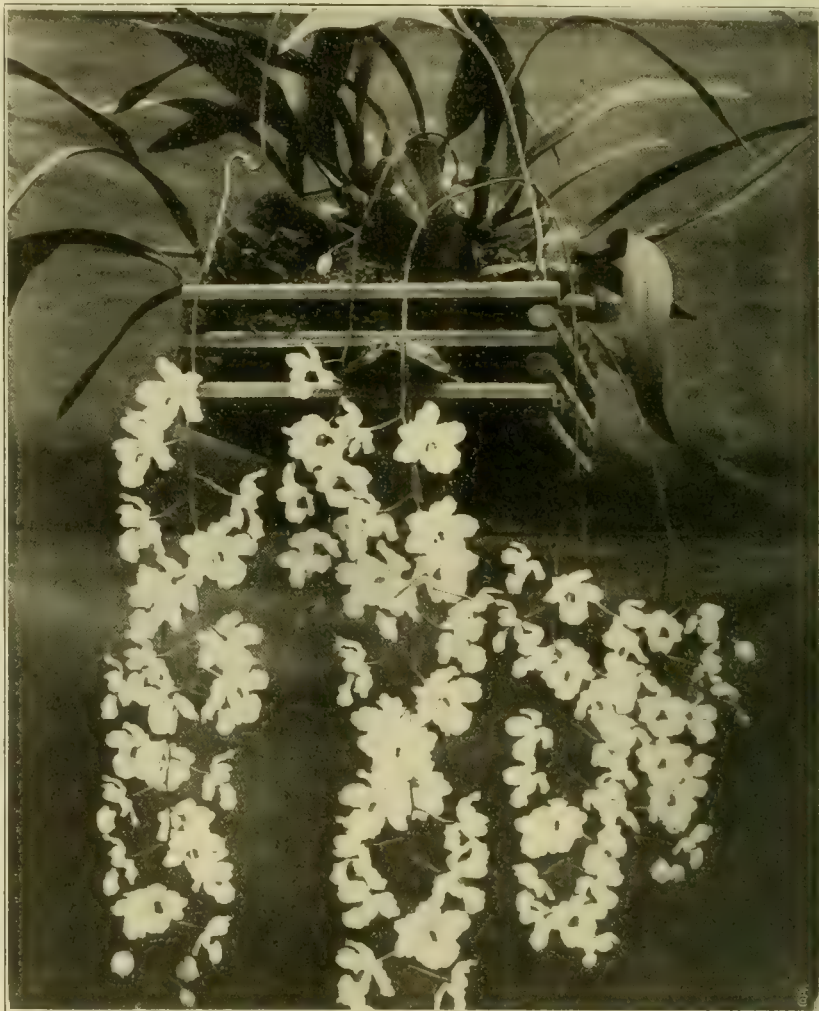
Seasonable Notes.

It is rather a difficult matter to suggest anything in the way of cultural methods of the rose stock at this meeting that will differ to any great extent from the statements in our recent article. Since then we have had some of the hottest of weather in the eastern states which is at this writing being followed by a very cold wave for this time of the year, making it necessary to carry a little heat through the night. These sudden changes are very delibitating to the stock, and great care must be exercised all around. Ventilating now becomes a matter of great importance and during the latter part of September usually high winds prevail, accompanied by dark days and often cold rains. The only thing to do under such conditions is to start the fires if the thermometer should happen to go as low as 55°. By carrying a little air and painting the pipes with sulphur a dose of mildew can be avoided. However, if too warm for firing keep the sulphur on grapedust blown over the foliage and water very carefully. If the stock is growing vigorously (especially young stock) and, there is plenty of surface roots, these plants will not stand for light watering. Care should be taken at all times, ascertaining the condition of the soil from the surface to the bottom, otherwise the sometimes moist condition of the soil on the surface will be deceptive. Very little cultivating is done as a rule after the 15th of September; if the planting has been done in season, owing to the surface roots, although as we often state in these columns, it should be kept up until there is danger of injuring the surface roots. Be as careful as possible in selecting a bright day for syringing from now on especially the Beauties and do the syringing early in the day, using plenty of pressure and spraying the foliage underneath as well as overhead. If there are any of the plants affected with "Black Spot" remove all affected foliage and burn it, but do not run them too dry in order to check the black spot, which is likely to be caused by a stuffy atmosphere in the houses due to careless ventilating and sloppy surroundings. The use of air-slacked lime dusted around freely in all the rose houses under the tables and in the walks, the latter being kept as dry

as possible tends to help matters considerably.

It might not be amiss to state that where there is a range of rose houses comprised of from 15 to 20,000 feet or more of glass, a very sane idea would be to have the night fireman take up his duties at once. Many of us know that to look at the fires at midnight expecting to find things O. K. at daylight is a rather risky thing to do even when the firing must be very light for often the temperature drops suddenly between 3 and 6 a. m. and

the size of the plants too much, a regular cut can be established which is to be preferred on a small range. It is of course hard to go by any set rule in describing this work which must be left almost entirely to the intelligence of the grower. Most any one though should be intelligent enough we think to keep the smaller plants disbudded until they catch up to their more thrifty neighbors, and to only let such plants bloom that will not be seriously set back from over producing from the start. Remember the mum season is



ODONTOGLOSSUM CITROSUM.

the fires just as suddenly, causing a great deal of condensation in the house after covering the foliage with moisture as cold as ice water or nearly so. With the night fireman at his post such conditions can be easily avoided and it will be found that it more than pays to take these precautions.

A few suggestions in reference to disbudding. Do not cripple the young plants by turning them loose with a full crop at this time. If the grower can not give this work his personal attention the next best plan will be to select a trusted employe and instruct him carefully how to proceed, by removing the short growth to carrying a bud back to a firm eye and letting the strong stemmed flowers bloom. Where the removal of the latter does not reduce

almost at hand and from now until the middle of November one had best try to build up good strong stock in the rose houses, reserving the heavier cutting from the last of November on.

E.

Roses in the South.

Although the growth is exceedingly active at this period the plants require close watching in regard to both watering and ventilating, in order to prevent them getting soft and drawn. Water they must still have in abundance and in some sections probably a good spraying at mid-day, but by all means keep plenty of ventilation on the houses. The doors may have to be kept open during the day and the side ventilation should not be en-

tirely closed at nights. Don't get alarmed at a few cool nights. Leave plenty of air on both top and bottom to fully care for the condensation and the roses will be all the better for it. The idea is to toughen the foliage, the better to resist the mildew, which only waits for a let-up in the precautions to make its appearance. When the time for firing arrives, use the minimum amount of heat and the maximum amount of ventilation at the top. This insures a thorough movement of the air and provides a typical condition for good, healthy growth. Some growers are mightily afraid of a draft, but plants that won't stand a draft for some time to come are in poor shape for a good winter's work.

The plants will require a little feed from now on. A light mulch of cow manure is all that is required at present, and the manure can be on the fresh side. Well rotted cow manure is all right to mix with the soil, but is of very little account for mulching. Apply the mulch of pretty fresh manure lightly and often. As soon as it is well washed into the beds renew it. The plants must be kept properly tied up so that the syringing will easily reach all the leaves. Disbudding must also be attended to in time. The plants are throwing lots of flowers now which should be pinched out as soon as they show color. Beauties will need tying up about every week or ten days to keep the shoots straight. This rose is not very subject to black spot in the South, though it is occasionally seen. The causes most contributory to this condition are: planting too close, crowding the shoots in tying, leaky houses and bad hygiene. These can all be easily guarded against, and with ordinary care this rose is one of the most profitable that can be grown in the South. WM. LEAR.

Rose Stems Weak.

ED. AMERICAN FLORIST.—

What is missing on my roses, they grow very thin flowers, stems are not stiff? I like to have stiff stems and good flowers. I am a new man in cut-flower growing and need some advice. I use liquid manure twice a week and have top-dressed the roses. C. S.

Without knowing anything about the planting and culture of your roses it is difficult to say what is the cause of your trouble but if they were small plants bedded in the houses this summer you are certainly overfeeding for no liquid manure or top-dressing should be applied until the bushes have made a good root growth in the soil in which they were planted. Hold off with your manuring and give the plants plenty of air. W.

The Rose Leaf Roller.

A well known correspondent advises us that he has adopted a very simple and efficient device to catch the moths of the rose leaf roller. A shelf is hung in the center of the greenhouse and on this is placed a kerosene lamp and then tanglefoot fly paper laid on the shelf around the lamp. The lamps are lit at night and the moths flying are attracted by the light and fly against and over the lamp and drop upon the sticky paper and are caught.

CHRYSANTHEMUMS

Feeding and Fumigation.

Disbudding, removing laterals, stools and tying are the things requiring attention in addition to the regular routine of watering, feeding and keeping insects in check which will keep the growers busy these days. All interested in exhibitions have their buds selected, but those who planted in July will be obliged to continue this work into October before the late varieties are finished. Laterals push faster after disbudding and the same may be said of the stools, which spring up from the bottom, which are more persistent than ever as the wood begins to ripen.

As the days shorten greater care must be exercised in the application of water. The evaporation is much slower, but the plants are at their height of vigor, particularly those which have not been disbudded, so they must not suffer from the need of it, but on the other hand the free and unstinted waterings we were giving in July and August must be reduced. Touching up the dry spots each day and a good spraying overhead on forenoons of bright days, is about all that is required from now on until the flowers are cut. Chrysanthemums are grown under such varied conditions that one is at a loss to know just how to handle the subject of feeding comprehensively and avoid the unpleasantness of misleading the beginners. We all know they can not be grown on barren soil, yet the amount of food required to properly nourish a plant is in reality an atom. The commercial grower who plants in June and July upon fairly good soil need not give much thought to the subject. All such stock requires is a few applications of liquid fertilizer after the buds are formed. Those growing for exhibitions where size is such an important factor, must be more conversant and know how far such treatment can be continued.

It matters not for what purpose they are grown it is the height of folly to overfeed and thus ruin many blooms for the sake of a few large ones. The mastery of this important subject is gained only by the closest observation, so as to determine the course to follow by the appearance of the plants. The condition of the leaves must be our index. The smaller, thinner and more pliable the greater the need for liquid applications. When the plant has had all it can properly assimilate the foliage is thick and dark in color, with lighter midribs showing very distinctly, which are usually raised or corded, while the whole leaf's surface is much undulated and has a decided ruff or harsh feeling when passed between the thumb and finger. Such conditions should not be manifest during the active growing season, as the full effect of the food is not fully apparent until the bud has assumed considerable size. For this reason it is important that all applications prior to bud formation be weak, and at intervals of not less than a week or ten days apart. Sometimes the soil is so rich that no liquids are required, and again it may

be of such a quality as to need solutions weekly to promote the desired activity. It matters little what we use for making liquid fertilizer, good results can be secured by using either cow or sheep manure or chemicals, it is more the knowledge used in their application than the materials, but remember whatever is used weak solutions are much safer.

It is advisable to keep aphids in check at all times, but from now on the stock should be entirely free of them. There are various ways this can be done, some prefer the various forms of tobacco or the nicotine extracts. We have used the past season hydrocyanic acid gas and are so well pleased with the results, that we shall discontinue all other insecticides for aphids. When properly applied it keeps all other insects in check except the tarnished plant bug and leaf tyer. We made several unsuccessful attempts before we found the right kind of cyanide. A 48 per cent potassium was first used, increasing the quantity until it would burn the foliage without destroying the aphids. We are now using Sodium cyanide in a very concentrated form. It comes in one pound tins marked 129 per cent cyanide. Upon writing the manufacturer we learn that 100 pounds of this brand is as efficient as 129 pounds of the 100 per cent potassium cyanide, and for this reason it is marked 129 per cent cyanide. Cannot say which of the supply houses are handling it, but we procured it from Arthur T. Boddington, New York. For houses 30x100 containing about 24,000 cubic feet of air space, we use four small jars which after putting 6 ozs. of water and 2 ozs. of sulphuric acid in each one, they are placed on the walks so as to divide the floor space as equally as possible. One ounce of cyanide is weighed out for each dish wrapped in tissue paper and placed on the walk beside the jar. When all is in readiness two persons drop the cyanide in the jars and pass rapidly to the next and out of the house, locking the door. When the plants are once thoroughly cleaned of the aphids they do not reappear under four to six weeks. Most every one knows the danger of inhaling this acid gas, but for fear some one may be careless will say there is no time to investigate the action of the cyanide after it has been dropped, and such a procedure would be useless, as the gas thus formed is as transparent and colorless as the air. By dropping the cyanide and passing to the next there is no danger of inhaling this poison, and it is then only necessary to see that such houses are locked, to prevent anyone from entering. In three hours it is considered safe to enter and put on ventilation. There is only one other precaution necessary and that is avoid spraying the plants in the afternoon of the day they are to be fumigated so the foliage will be perfectly dry.

ELMER D. SMITH.

WARREN, O.—Thos. Fletcher has completed two new houses, 9x25 feet each.

CINCINNATI, O.—Ninety-two automobiles and floats decorated with flowers made a beautiful floral parade September 14.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

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Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

THIS ISSUE 52 PAGES WITH COVERS

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Personal.

Benjamin Hammond is at Saratoga Springs for a brief outing.

THORLEY'S bouquets are described and illustrated in the Ladies' Home Journal for October 1.

VAUGHAN'S SEED STORE, Chicago and New York, was awarded a bronze medal at the Brussels (Belgium) exposition for Gladioli Mastodon, Mrs. Francis King and Princeps.

ONE Philadelphia wholesale house refers to the Killarney rose as ever dear, but most dealers will say, quality considered, it is always cheap. The other Killarney is an unknown quantity to the Bard o' Ayr's champion.

FROST may be expected any time after September 15 and it is well to be prepared for it. The first frosts are frequently followed by a prolonged period of fine mild weather and the season of tender stock may be prolonged very materially by light protection on frosty nights.

PUSH retail bulb sales now. Run out some postal cards to your special customers who have fine grounds for bulb beds.

The American Rose Society.

The schedule for the spring show of 1911 will soon be issued, giving the list of premiums to be offered for special prizes at the coming National Show in Boston. At the last annual meeting special letters were issued to Mr. Richard Vincent, Jr., as representative of the American Rose Society at the Nation Exhibition held in Belgium, and also in the Royal Botanic Gardens at Regent's Park, London. Mr. Vincent reports back, having received the kindest attention and that the people were delighted with the American Rose Society having extended the courtesy of a special representative. The honorable secretary, Mr. Edward Mawley, of the National Rose Society of England, writing under date of September 6, says: "We were pleased to see the representative of your society, The Rev. Dr. B. S. Sulliger and to welcome him at our leading exhibition on July 8, and we are glad to hear from him that he much enjoyed the time he spent with us." These are pleasant acknowledgments of courtesy that cement the friendship between the nations, the most desirable thing in these days of communication between civilized peoples.

The American Rose Society aims to have a "Rose for every home, and a bush for every garden," and it is a fact that more outdoor roses have been planted within the last three years, and are now in bloom, than every before saw the sunlight in America.

BENJAMIN HAMMOND, Sec'y.

Massachusetts Horticultural Society.

The Massachusetts Horticultural Society held its general autumn exhibition of flowers, fruits and vegetables September 23, 24 and 25. The display of dahlias was a duplicate of the show given by the New England Dahlia Society at the same place the previous week. Indeed, it more than duplicated the preceding show, for there were more exhibitors and more space occupied, and it seemed as if the entries that took the first prizes were better in quality. Besides Messrs. Alexander, Rawson, Ela, Hathaway and Walker there were Wm. Turner & Co., New Bedford; Andrew W. Preston, Swampscott; Mrs. L. A. Towle, Everett; Mrs. L. M. Towle, Reading; Wm. H. Symonds, Marblehead; W. H. Crupp, Marblehead; A. E. Johnson, Montello; F. L. Tinkham, Brockton; Jos. Thorpe, Taunton; R. & J. Farquhar & Co.; W. H. Hall, Montello, and Herman L. Winter, Medford. The first prize winners were W. D. Hathaway, twenty-four blooms show; W. K. Hall, twelve blooms show; W. D. Hathaway, twenty-four peony flowered; Turner & Co., twelve peony flowered; W. D. Hathaway, twenty-four cactus; Turner & Co., twelve cactus; W. D. Hathaway, twenty-four decorative; Turner & Co., twelve decorative; J. K. Alexander, twelve vases pompons; Turner & Co., twelve vases singles; Geo. H. Walker, largest and best collection named varieties. Other dahlia awards, besides the second and third prizes,

were: Thanks to R. & J. Farquhar & Co. for a large central stage of dahlias in vases and bouquets; W. D. Hathaway, gratuity, for a table of 80 vases; Andrew W. Preston, gratuity, for a general display; G. B. Gill, gratuity and honorable mention.

R. & J. Farquhar & Co. received a silver medal for the best collection of hardy herbaceous plants; B. Hammond Tracy, Wenham, a silver medal for the best display of gladioli, arranged for effect; R. & J. Farquhar & Co., honorable mention for a magnificent specimen of drooping begonia, Alice Manning and for a collection of hardy phlox; Mrs. H. F. Durant, gratuity for orchid, Oncidium Varicosum Rogersii; Mrs. J. L. Gardner, gratuity, display of ferns, and Thomas Proctor, honorable mention for display of adiantum Farleyense.

The exhibition of apples, pears, peaches and plums was of familiar sorts, and of average merit. The entries of foreign grapes was the sensation of the fruit show, on account of the immense clusters and giant size of the fruit. First prizes for fruits: Thomas E. Proctor, foreign grapes; apples, Elliott & H. Ward Moore, Gravensteins; E. S. Cole, Maiden's Blush; N. J. Andrews, Wealthy; H. A. Clark, Sutton Beauty; Wilfred Wheeler, Porter; pears, G. V. Fletcher, Bartlett; W. C. Kendall, Beurre Bosc; F. W. Dahl, Sheldon; W. C. Kendall, Seckel; peaches, A. F. Estabrook; plums, G. V. Fletcher, collection of varieties; grapes, C. W. Libby, Moore's Diamond (white); C. W. Libby, Brighton (red); H. J. Andrews, Worden (purple); W. G. Kendall, best collection of five varieties; melons, James Garthley, Improved Honey Drop (cantaloupe); Oliver Ames, Halbert Honey (watermelon).

The most interesting exhibit in the vegetable department was the large and very educative showing of mushrooms, edible and non-edible.

Dreer's contribution of nymphaeas was a great addition to the floral display. John S. Hay came with them. They seem to grow more and more wonderful in their beauty.

W. T. H.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last address.)

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. Address C. P. Close, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show, Society of American Florists, Mechanics' building, Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. Address J. H. Burdett, 1620 W. 104th Place, Chicago.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Address Geo. W. Smith, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. Address A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Address Geo. H. Instone, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. Address R. Carey, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Clubs, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Address Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Address Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music hall, 115 Court street. Address Frederick H. Wirtz, 86 Nicolli street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland hotel. Address Angus McLeod, 1032 Alleen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28.—Annual flower show, Dutchess County Horticultural Society.

Springfield, Ill., September 30 to October 8, 1910.—State fair. Robert O'Dwyer, superintendent, Monroe and Des Plaines streets, Chicago.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Address Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Address Adin A. Hixon, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., October 6, 8 p. m.—Albany Florists' Club, W. C. Kings, 24 and 26 Steuben street.

Buffalo, N. Y., October 4, 8 p. m.—Buffalo Florists' Club, 385-387 Elliott street.

Chicago, October 6, 8 p. m.—Chicago Florists' Club, Union Restaurant, 11 Randolph street.

Cincinnati, O., October 3, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Dayton, O., October 3, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., October 3, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., October 3.—Grand Rapids Florists' and Gardeners' Club, office of member.

Indianapolis, Ind., October 4, 3:30 p. m.—State Florists' Association of Indiana, State House.

Louisville, Ky., October 4, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., October 6, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

Montreal, Que., October 3, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, October 5, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., October 5.—Newport Horticultural Society.

Pasadena, Calif., October 7, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., October 4, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce.

Pittsburg, Pa., October 4, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, October 4.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., October 4.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., October 4, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue north.

Utica, N. Y., October 6, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Washington, D. C., October 4, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Situation Wanted—As a grower of cut flowers and potted plants on a first class place in the south-west by October 7th; practical experience in the trade 26 years; expect fair wages; middle-aged single man; honest and sober. Please state full particulars in first letter. Address
Key 207 care American Florist.

Situation Wanted—25 years' experience in growing cutflowers, bedding stock of all kinds; in designs and plant work; boilers and steam fitting; can handle orders, packing and help; eight years foreman in one place; married and sober; prefer Mobile or Houston.
S. L. STRONG,
516 Nix St., Lake Charles, La.

Situation Wanted—As foreman on commercial or private place; 20 years' practical experience growing of roses, carnations, mums, all cut flowers and pot plants, designer and decorator; good landscape gardener and propagator; German, middle aged; married, no children; best of references; please give particulars in first letter.
E. J. HOENENBERG, Sewickley, Pa.

Help Wanted—An energetic reliable man experienced in growing pot plants of all kinds as well as cut flowers; \$55.00 per month, with cottage and garden.
F. WALKER & CO.,
634 Fourth Ave., Louisville, Ky.

Help Wanted—Reliable German experienced gardener for Country Home near St. Louis; state age, salary expected; whether married or single and give references, address
R. R. PEW,
1610 Washington Ave., St. Louis, Mo.

Help Wanted—Decorator and store man. Must be a hustler for trade and furnish first-class references. Do not apply unless you have a good position and want to better your condition.
THE J. M. GASSER COMPANY,
Euclid Ave., Cleveland, O.

For Sale—Model boiler, No. 5-30; good condition; cheap. Address
Key 201, care American Florist.

For Sale—Two florist wagons with top and two open wagons at a bargain.
RANDOLPH & McCLEMENTS,
Baum and Beatty Sts., Pittsburgh, Pa.

For Sale—A well-established retail flower and seed store; splendid opportunity for the right party; easy terms; owner has other business; Pacific coast. Address
Key 202 care American Florist.

For Sale—One good second-hand Ericsson hot-air pumping engine; this engine is in first-class condition, capacity 500 gallons per hour, reason for selling, well went dry and I have put in city water; price cheap write at once to
E. H. MARSHALL Florist, Sabetha, Kan.

For Rent—Greenhouses, 1,600 feet glass; acre land; hot beds and cold frames, city water; rent, \$65 year; stock cheap.
E. F. MOORE,
203 Main St., East Aurora, N. Y.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs, Iowa.

For Sale--Retail Store.

Well established; located on fine transfer corner in San Francisco. Completely stocked and doing good family and counter trade. Address

Key 208, care American Florist

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED.

Prices on Buckthorn, heavy three year old, for hedge planting. Send sample and particulars to

H. T. CLINKABERRY, Supt. Highcroft Estate,
Wayzata, Lake Minnetonka, Minn.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

Bids for Carnation Crop

At the Florists' Experiment Station
Asked for.

The experiments with carnations being carried on at the Florists' Experimental Houses at the University of Illinois require the growing of 3,200 plants. During the past season, from the middle of November to the first of July, over 58,000 marketable flowers were cut and disposed of. This does not include those required for the college and for class work.

Bids are now being asked for by the Department of Horticulture of the University for the cut from November, 1910, to July 1, 1911, under the following conditions:

That the contract is to include all saleable flowers not required by the college in class and decorative work during the above period.

That the purchaser make a settlement monthly.

That the purchaser give a sufficient bond.

That the University is to sell no carnations to any other party or parties.

In the experiment work with **Roses, 640 Killarneys and 640 Brides** are grown. Bids for the cut for the coming season are also asked for under the above conditions.

Bids for both the Carnation and Rose crops will be received up to and including October 7, 1910. All bids should be sent to

H. B. DORNER,
Asst. in Floriculture, Urbana, Ill.
September 23, 1910.

Trade Directory

(EDITION OF 1910.)

Of the Entire Horticultural Trade of America
Is Now Ready for Mailing. Price \$3.00, Prepaid.

A complete alphabetical list of all American cities, with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. These lists are keyed to indicate the special line or lines of each establishment. The book also contains special lists, as follows:

Park Superintendents,	Horticultural Societies,*	Florists' Clubs,*	Supply Concerns,
Landscape Gardeners,	Experiment Stations,*	Foreign Houses,	Judging Scales,
Trade Associations,*	Botanical Gardens,	Catalogue Firms,	Seed Growers,
Leading Cemeteries,	Postage Rates,	Express Rates,	Statistics.

*With new officers to date.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago, U. S. A.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As gardener on private place; single, German, age 48; experienced in all branches; high references; wages liberal.
GARDENER 110 W. Indiana St., Chicago.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.,

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.			Per 100			Per 100
Extra long specials.	.....	\$3 00 to \$4 00	Richmond, long.	.....	8 00	Chrysanthemums, Golden Glow,	.....	Per 100
36 inch.	.....	12 50	Medium.	.....	6 00	yellow; October Fr. st. white	.....
24 to 30 inch.	.....	2 00	Short.	.....	3 00 to 4 00	\$1 50 to \$2 50 per doz.	.....
15 to 18 inch.	.....	1 50	My Maryland, long.	.....	\$8 00	Orchids, Cattleyas per doz.	.....	\$7 50
12 inch.	.....	1 00	Medium.	.....	6 00	Harrisi Lilies.	.....	\$12 00 to \$15 00
Shorter...per 100, \$4 00, \$6 00	.....		Short.	.....	\$3 00 to 4 00	Valley	.....	3 00 to 4 00
			White Killarney, long.	.....	8 00	Gladioli	.....	3 00 to 5 00
Killarney, long.	.....	\$8 00	Medium.	.....	6 00	Plumous Sorays, Sprenger.	.....	2 00 to 3 00
Medium.	.....	6 00	Short.	.....	3 00 to 4 00	Plumous Strings, extra long.	.....
Short.	.....	3 00 to 4 00	Perle, medium.	.....	4 00 to 6 00	per st ing 60c	.....
Cardinal, select.	.....	10 00	Short.	.....	2 00 to 3 00	Smilax per dozen	.....	\$1 50 to \$2 00
Long.	.....	8 00	Carnations	.....	2 00 to 3 00	Galax	.....	per 1000, 1 00
Medium.	.....	6 00	Asters, good, outdoor.	.....	2 00 to 3 00	Ferns, fine, new.	.....	1 50
Short.	.....	3 00 to 4 00	short outdoor.	.....	75 to 1 00	Adiantum Croweanum.	.....	75 to 1 00

SUBJECT TO CHANGE WITHOUT NOTICE.

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Send Trial Order Now.

CUT FLOWERS

ROSES, CARNATIONS, CHRYSANTHEMUMS and all other Seasonable Stock.

Our Roses are of exceptionally good quality. Our Carnations, although a little short of stem are as Good a Grade as can be found in the Market.

L. D. Phone Randolph 2081

WIETOR BROS., 51 Wabash Ave., Chicago.

Chicago.

AUTUMN WEATHER.

The cooler weather of autumn has made its appearance and while no frosts have as yet been reported, they may now be expected at any time. The out door stock is rapidly approaching its end. Asters are nearly all cut, every morning sees large shipments but nothing, either in quantity or quality, as have been received for the past two or three weeks. Some very handsome dahlias were seen this week and cosmos in large vases are to be found at the stores. Gladioli are still fine in quality and in good quantity. The coarser flowers are not seen as frequently as they have been. Autumn leaves of the various hues are seen everywhere and are used for decorative effect. The cooler and darker weather, for the past week has been quite cloudy, has shortened up the inside cut, while there appears to be roses enough to supply the demand yet the cut is hardly up to what has been received lately but the quality is all that could be asked. American Beauties on extra long stems of good size and color, Killarneys and other roses in excellent quality are to be found at all the stores. Carnations are more plentiful and of far better quality, but the decrease in the outdoor stock causes more demand for these flowers and the outlook, at present, is that the first heavy frost will see a shortage. Chrysanthemums are much more plentiful and of excellent quality. Some orchids are being received but not in any great quantity, and the demand is fully

equal to the supply. Lily of the valley is in fair quantity and is good. Gardenias are to be found on the retail counters, and some beautiful nymphaeas are seen in the store windows.

NOTES.

The stock which is being received every morning at Poehlmann Bros. Co. is of exceptional quality for so early in the season and is very quickly disposed of shortly after its arrival, but it keeps coming, and all demands are satisfied. American Beauties in all grades, Killarney of both colors and all the other desirable varieties of roses in elegant quality and of any length of stem that may be desired. Carnations in the best varieties, of good stem and size, Golden Glow and October Frost chrysanthemums that equal in size the mid-season sorts, are daily arrivals. Cattleyas are now beginning to arrive in beautiful shape and lily of the valley is of the first quality. It looks when the early shipments arrive as if all the wants of the customer could be bountifully supplied.

The stock at Bassett & Washburn's store is all of excellent quality. Chrysanthemums, both of Golden Glow and October Frost, are as fine as is often seen and their carnations are rapidly approaching mid-season form, both in stem and flower. Roses in the extra good quality for which this firm is noted and American Beauties that are A1, both in stem and color, are received every morning. Some extra Rhea Reid roses were noted this week. The quality of stock is well

appreciated by the trade, for the business last week was the best of the season.

The interior of the Hoerber Bros. store has been repainted with a coat of white enamel and the office partition extended to the ceiling, while before it was but half way. Two new wall cases have been added and they are now prepared to handle the fall business. Harry Manheim, who has charge of the store, did the largest part of the painting and showed himself to be quite an artist. The stock is in good condition, business is good, and they are receiving an average of 7,000 roses a day from their young stock.

Vaughan & Sperry are receiving extra large shipments from their growers of an exceptionally fine grade of American Beauties, which are eagerly sought by the best trade, and are selling very readily at good prices. Orchids are arriving in fine condition and the demand for these exotics keeps pace with the supply. Carnations of good quality are moving readily and chrysanthemums, both yellow and white, are finding a good market, for the quality is of the best.

Miss Edna Kindler, daughter of Mrs. A. Kindler of the Raedlein Basket Co., 713 Milwaukee avenue, returned September 21 from Ebersdorf, Germany, where the manufactures of this concern are located. She has selected an unrivalled assortment of these necessary wares for the fall trade. A large shipment of baskets, including many new and attractive forms, arrived last week and another is due very shortly.

Chrysanthemums

**Golden Glow
Oct. Frost**

Acknowledged the best in this market,
\$2.00 to 2.50 per doz.

We have some special **Golden Glow**, extra large, for
exhibition purposes, **\$3.00 per doz.**

—PRICE LIST—

AM. BEAUTIES,	Per doz.
36 in. and over.....	\$3 00
24 to 30 in.....	\$2 00 to 2 50
18 in.....	1 50
12 to 15 in.....	1 00
Shortstems per 100,	4 00 to 6 00
HARRISH LILIES.....per doz.,	2 00
".....per 100,	18 00
FANCY CARNATIONS,	Per 100
Pink and White.....	\$2 00 to \$3 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	\$2 00 to 3 00
Extra select Kaiserin....	8 00
ROSES , our selection....	2 00
White and Yellow 'Mums ,	
per doz.....	\$2 00 to 3 00

	Per 100
Lily of the Valley ...100,	\$3 60 to \$4 00
Asparagus.....per string,	60
".....Sprays per 100,	\$3 00 to 4 00
Sprengerl.....per 100,	2 00 to 3 00
Ferns.....per 1000,	1 50
Smilax.....per doz.,	1 50
Adiantum.....per 100,	1 00
Galax, green.....per 1000,	1 00
".....bronze.....per 1000,	1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

J. B. Deamud Co. is this week offering an excellent grade of Golden Glow chrysanthemums which are eagerly sought by the trade. Some fancy carnations were seen here, Victory being of exceptionally good quality. The demand for southern smilax is heavy and a large quantity is kept constantly on hand. The finest dahlias yet seen on the market were noted here this week, some dark reds of the cactus type were particularly handsome.

E. E. Pieser of Kennicott Bros. Co., returned September 23 from a month's tour of the Canadian country. It was his intention to pass the time hunting and fishing, but owing to the cold weather Mr. Pieser and wife, in company with Mrs. Noel, a sister of Mrs. Pieser, visited the larger cities of Canada. Mrs. Pieser and sister remained at Toronto and are expected home Sunday.

The Chicago Rose Co. is offering a very good quality of roses. Looking into the wire working department we saw all hands as busy as bees. Our attention was called to a novelty in a design by Joseph Ziska. It was a 12x24-inch pillow frame on a reclining stand and from the base were suspended five small hearts intended to represent the five remaining members of the family.

The American Beauty roses cut at the George Reinberg houses are as good a grade as can be found in the market, the stem being extra long and the substance of the flower exceptionally good. R. C. Northam is at his wits end to fill the orders for short lengths, the large amount of funeral work creating an exceedingly large demand for this grade of stock.

E. H. Hunt is this week offering a very good grade of roses. A very large trade was handled this week in florist's greens and a large shipment of southern smilax and Mexican ivy

has just arrived. Clifford Pruner, of the supply department, is looking forward to a very busy month, and the business the past season has been exceedingly good.

R. Van Gelder, of Percy Jones, has made several changes in his place of business. The office was moved to the northeast corner, giving him a very much needed floor space. Additional help has been secured and more will soon be added. Mr. Van Gelder is this week offering an excellent grade of carnations and chrysanthemums.

Frank S. Ayres, of the Chas. W. McKellar establishment, is again on deck at the store after a five weeks' outing in the wilds of Canada. Frank spent most of his time in a canoe cruising among the lakes and enjoying himself hunting and fishing. Large game is very plentiful this season throughout that section of the country.

Buchbinder Bros., 518 Milwaukee avenue, manufacturers of and dealers in store and office fixtures, are making some extraordinary offers to florists who wish to exchange or buy new fixtures, and a cordial invitation is extended to all to come and look over their stock.

Word was received this week from O. P. Bassett and wife that they had arrived at Pasadena, Calif., safely and were expecting to proceed to Long Branch. They have taken their automobile with them and intend to spend the winter enjoying the scenery of that beautiful part of the country.

J. A. Budlong has an exceedingly heavy crop of roses and carnations this time of the year, the latter being of an exceptionally good quality. The shipping trade has been very heavy and the stock has given splendid satisfaction as attested by the letters received by Phil. Schupp.

Wietor Bros. are right in crop and their cut of all varieties of roses is large and the quality is exceedingly fine. Special mention should be made of their American Beauties, which are exceptionally good, and their chrysanthemums rival any in the market.

The fair at Springfield opens September 30 and many prizes are offered in the horticultural section. Premium lists may be had on application to Superintendent Robert O'Dwyer, Monroe and Desplaines streets. Telephone, Monroe 1620.

J. W. Starrett, who has charge of the cut flower decorations at the Hotel LaSalle, has been very busy during the present week. The electrical convention brought many guests to the hotel and kept everything on the move.

The Chicago Carnation Co. have engaged space in Room 203, Atlas building, Randolph street, where they will sell the stock grown at their houses at Joliet, Ill. They will open October 1 and A. T. Pfeifer will be the manager.

John Kruchten received his first shipment of a fancy stock of dahlias September 26 and will have them in quantity from now on. An excellent quality of carnations and chrysanthemums were also seen here.

E. R. Armstrong, of the Palace Floral Co., sold his business on North Clark street to L. M. Leveson and has accepted a position with George Perdikas, corner of Dearborn street and Jackson boulevard.

H. Radtke, California avenue, has erected a new greenhouse this summer 17x100 feet which is nearing completion. The material was furnished by the Foley Manufacturing Co. of Chicago, Ill.

Richard Rolston, formerly an employee of the Wietor Bros., and later in business on East Forty-seventh street, has disposed of his store and

WE ARE CUTTING HEAVILY

Mrs. Marshall Field,

Richmond and Am. Beauty Roses.

Also Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,		Per doz.			Per 100			Per 100
Long stems	.....	\$3 00 to \$4 00	Killarney, select	.....	\$6 00	Carnations	.....	\$1 50 to \$2 50
30-inch stems	.....	2 50	medium	.....	\$4 00 to 5 00	Asters	.....	2 00 to 3 00
24-inch stems	.....	2 00	Mrs. Marshall Field, select	.....	8 00	Valley	.....	3 00 to 4 00
20-inch stems	.....	1 50	medium	.....	4 00 to 6 00	Easter Lilies	per doz.,	1 50 to 2 00
15-inch stems	.....	1 25	Bridesmaid	.....	4 00 to 5 00	Asparagus Plumosus,		
12-inch stems	.....	1 00	Bride	.....	4 00 to 5 00	extra quality..per bunch.		50
Short stems	.....	\$4 00 to \$6 00 per 100	My Maryland, select	.....	6 00	Fancy Ferns	per 1000.	1 50
Richmond, select	.....	Per 100 \$6 00	medium	.....	4 00 to 5 00			
medium	.....	\$4 00 to 5 00	Ivory	.....	5 00			

ROSES, our selection.....\$3.00 per 100

Peter Reinberg,

35 Randolph St.,
CHICAGO.

is now connected with the Wise Furniture Co.

E. C. Amling is receiving an excellent grade of lilies and roses. Killarneys showing up remarkably well. Chrysanthemums are now arriving in quantity, and Golden Glow is in fine shape.

George Proppis, formerly of St. Paul, Minn., is now in business with his nephew, Geo. Perdikas, and has taken charge of the store on the corner of Dearborn street and Jackson boulevard.

Schiller, the florist, West Madison street, has placed an order with the Buick Motor Car Co., Michigan avenue, for a 22 h. p. gasoline auto, which will be used for delivery purposes.

At J. F. Farrell's, 4643 State street, an exceedingly busy season is being enjoyed and everything points to prosperous outlook. Weddings and funeral work have kept all hands busy.

A. L. Randall Co. is receiving plenty of everything, their lily of the valley being of exceptionally good quality. This firm is handling large quantities of florist's greens of all kinds.

Peter Reinberg is cutting an excellent grade of roses, the Mrs. Marshall Field and Richmond being of exceptionally good quality. Tim Matchen reports a very busy week.

Weiland & Risch are cutting a very excellent grade of carnations for this season of the year and their roses, especially white and pink Killarneys, are showing up remarkably well.

Zeck & Mann are this week offering a very good grade of roses and carnations. The latter are of exceptionally good quality. Business has been very good.

Kennicott Bros. are this week offering an excellent grade of Golden Glow chrysanthemums to the trade. Carnations are arriving more freely and more readily.

John Horstman, of Bassett and Washburn's, went to Beecher, Ind., September 25, where he officiated as best man at the wedding of one of his friends.

E. F. Winterson Co. is handling a very good grade of gladioli and carnations. The latter are of exceptionally good quality. Business has been very good.

Ed. Misiewicz, 1166 Milwaukee avenue, has had a very busy week, wedding decorations occupying his attention.

J. Mergen, 2025 West Twelfth street, is enjoying a very fine business this



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Coerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley. Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. MCKELLAR
51 Wabash Avenue.
CHICAGO.

fall. The many funerals causing quite a call for flowers for the sad occasions.

Kyle & Foerster are handling a large quantity of gladioli, roses and carnations, the two latter being of exceptionally good quality.

Sinner Bros. of the Flower Growers' Market are cutting a very good grade of Killarneys, Maryland, Richmond and Jardine roses.

The regular meeting of the Florists' Club will be held next week, Thursday, October 6, at the Union Restaurant at 8 p. m.

C. Kranz and wife of Great Falls, Mont., spent a few days in the city last week, returning home September 23.

J. F. Klimmer's health, we are pleased to state, continues to improve. John Kruchten spent September 27 at Aurora.

Visitors.—C. Kranz and wife, Great Falls, Mont.; H. W. Koerner, Milwaukee, Wis.; W. J. Vesey, Fort Wayne, Ind.; B. Schroeter, Detroit, Mich.; W. F. Duntemann, Bensenville, Ill.; J. A. Carbone, West Berkeley, Calif., returning from the east; B. York, Hancock, Mich.

BOWLING.

The Florists' Club bowling league opened its season September 28 at Bensinger's alleys, 118 East Monroe street. Vaughan & Sperry have offered a very handsome silver cup as a prize for the best individual average for the season. The several teams are to be known as the Roses, Carnations, Orchids and Violets and are composed as follows:

Roses.	Violets.
O. Goersch.	T. C. Yarnell.
A. Fischer.	W. Loman.
W. Wolff.	H. Schiller.
L. Fischer.	L. Vaughan.
E. Johnson.	F. Liberman.
Carnations.	Orchids.
F. Ayres.	G. Asmus.
F. Pasternich.	J. Zeck.
F. Krauss.	J. Huebner.
A. Zeck.	W. Graff.
E. Schnitz.	J. Degnan.
Ed. Winterson.	

St. Louis.

STOCK PLENTIFUL.

The weather has warmed up considerably, which has not helped trade. Cool weather seems to get people to look around and take notice. Then they want flowers but when warm and

CHICAGO'S GREAT FALL Flower Show

TO BE HELD AT

The Coliseum

Nov. 7-12 Inclusive

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Telephone: Washington Heights 454.

CHICAGO.

GEO. ASMUS, Manager,
2223 West Madison St.,

Telephone: West 822.

CHICAGO.

Manager's Downtown Office Will Be Opened Next Week.

sultry they do not want to buy and say, "what is the use, flowers don't keep?" Store openings have given a little impetus to the plant trade and the decorators have been kept busy. Not until we get a good frost and people feel a touch of winter can any marked revival in trade be expected. Everything seems to be plentiful. There has been a very large supply of carnations, also of roses. The warm weather opens Richmonds, Killarney and even American Beauties up quickly. A few dahlias are seen but not many of the fancy varieties.

NOTES.

A large number of carnations and American Beauty roses were used here during the visit of Cardinal Vannutelli. The reception by the Knights of Columbus and at the Sacred Heart Convent called for quite a few red roses. Many flowers were sent to Archbishop Glennon's house where the cardinal was housed during his visit. At the churches where the cardinal said mass the altars were beautifully decorated with the papal and cardinal colors. White Killarney, Perle roses and white and yellow chrysanthemums formed the papal colors. Chas. Beyer had the decorations at the cathedral chapel. Foliage plants filled the sanctuary and the altars were beautifully decorated with wild smilax, white Killarney and Perle roses. Geo. Waldbart had the decorations at the home of Archbishop Glennon. Large bunches of white and yellow chrysanthemums formed the papal colors, huge vases of American Beauties, the cardinal colors. George also had the decorations at Sacred Heart Convent. He provided large bunches of white and yellow chrysanthemums and American Beauties which were presented to the cardinal by the school children. Ostertag Bros., F. H. Weber and almost every florist had

CUT FLOWERS

AM. BEAUTY,	Per doz.
Long stem.....	\$3.00 to \$4.00
24 to 30 in. stem.....	2.00 to 3.00
18 to 24 in. stem.....	1.50 to 2.00
12 to 15 in. stem.....	1.00 to 1.25

ROSES—Killarney, My Maryland, Richmond, White Killarney, Perle.	Per 100
Select.....	\$8.00
Medium.....	\$5.00 to 6.00
Short.....	3.00 to 4.00
Special stock billed accordingly.	

CARNATIONS—Common, short	\$1.25 to \$1.50
Select, fancy.....	2.00 to 3.00

Chrysanthemums, Golden Glow, yellow: October Frost, white	Per doz.
.....	\$1.50 to \$2.50
Orchids, Cattleyas, p.r. doz.	\$7.50
Herrisii Lilies,.....	Per 100
.....	\$12.00 to \$15.00
Valley,.....	Per 100
.....	3.00 to 4.00
Gladioli,.....	Per 100
.....	3.00 to 5.00
Plumose Sorays, Sprenger,.....	Per 100
.....	2.00 to 3.00
Plumose Strings, extra long, per string.....	Per 100
.....	60¢
Smilax, per doz.....	\$1.50 to \$2.00
Galax, per 1000.....	\$1.00
Ferns, fine, new, per 1000.....	\$1.50
Adiantum Croweanum,.....	75 to 1.00

WEILAND & RISCH

WHOLESALE
GROWERS AND SHIPPERS

SHIPMENTS EVERYWHERE

CUT FLOWERS

IMMEDIATE DELIVERIES

59 WABASH AVE.
CHICAGO

PHONE CENTRAL 879

something to do with the reception afforded the cardinal.

The Eggeling Floral Co., who suffered severe loss during the late freeze in April are getting in shape again nicely and expect good crops in chrysanthemums and carnations. Their greenhouses are six in number, 30x250 feet each, and are under the management of Jabez P. Gadd who puts his heart and soul in rebuilding the place. The losses from the freeze were very heavy, \$1,400 worth of bedding stuff,

\$700 to replace the carnation cuttings, and \$3,000 worth of chrysanthemums. He has now on hand 25,000 chrysanthemums, over 11,000 carnation plants. He has also quite a large stock of nursery plants.

While Gus Eggeling, of the Eggeling Floral Co., was returning in his automobile from his greenhouses Saturday evening at Kinloch, Mo., accompanied by his negro chauffeur, he was twice held up by masked men concealed at the side of the road but each

Get The Habit

of buying your **BEAUTIES** where you can always be sure of getting the best and at all seasons. We handle **Dittmann's New Castle Stock**, which ought to be a guarantee to any buyer who is looking for quality. For a general stock of **Roses, Carnations and Green Goods**, you will always find us right.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$3 00
31-inch stems.....	2 50
24 inch stems.....	2 00
20-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
	Per 100
Richmond, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00

	Per 100
Ktharney, fancy.....	\$8 00 to \$ 0 00
select.....	6 00
medium.....	4 00 to 5 00
Bridesmaid.....	4 00 to 5 00
Bride, fancy.....	8 00 to 10 00
medium.....	4 00 to 5 00
My Maryland, select.....	8 00 to 10 00
medium.....	4 00 to 5 00
Chatenay.....	5 00
Ivory.....	5 00

Gladstoll, named varieties.....	Per 100
in mixture.....	\$4 00 to \$6 00
1 50 to 2 00	
Roses, our selection.....	3 00
Carnations.....	1 50 to 3 00
Valley.....	3 00 to 4 00
Easter Lilies.....	12 00 to 5 00
Strengerl.....	25c to 35c per bunch
Asparagus Plumosus,	
extra quality per bunch.....	35c to 50c
Fancy Ferns,	
per 1000.....	\$1 50

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

time put on steam and escaped the bullets which were shot after him. The county is aroused and will deal quickly with the culprits if caught.

Grimm & Görlly had the decorations at the anniversary opening of Werner & Werner, furnishing goods store. The upper windows on the outside were filled with window boxes, very tastefully arranged by Mr. Geiger. Several hundred yards of laurel was used in interior decorations. Many bunches of American Beauty roses adorned the different departments.

Park Commissioner Scanlon has returned from the east where he has spent three weeks. He has made investigations on road and park conditions and thinks favorably of introducing these ideas in the city, especially the outer park district. There is also talk of establishing a first-class zoological garden in Forest park.

A severe hail storm passed over St. Louis at 3 a. m. September 26. Damages to greenhouses are reported but not so severe. C. Young & Sons Co. had about 50 panes of glass broken. Slight damage at Sanders Nurseries and at Alex. Waldbart & Sons.

Everything at A. Jablonsky's place is planted and a fine stock of roses and carnations will be on hand this fall and winter. Mr. Jablonsky has always been one of our most successful growers.

We are glad to announce that Mrs. John Steidle has sufficiently recovered from her illness to go to her home. She expects to be fully convalescent in a few days.

At John Steidle's everything is in fine shape. Carnations are improving daily. His stock in roses is disposed of entirely by F. C. Weber.

Mrs. Chas. Schoenle is at Kansas City on a visit to her aunt. Charlie is keeping bachelor's home. W. F.

Louisville.

Chas. Rayner, formerly of Louisville, now employed at the McCoy greenhouses at Seattle, Wash., is delighted with the climate there and writes expressing wonder at the way things grow out there: Sun-flower stalks twenty-five feet high, carnation plants doing service three years or more without replanting and producing fine carnations with stems two and three feet long at this season. He also reports that he has recovered his health and spirits and feels like a new man.

"THE BUSIEST HOUSE IN CHICAGO."

IT IS well to be satisfied, but sometimes satisfaction means a loss of money because contentment dulls the perception to such an extent that one does not realize he might make more money and be better satisfied.

We don't want your trade on promises. We simply ask you to let us show you what we can give you for your money, and we know that this will insure your business.

J. B. DEAMUD CO.,

51 Wabash Avenue, CHICAGO.

Frank Dieterich, of the firm of Dieterich Bros., of Maysville, was recently in Louisville on business. He says he is going to make a change and go out west and start in business and build some greenhouses. He thinks of locating in Oklahoma City. He will be missed in Maysville, as he is prominent in politics there and president of the board of councilmen.

Anders Rasmussen's new houses are getting their finishing touches and are being planted in carnations. The outside walls are of concrete and are built on the most up-to-date plans, with some entirely new ideas of his own invention and the entire new plant of 50,000 feet of glass was built by and under his personal supervision.

Nanz & Neuner will remove to their new store about October 1. The new store is three stories high and will have a conservatory in the rear. This firm is the oldest in Louisville, being in existence over fifty years. They won the silver cup for the best floral design at the state fair in a very close competition with other florists.

Wm. Walker is making a display in his windows of a fine collection of dahlias. His greenhouses are in fine trim and his roses, carnations and chrysanthemums are looking fine. He also has a fine lot of Cyclamen plants that are extraordinarily fine and will bring fancy prices.

Jacob Schulz has had a large electric sign made in the lot adjoining the post office. It is very large and has an immense American Beauty rose bud and the words, "Jacob Schulz, The Florist Across the Street." He is the only florist using street car advertising in the city.

F. Walker and Jacob Schultz are using orchids in their window displays. These flowers are finding a ready sale and a good demand for the coming season is promised.

Nelson Morton is sending in quantities of fine dahlias from the floral establishment he bought of Geo. Thompson.

F. Walker & Co. have completed their rebuilding one house, 20x150, and two smaller houses.

Mrs. C. B. Thompson, who was sick with malarial fever, has recovered. H. G. W.

Baltimore.

A LONG CONTINUED DROUGHT.

The strip of territory, narrow by comparison, but which includes the entire watershed from which is received the water supply of Baltimore and its suburban dependencies (towns of considerable size, which it ought to be known are not included in the figures of its population as determined and published by the census department) is still as dry and dusty as the desert of Sahara, and out-of-doors crops, field and garden, are parched and in many cases absolutely destroyed. The churches and ministers are taking a hand and offering supplication for rain, but so far their prayers have no response. It is curious how small a distance separates the area which has so long been rainless from that where moderate if not abundant precipitation has been the rule. The usual supply of out-door stuff which at this season overwhelms the markets is this year lacking, and the very poor quality of what comes in is palpable. S. B.

Cut Flowers * E. H. HUNT *

FOR ALL OCCASIONS. — SEND FOR PRICE LIST. —
FLORISTS' SUPPLIES TOO. 76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.
Store: 51 Wabash Avenue CHICAGO
Mention the American Florist when writing

Percy Jones

60 Wabash Ave., CHICAGO

Minnesota State Fair.

See Awards.

Fifty decorative plants—Holm & Olson, first; Maples Floral Co., second; A. S. Swanson, third; John Vasatka, fourth.
Specimen kentia—Holm & Olson, first; A. S. Swanson, second; John Vasatka, third; Maples Floral Co., fourth.
Specimen lantana—A. S. Swanson, first; Holm & Olson, second.
Specimen phoenix carariensis—Holm & Olson, first; Maples Floral Co., second.
Specimen phoenix, any other variety—Holm & Olson, first; Maples Floral Co., second.
Specimen pandanus veitchi—Holm & Olson, first; Maples Floral Co., second.
Any other decorative plant—Holm & Olson, first; A. S. Swanson, second; Maples Floral Co., third; J. Vasatka, fourth.
Pair bay trees, standard—Maples Floral Co., first; Holm & Olson, second; A. S. Swanson, third.
Pair box trees, pyramid—Maples Floral Co., first; Holm & Olson, second; John Vasatka, third.
Specimen Boston fern—Maples Floral Co., first; Holm & Olson, second; Hiawatha Gardens, third; A. S. Swanson, fourth.
Specimen fern, crested nephrolepis—Holm & Olson, first; A. S. Swanson, second; Hiawatha Gardens, third; John Vasatka, fourth.
Specimen fern, any other variety—Maples Floral Co., first; Holm & Olson, second; A. S. Swanson, third; John Vasatka, fourth.
Six ferns, distinct varieties—Holm & Olson, first; A. S. Swanson, second; Hiawatha Gardens, third; Maples Floral Co., fourth.
Two hanging basket ferns—A. S. Swanson, first; Holm & Olson, second; Maples Floral Co., third; J. Vasatka, fourth.
Fern dish filled, 10 inches in diameter—Holm & Olson, first; Maples Floral Co., second; Hiawatha Gardens, third; J. Vasatka, fourth.
Fifteen fancy leaved caladiums—Holm & Olson, first.
Twelve coleus, not less than six varieties—Holm & Olson, first; John Vasatka, second.
Six coleus, not less than three varieties—Hiawatha Gardens, first; Holm & Olson, second; John Vasatka, third.
Flowering Plants.
Twelve begonias—Holm & Olson, first; Hiawatha Gardens, second; John Vasatka, third.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Sept. 28.		
Roses, Beauty, extra select ...	3 50	
.. .. specials.....	3 00	
.. .. 36 in	2 50	
.. .. 30 in	2 00	
.. .. 18 in	1 50	
.. .. 15 in	1 25	
.. .. Short	1 00	
		Per 100
.. .. Bride. Bridesmaid, select..	3 00@	8 00
.. medium	2 00@	2 50
.. .. Killarney, select.....	3 00@	10 00
.. medium and short	2 00@	2 50
.. .. Kaiserin.....	3 00@	10 00
.. .. Mrs. Jardine	3 00@	10 00
.. .. Chateau.....	2 00@	10 00
.. .. My Maryland.....	2 00@	10 00
.. .. Perle	2 00@	10 00
.. .. Richmond	3 00@	10 00
.. .. Uncle John	3 00@	10 00
.. .. White Killarney, select....	4 00@	10 00
.. medium	2 00@	3 00
Carnations.....	1 00@	5 00
Asters.....	50@	3 00
Chrysanthemums... per doz.,	2 00@	3 00
Cattleyas..... per doz.,	4 00@	6 00
Dahlia.....	2 00@	4 00
Gladioli.....	3 00@	5 00
Lilium Harrisii .. per doz.,	2 00	10 00@12 00
Lily of the Valley	2 00@	4 00
Mexican Ivy	75@	1 00
Adiantum .. per 100.	75@	1 50
Asparagus Plum. strings, each.	60@	75
.. .. sprays.....	3 00@	4 00
.. .. Sprengeri	3 00@	4 00
Ferns..... per 1000.	1 00@	1 50
Smilax	1 50@	2 00

Six begonias—Holm & Olson, first; Hiawatha Gardens, second; John Vasatka, third.
Twelve lilies, not less than three varieties—John Vasatka, first.
Twenty-four geraniums, not less than six varieties—John Vasatka, first.
Thirteen geraniums, not less than three varieties—John Vasatka, first.
Twelve roses—Holm & Olson, first; Maples Floral Co., second.
Cut Flowers.
Twelve American Beauty roses—A. S. Swanson, first.
Twenty-five Richmond roses—Maples Floral Co., first.
Twenty-five Pink Killarney roses—A. S. Swanson, first; Maples Floral Co., second.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given — prompt attention.

51 Wabash Ave., CHICAGO.
Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN
— AT THE —

Flower Growers' Market
60 Wabash Ave., CHICAGO.
A Few Desirable Stands For Rent.
See JOHN SINNER, Manager

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our price list regularly send for it.

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Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.
Long Distance Phone, Randolph 3619.

Twenty-five Kaiserin roses—Maples Floral Co., first; A. S. Swanson, second.
Twenty-five White Killarney roses—A. S. Swanson, first; Maples Floral Co., second.
Twenty-five any other variety roses—A. S. Swanson, first.
Twenty-five gladioli spikes, one variety—Holm & Olson, first.
Twelve spikes hydrangea paniculata grandiflora—Holm & Olson, first.

Floral Designs.

Basket cut flowers, not to exceed 20 inches in diameter—Holm & Olson, first; Maples Floral Co., second; A. S. Swanson, third; R. A. Latham, fourth.
Table decoration, table not to exceed 40 square feet, and to be furnished by exhibitor, to be kept fresh until close of fair, nothing but flowers to be considered by judges—A. S. Swanson, first; Holm & Olson, second; Maples Floral Co., third; R. A. Latham, fourth.
Wreath on easel, not to exceed 24 inches—Maples Floral Co., first; Holm & Olson, second; A. S. Swanson, third.
Panel design, not to exceed 30 square feet—Holm & Olson, first; A. S. Swanson, second; R. A. Latham, third.

Of Special Interest to Retailers Is Our Offer in

EASTER LILIES

\$1.50 per dozen; \$10.00 per 100. Thoroughly reliable stock in every respect. We have Lilies every day in the year, and can furnish them in most any quantity on short notice.

Commencing October 3rd will be open every day until 8 p. m.

THE LEO NIESSEN CO.**BRONZE GALAX**

\$1.00 per 1000; \$7.50 per case.

A STAPLE ARTICLE YOU USE EVERY DAY.

The stock we offer is of an unusual good quality. Try a case.

1209 Arch St., Philadelphia, Pa.**JOHN W. McINTYRE,****Wholesale Florist, 1601 Ranstead St., PHILADELPHIA, PA.****A GOOD MARKET HERE FOR GOOD FLOWERS.**

I would like to hear from good growers who have first-class stock.

Good Prices and Prompt Returns**American Beauties****Lily of the Valley, Carnations and all Tea Roses,**

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 St. Boston, Mass.**Asparagus Plumosus Nanus****Extra large, heavy strings 50c each.****W. H. Elliott, Brighton, Mass.****Philadelphia.****BUSINESS IMPROVING.**

Though the weather sharps have sent out warnings of storms to come, we are moving along serenely, with Old Sol wearing the smile that won't come off—at least it hasn't at this writing. Business continues to improve, though slowly. The dahlias continue to be a feature of the market. They are not over plentiful and very good prices are being realized. It is said by experts that a soaking rain would greatly increase the supply. It seems to be a toss-up between rain and Jack Frost as to the future supply of dahlias. Orchids are not very plentiful, but there is not a heavy demand; nevertheless prices keep up to stiff figures. The demand for American Beauty roses is limited. Of the tea roses, the Killarneys are most noticeable, and there are some fine ones, for the season, on the market. Carnations of very good quality continue to come in but they will soon be eclipsed by the chrysanthemums. The asters are in the sere and yellow leaf and the gladioli are has-beens.

Boston.**STOCK PLENTIFUL.**

A quiet week at the Park street markets, but ending up with a Saturday rush. Growers came stringing in with their boxes of stuff and buyers were on hand with cash. The first white frost, September 23, was reported, both at the Dahlia show and the market. Not serious. Pinks are of course more plentiful. A. Christensen, Stoneham, is making a good cut. Robt. Dougherty has been shipping in a fine stock of Fair Maids. John Foote, Reading, held up some bunches of Beacon with very long stems, and was proud of some Bouvardia Humboldtii he had brought in. E. Wood, Lexington, has completed another cement bottom house for pinks. Besides Golden Glow mums the market now shows the pink Montmort and two whites,—October Frost and Bergman. J. H. Leach & Son, N. Easton, cut twelve dozen mums one day this week, mostly white. F. J. Dolansky, Lynn, is cutting 7-12 dozen Golden Glow daily. Roses plentiful. At Stickel's stall there were some yellow Ward roses, among the rest. M. J. Aylward, Woburn, has been shipping in an excellent stock of Bridesmaid. In violets, Harry Wood, Brookline, is specially men-

Wholesale Flower Markets

PHILADELPHIA, Sept. 28.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Asters.....	75@ 3 00	
Cattleyas.....	50 00@75 00	
Dahlias.....	1 00@ 3 00	
Gladioli.....	2 00@ 4 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappedragons.....	4 00@ 8 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURGH, Sept. 28.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" extra.....	8 00@12 00	
" No. 1.....	4 00@ 6 00	
" Bride Bridesmaid.....	1 00@ 6 00	
" Chatenay.....	1 00@ 6 00	
" Killarney.....	1 00@ 6 00	
" My Maryland.....	1 00@ 6 00	
" Richmond.....	1 00@ 6 00	
Carnations.....	1 00@ 3 00	
Asters.....	1 00@ 2 00	
Chrysanthemums... per doz., 1 50@ 2 00		
Dahlias.....	1 00@ 2 00	
Gladioli.....	2 00@ 5 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch, 50		
strings... per string, 50		
sprays... per bunch, 50		
Smilax.....	15 00	

tioned. W. E. Turner, Woburn, showed the first new stock pansies. J. T. Gale, Tewksbury, wins praise for his double violets.

Pittsburg.**STOCK GROWING SCARCE.**

There is nothing startling in the market. Business continues pretty good. Asters and carnations are very scarce; the former are just about done. This is a trifle earlier than usual, consequently there will be a scarcity of stock until carnations come in heavier. Roses are more plentiful and help out nicely. Beauties and lilies are coming in in larger quantities. Violets have made their appearance but do not amount to much, as it is a little too warm to ship good. Valley is still very scarce.

NOTES.

E. C. Ludwig, North Side, recently purchased an eighty-acre farm near Butler which he intends to devote to raising flowers.

FINE**Asters and Gladioli****THE McCALLUM CO., Inc.,****937 Liberty Ave., PITTSBURGH, PA.****Pittsburgh Cut Flower Company****WHOLESALE GROWERS****222 Oliver Ave., PITTSBURGH, PA.****Asters, Gladioli, Beauties,****Roses, Sweet Peas.**

All seasonable flowers.

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"Honesty Our Motto." Try Us.

Jos. Haube, Charlevoix, Pa., is putting up some more new houses and is making the plant business his specialty.

Geo. Nixon, Pittsburg, has gone in partnership with Geo. Basle, Wheeling, W. Va., and will open a flower store there.

J. Weimer & Sons, Verona, Pa., have given up their store, confining their business to the greenhouses.

W. F. Kasting, Buffalo, N. Y., was a visitor in town today, making the trip overland in his auto.

G. H. Weaklin & Co., are getting their store in shape for their opening day, October 1.

Visitors: Edw. Weimer, Verona; Geo. L. Huscroft, Steubenville, Ohio; Dilloff of Schloss Bros., New York.

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**Pittsburgh Cut
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FLORISTS AND GROWERS

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HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Sept. 28.		Per 100
Roses, Beauty, best	20 00	25 00
" medium	12 00	15 00
" culis	2 00	4 00
Bride, Bridesmaid	1 00	4 00
" Extra	5 00	8 00
Killarney and Richmond	1 00	6 00
My Maryland	1 00	8 00
Carnot	2 00	8 00
Carnations, select	1 00	2 00
" fancy	2 00	3 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Chrysanthemums	8 00	25 00
Gardenias	16 00	25 00
Lilium Longiflorum	6 00	8 00
Lily of the Valley	2 00	4 00
Violets	50	75
Smilax	12 00	16 00

ST. LOUIS, Sept. 28.		
Roses, Beauty, long stems	15 00	20 00
" medium stems	8 00	10 00
" short stems	2 00	4 00
Bride, Bridesmaid	2 00	5 00
Killarney	3 00	4 00
My Maryland	3 00	4 00
Richmond	4 00	
Carnations	1 50	2 00
" fancy	2 50	
Asters	1 00	3 00
Easter Lilies	8 00	10 00
Adiantum	1 00	
Asparagus Sprenger	2 00	3 00
Smilax	12 50	15 00

CINCINNATI, Sept. 28.		
Roses, Beauty	1 00	3 00
Bride, Bridesmaid	2 00	6 00
Golden Gate	2 00	6 00
Killarney	2 00	6 00
Richmond	2 00	6 00
Carnations	1 00	3 00
Callas	10	
Daisies	50	
Lilium Longiflorum	10 00	12 50
Lily of the Valley	3 00	4 00
Adiantum	1 00	1 50
Asparagus Sprenger, per bch.	25	
Smilax	12 50	15 00
Gladiola	3 00	4 00

MILWAUKEE Sept. 28.		
Roses, Beauty, per doz.	5 00	3 00
Bride Bridesmaid	3 00	6 00
Killarney	3 00	8 00
Richmond	3 00	6 00
Carnations	2 00	3 00
Asters	1 0	2 00
Gladioli	3 00	5 00
Lilium Giganteum, per doz.	2 00	12 50
Lily of the Valley	3 00	4 00
Magnolia	35	
Snapdragon	2 00	4 00
Adiantum	1 50	
Asparagus, per string	50	60
" Plumosa, per bunch	35	50
" Sprenger	35	
Ferns, Fancy	per 1000,	1 50
Galax	per 1000,	1 50
Smilax	per doz.,	1 50

Buffalo.

STOCK SCARCE.

Ideal fall weather and trade has been fair. Stock is not plentiful. Carnations and roses are scarce. Chrysanthemums are here but quality only fair. Gladioli and asters are getting poor. Gaillardia has filled in for cut flowers and is certainly a good fall flower. It should be handled more than it is. Tritomas have been a decided novelty in window work and a good seller. There have been quite a number of weddings this month which have taxed the florist to get fine stock. Funeral work has been unusually good.

NOTES.

The flower show, which will be held in Convention Hall on November 2-4, promises to be a big hit. The hall plan is something entirely new in arrangement. Each exhibitor will have an opportunity to show his flowers and not have any chance of their being mixed with others. Growers, with an

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exhibit of their new chrysanthemums, will be well repaid. The hall committee will have a plan to mail within a week or so which will be well worth looking into. The hall is large and every convenience will be given for the care of flowers sent for exhibition. Any information wanted regarding the hall before the circular, can be had from Geo. McCline, Jr., 892 W. Delaware avenue. BISON

New York.

SIGNS OF AUTUMN.

Business of the past week has been all that could be expected for this season of the year, the market showing a good deal more snap than it has for some time past. Gladioli are about over and asters, while still a drug on the market, are not arriving in such profusion as hitherto. Killing frosts are expected soon in the outlying districts, which will eliminate the aster crop entirely before long. Some fine mums are arriving and a few branches of autumn foliage have been noticed on the market, which is generally considered a harbinger of the opening in earnest of the fall season. Some good roses are now arriving and are bringing a fair price, while lilies are bringing in some instances as high as 12 cents for specimen blooms. Carnations are arriving in better condition every day. Some good sweet peas are coming in. Orchids are still quite scarce. An occasional shipment of violets are arriving but are not to be depended upon and are of poor quality yet.

NOTES.

The New York horticultural import houses receive and ship some peculiar horticultural products sometimes. When we visited McHutchison & Co., the New York import house, recently, they were exporting a consignment of 300,000 galax leaves to Europe; they also had just received a consignment of 215 bags of English soil to be used for growing rhododendrons in this country. Their regular shipment of plants, bay trees, etc., from Belgium consisted of 429 packages, most of which went in carload lots to the Pacific coast and other far distant points.

At a meeting held in the office of F. H. Traendly, it was decided to change the name of the New York Florists' Bowling Club to the New York Florists' Club Bowling Association. G. W. Scott was elected vice president at this meeting. All members of the Florists' Club are eligible to membership in this association, on payment of \$6.00 for the season of seven months or \$1.00 per month, payable in advance. Address all communications to J. A. Shaw, Secretary, P. O. Box 545, N. Y. City, or J. B. Nugent, Jr., Treasurer, 42 West Twenty-eighth street.

The officers of the Florists' Club have decided to make October 10 ladies' night and extend a cordial invitation to them to come and hear J. Horace McFarland lecture on "The Florist and Town." It is also requested that the gentlemen refrain from smoking, particularly during the lecture, as it interferes with the views and also the speaker's throat. John B. Nugent of the house committee will make special arrangements for the occasion.

Wm. P. Ford is now open for business and is receiving considerable stock among which some very fine mums are noted. He has engaged S. C. Hopkins, who was for three years head book-keeper for A. J. Guttman, to take charge of his office September 26. Also Wm. Mack, for seventeen years in the wholesale business, as head man on the floor.

G. H. Stuber, florist, of Woodlawn, is building a new greenhouse, 20x85, on his Yonkers, N. Y., place, in which he intends to grow Easter stock this season.

American Institute Dahlia Show.

The seventy-ninth fair and dahlia show of the American Institute of New York was held in the Berkeley Lyceum building, 19-20 West Forty-fourth street, September 20-22 and, according to Manager Rickards, was most successful. The attendance being about the average and taking into consideration the weather, which was unusually

warm, was all that could be expected. The exhibit of Harry Turner and A. J. Manda's collection of foliage and flowering plants attracted considerable attention, as did also the new chrysanthemum blooms exhibited by Chas. H. Totty, of Madison, N. J. The judges were John McNicholls, Wm. Turner, Edward Reagan and Peter Duff. Following is a list of the awards:

DAHLIAS.

Professional class. Competition open to commercial growers only.

Best collection of 50 varieties, one flower of each—Wm. P. Lathrop, first; W. D. Hathaway, second.

Best collection of 25 varieties, one flower of each—H. F. Burt, first; Wm. P. Lathrop, second.

Best collection of 10 varieties, one flower of each—Wm. P. Lathrop, first; W. D. Hathaway, second.



At the Dahlia Show.

The Manager's Class is Not in the List of Awards, but this Exhibit is Well Worth Special Mention.

Best display of single dahlias—J. T. Lovett, first; H. T. Burt, second.

Best display of cactus dahlias—John K. Alexander, first; Geo. L. Stillman, second.

Best display of pompon dahlias—Wm. P. Lathrop, first; H. T. Burt, second.

Amateur class. Competition open to non-commercial growers only.

Best collection of 50 varieties, one flower of each—H. W. J. Bucknall (Geo. Barton, gardener), first; E. D. Andrews (Geo. H. Hale, gardener), second.

Best collection of 25 varieties, one flower of each—Walter M. Gray, first; Geo. Barton, second.

Best collection of 12 varieties, one flower of each—Geo. Barton, first; Geo. N. Hale, second.

General class. Competition open to all.

Best vase, 25 blooms, show dahlias, yellow, one named variety—Wm. P. Lathrop, first; J. T. Lovett, second.

Best vase, 25 blooms, show dahlias, white, one named variety—Geo. L. Stillman, first; Wm. P. Lathrop, second.

Best vase, 25 blooms, show dahlias, pink, one named variety—W. D. Hathaway, first; G. W. Young (Jas. Kenny, gardener), second.

Best vase, 25 blooms, show dahlias, any other color, one named variety—Geo. L. Stillman, first; Henry Goldmeyer (Anthony Bauer, gardener), second.

Best vase, 25 blooms, decorative dahlias, yellow, one named variety—J. T. Lovett first.

Best vase, 25 blooms, decorative dahlias, white, one named variety—Wm. P. Lathrop, first.

Best vase, 25 blooms, decorative dahlias, pink, one named variety—Geo. L. Stillman, first; J. T. Lovett, second.

Best vase, 25 blooms, decorative dahlias, any other color, one named variety—J. T. Lovett, first; Max Schneider, second.

Best vase, 25 blooms, cactus dahlias, yellow, one named variety—J. T. Lovett, first; Geo. L. Stillman, second.

Best vase, 25 blooms, cactus dahlias, white, one named variety—Geo. L. Stillman, first.

Best vase, 25 blooms, cactus dahlias, pink, one named variety—J. T. Lovett, first; Wm. P. Lathrop, second.

Best vase, 25 blooms, cactus dahlias, any other color, one named variety—J. T. Lovett, first; H. P. Osborne (Wm. Ingles, gardener), second.

Best 6 varieties, cactus dahlias, 5 blooms each, shown in vases—Wm. P. Lathrop, first; J. T. Lovett, second.

Best display single cactus dahlias, in vases—Geo. L. Stillman, first; H. T. Burt, second.

Best display of pompon dahlias, in vases—H. T. Burt, first; W. D. Hathaway, second.

Best vase of 50 single dahlias—G. W. Young, first; J. T. Lovett, second.

GLADIOLI.

Best collection of 50 named varieties—J. L. Childs, first; J. K. Alexander, second.

Best 25 named varieties—J. K. Alexander, first; J. L. Childs, second.

Best 10 named varieties—J. L. Childs, first; J. K. Alexander, second.

MISCELLANEOUS CUT FLOWERS.

Best 20 varieties of hardy herbaceous named flowers—R. Guggenheimer (Peter Murray, gardener), first; J. T. Lovett, second.

Best collection of annual flowers, not exceeding 12 varieties—W. S. Dowlen, first; R. Guggenheimer, second.

ORNAMENTAL PLANTS.

Best group of flowering and foliage plants, covering a space about 80 square feet, variety and effectiveness to be considered—Howard Gould (Harry Turner, gardener), first; Mrs. H. Irving Pratt (A. J. Manda, gardener), special prize.

ORCHIDS. PALMS. FERNS.

Specimen palm—Mrs. H. I. Pratt, first; H. Gould, second.

Specimen fern—Mrs. H. Irving Pratt, first.

ROSES—CUT BLOOMS.

Best 25 blooms, pink—Wm. Ingles, first; E. H. Weatherby (Francis Milne, gardener), second.

Best 25 blooms, white—Wm. Ingles, first.

Best 25 blooms, red—Wm. Ingles, first.

Best 25 blooms, any other color—Levi P. Morton (W. D. Robertson, gardener), first.

CARNATIONS—CUT BLOOMS.

For best vase, 1 variety, 25 blooms—Geo. H. Hale, first.

VIOLETS.

Best bunch of 100 blooms, single—W. D. Robertson, first.

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NEW YORK, Sept. 28.	
Roses, Beauty, special.....	8 00@20 00
" extra and fancy.....	3 00@ 8 00
" No. 1 and No. 2.....	50@ 2 00
" Bride, Bridesmaid, special.	4 00@ 6 00
" extra and fancy.....	5 00@ 2 00
" Killarney, special.....	4 00@ 6 00
" extra and fancy.....	1 00@ 2 00
" No. 1 and No. 2.....	50@ 1 00
" Kaiserin, special.....	4 00@ 6 00
" extra and fancy.....	2 00@ 3 00
" No. 1 and No. 2.....	50@ 1 00
Carnations.....	1 00@ 2 00
Asters.....	25@ 2 00
Chrysanthemums... per doz..	1 00@ 2 00
Cattleyas.....	50 00@60 00
Dahlias.....	75
Gladioli.....	50@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	4 00@ 5 00
Lily of the Valley.....	1 50@ 3 00

BUFFALO, Sept. 28.	
Roses, Beauty, special.....	20 00@25 00
" fancy.....	15 00@20 00
" extra.....	10 00@15 00
" No. 1.....	7 00@10 00
" No. 2.....	4 00
" Bride Maid, Killarney.....	2 00@ 8 00
" Kaiserin.....	4 00@ 8 00
" Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 50@ 2 50
Asters.....	25@ 1 50
Chrysanthemums, Golden Glow..	10 00@15 00
Dahlias.....	1 00@ 3 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Crowneanum.....	75@ 1 50
Asparagus per bunch.....	35@ 50
Asparagus Sprenger.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	1 50
Galax, green and bronze.....	15 00
Smilax.....	15 00

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First, you can sell them on a good margin.
Second, they "move" quickly,—don't tie up your floor and counter space for long at a time.

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There's money for you in handling our Palms—we can prove it by hundreds of orders who have been our customers for years. Here are our prices, and the stock was never better—let us hear from you NOW.

KENTIA BELMOREANA

Pot	Leaves high	In	Doz.	Each
5-in.	6-7	18	\$6 00	\$50
6-in.	6-7	22-24	\$1 10	\$2
6-in.	6-7	24-26	1 25	15
6-in.	6-7	26-28	1 50	18
Pot or tub				
7-in.	6-7	34-36	2 50	30
7-in.	6-7	36-38	3 00	
7-in.	6-7	40-42	4 00	
Tub				
9-in.	6-7	42-48	\$5 00	
9-in.	6-7	48-54	6 00	
9-in.	6-7	5-ft	8 00	

COCOS WEDDELIANA

Pot	In	high	Per 100
2½-in.	8 to 10	\$10 00	
2½-in.	10 to 12	15 00	

KENTIA FORSTERIANA

Pot	Leaves high	In	Each	Doz
6-5-6	28-30	\$1 00	\$12	
6-6	34-36	1 50	18	

Kentia Forsteriana

Tuber	Plants in	pot	high	Each
7-in.	4	36	\$5	
7-in.	4	36-40	3 00	

Plants

Tub	in	tub	high	Each
9-in.	4	42-48	\$5 00	
9-in.	4	4-ft. h'vy	6 00	

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Ready Now.	Stock limited	Tub	Spr ad	Each
9-in.	4 to 5-ft.	\$6 00		
9-in.	6-ft.	7 50		

PHOENIX ROEBELENI

Pot	Each
5 in	\$1 00
6-in.	1 50
7-in.	2 00

ARECA LUTESCENS

Pot	in pot.	In. high	Each
6-in.	3	24 to 28	\$1 00
7-in.	3	30 to 32	2 00
8-in.	3	36	2 50
8-in.	3	42	3 00

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Sphadnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze\$1.00 per 100; \$7.50 per 1000

Boxwoodper bunch, 35c; 50-pound case, \$8.50

Log Moss, in barrels for hanging baskets\$2.00 per barrel

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FLORIST

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We Handle Everything in Season.

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Will take proper
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Mail, Telephone and Telegraph orders filled
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J. DAN BLACKISTONE

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A. LANGE,

Prompt attention to Steamship orders.
Main Address: Heyworth Bldg 44 E. Madison St.
T Jephones. Central 3777 and 3778.
Agents in all leading European cities.



FROM NEW YORK EXCEPT AS NOTED.
October 4.

New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II, N. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON. Smyrie, White Star, 11 a. m.

October 5.

Campania, Cunard, 10 a. m., Piers 54 and 56, North River.
Oceanic, White Star, 3 p. m., Piers 60 and 61, North River.
Pennsylvania, Ham.-Amer., 11 a. m., Hoboken Pier.
FROM BALTIMORE. Cassel, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

October 6.

La Provence, French, 10 a. m., Pier 42, North River.
Grosser Kurfuerst, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

October 7.

FROM MONTREAL. Tunisian, Allan, 5 a. m.

October 8.

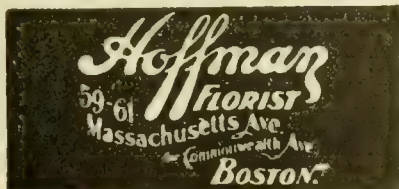
Furnessia, Anchor, 10 a. m., Pier 64, North River.
Perugia, Anchor, Pier 64, North River.
New York, American, 10 a. m., Pier 62, North River.
Olympia, Cunard, 12 noon, Piers 54 and 56, North River.
Lapland, Red Star, 11 a. m., Pier 59, North River.
Celtic, White Star, 12 noon, Piers 60 and 61, North River.
Deutschland, Ham.-Amer., 9 a. m., Hoboken Pier.
Santa Ana, Fabre, 12 noon, Amity Dock.
Berlin, N. Ger. Lloyd, 11 a. m., Hoboken Pier.
FROM MONTREAL. Lake Erie, Allan, Daylight.

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Send flower orders for delivery in

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We Cover All Points in Ohio.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey.

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FRANK F. CRUMP,

Wholesale and Retail Florist.

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Anderson Floral Co., The, 583 Marshall Ave., Anderson, S. C.

Anderson, S. A., 440 Main St., Buffalo, N. Y.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Baer, Julius, 138 E. Fourth St., Cincinnati.

Bertermann Bros. Co., 241 Mass. Ave., Indianapolis, Ind.

Blackstone, 14th and H Sts., Washington, D. C.

Boland, J. B., 60 Kearney St., San Francisco, Calif.

Breitmeyer's Sons, John, Miami and Gratiot Aves., Detroit, Mich.

Cleveland Cut Flower Co., The, Cleveland, O.

Clark's Sons, David, 2139 Broadway, New York.

Cooke, Geo. H., Conn. Ave. and L St., Washington, D. C.

Crump, Frank, Colorado Springs, Colo.

Daniels & Fisher, Denver, Colo.

Dards, 44th and Madison Ave., New York.

Dunlop's, 96 Yonge St., Toronto, Can.

Eyres, 11 N. Pearl St., Albany, N. Y.

Fisher, H. A., Kalamazoo and Battle Creek, Mich.

Galvin, Thos. F., Inc., 124 Tremont St., Boston.

Gasser Co., The J. M., Cleveland, O.

Gude Bros., Washington, D. C.

Heinl & Son, John G., 129 So. 7th St., Terre Haute, Ind.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Hoffman, Florist, 59-61 Mass. and Commonwealth Aves., Boston.

Holm & Olson, St. Paul, Minn.

Keller Sons, J. B., 25 Clinton Ave., N., Rochester, N. Y.

Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

Lange, A., 44 E. Madison St., Chicago.

McConnell, Alex., 571 5th Ave., New York.

McKenna, Montreal, Can.

Malandre Bros., 2094 Broadway, New York.

May & Co., L. L., St. Paul, Minn.

Matthews, 16 W. 3rd St., Dayton, O.

Murray, Sam'l, 913 Grand Ave., Kansas City, Mo.

Myer, Florist, 609 Madison Ave., New York.

Park Floral Co., The, Denver, Colo.

Palmer & Son, W. J., 304 Main St., Buffalo, N. Y.

Phillips, John V., 272 Fulton St., Brooklyn, N. Y.

Pollworth Co., C. C., Milwaukee, Wis.

Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.

Rock Flower Co., Wm. L., Kansas City, Mo.

Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.

Shaffer, 14th and I Sts., N. W., Washington, D. C.

Smith, Henry, Grand Rapids, Mich.

Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.

Weber, F. H., Boyle and Maryland Aves., St. Louis, Mo.

Walker & Co., F., 634 4th Ave., Louisville, Ky.

"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.

Wittbold Co., Geo., 737 Buckingham Pl., Chicago.

Wolfskill, J. W., 218 W. 4th St., Los Angeles, Calif.

Young's, 1406 Olive St., St. Louis, Mo.

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'Penn, The Telegraph Florist'

Telegraph us and we will reciprocate. We cover all points in New England.

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Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in

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Orders for delivery in this city and every city in United States and Europe solicited by

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Successor to Chas. W. Reimers.

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D. C.**

Gude's

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORISTS.

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Rochester Phone 506. Long Dis. Bell Phone 1100

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Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
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Atlanta Floral Co.

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593 MARSHALL AVE.

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Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

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N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julian Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids, Mich.—Henry Smith.

Indianapolis—Berterman Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Montreal—McKenna.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—Alex. McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

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St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

Terre Haute, Ind.—John G. Heini & Son, 129 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L.

Washington—Gude Bros.

Washington—Geo. C. Shaffer, 14th and I Sts.

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571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Members Florists' Telegraph Association.

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Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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Matthews,
—FLORIST—
16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phone

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HOLM & OLSON,
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

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Los Angeles, Calif.

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FLORIST,

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A Specialty, 218 W. 4th St.

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Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

THE Ohio crop of sweet corn is very disappointing.

RED TOP prices show considerable advance over those of last year.

HOLLAND BULBS are smaller than usual this year but moving off briskly.

GET busy now with your 1911 catalogue work—this is about the last date for taking photographs.

CHICAGO.—Prices on the board of trade September 28 for grass seed were noted as follows: Timothy, \$7.50 to \$8.75 per 100 pounds. White clover from \$20 to \$25.

BOSTON, MASS.—There is a feeling on South Market street that the fruit and vegetable end of the autumn exhibit at Horticultural Hall is not what it used to be. Here is where the subject of a more distributive policy of using the Society's money for awards finds its loyal agitators.—W. T. H.

SOME growers at Chicago are complaining that onion seed, supposedly California grown, is turning out a product which proves that the seed planted must have been imported and of the New Queen variety. If California growers are guilty of such practices they will soon kill their trade.

NEW YORK.—Alfred Emerich, representing Messrs. Vilmorin, Andrieux & Co., Paris, France, is expected to arrive in this city about October 1, per S. S. La Provence, on his annual visit to the American seed trade. During his stay here his headquarters will be care H. Frank Darrow, 26 Barclay street, New York.

A. LE. COQ & Co., Darmstadt, Germany, in their annual report on grass seeds, issued September 10, say "the crops are on the whole by no means satisfactory. The early part of spring was unfavorable to the plants, night frosts in May and the large quantity of rain we had during summer have checked the development of the seeds and have been most deleterious during harvest time."

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

VISITED CHICAGO.—A. R. Chesmore, of the Chesmore-Eastlake Mer. Co., St. Joseph, Mo. Thos. Madsen, New York, and J. W. Edmundson, representing the Braslan Seed Growers' Co., San Jose, Calif.

California Beans.

Ventura, Calif., September 20.—We are now having good drying weather. There will apparently be very little damage to the bean crop on account of the storm last week. The Henderson bush limas are shattering out some and there will be some loss on that account. HOGUE-KELLOGG Co.

Conviction Under English Fertilizers Act.

Robert Fussell, dealer and artificial manure merchant, was summoned at the petty sessions for selling artificial turnip and mangold manures deficient in potash compared with the invoice, the proceedings being instituted by the Wiltshire county council. The prosecution proved that the manure, though stated to contain 2 per cent of potash, actually only contained a half per cent. For the defense it was urged that, though there was a deficiency of 1½ per cent of potash, it was more than compensated by the excess of other ingredients. The bench imposed a fine of five pounds and thirteen shillings court fees, and allowed five pounds, five shillings costs to prosecution, making a total penalty of 10 pounds, 18 shillings.—Horticultural Advertiser, September 14.

California the World's Seed Garden.

In 1793 Cooper, Tabor & Co., of London, Eng., offered to the public seven varieties of sweet pea seed. Today the same firm offers, from a complete list, at least 700 varieties and the majority of them came, originally, from California. "Truly the world turns round."

S. B. Dicks, of the firm of Cooper, Tabor & Co., said as much this morning and, although not audible, the trace of a sigh escaped the lips of a man who has written the history of the sweet pea and is an authority on horticulture. Mr. Dicks is making his annual tour of the United States in the interest of his firm. Incidentally, one member of the firm has visited the United States for the past 82 years, without exception. Nowadays the tour is not complete without a visit to California.

"The time was," Mr. Dicks said this morning, "when England sent seed to California. Now California is sending seed to Europe and that is why I say the world is turning round. At one to England for the seeds that were time California was sending its money

necessary in its development. Now we are sending our money here for seeds that we distribute to the world.

"There are three special kinds of seeds in which the trade of Europe has been transferred to California, and to Los Angeles, I may say. First, there is the lowly onion. The onion is grown to greater perfection in California than in any other state of the Union or in Europe. At one time we drew upon the East for our supply of onion seed, but now we are coming to California and to Los Angeles. California has given the East a knockout blow, so far as onions go.

"Second, there is the seed of the lettuce. Lettuce is grown by the hundred thousand pounds in this state, I find. The seed is of particular value because of the state of perfection which it reaches. This climate allows it to grow to greater maturity and, consequently, is more hardy and even after two or three years is as good for our purpose as it was when first gathered.

"As for sweet peas, this is the market upon which the world draws for its seed. The culture of the sweet pea practically has been driven out of Europe because of disastrous seasons and has settled in California, where hundreds of acres of the greatest varieties are grown. Again, I say, the climate is responsible. Here the product may be cut, dried and threshed in the open field, while in Europe we are forced to cut, then stack and wait for favorable weather to thresh. All of these conditions have a bearing on the price of the seed. We can buy here and ship to Europe and sell the seed as cheaply there as we formerly did the home-grown variety.

"Germany, for many years, was the principal growing ground in Europe for asters. There again climatic conditions militated against the culture of the aster and of recent years it has been practically impossible to get satisfactory seed from Germany. The germinating quality was poor and the seed was deteriorated. Here the aster gets all the sunshine necessary and we find the finest seed now comes from California."

The sweet pea, no doubt, is Mr. Dicks' hobby. He is one of the founders of the National Sweet Pea Society of England, which has done more to foster the culture of the sweet pea than any other horticultural organization. Besides, Mr. Dicks wrote a history of the sweet pea which now is considered an authority.

The house of Cooper, Tabor & Co. has been in existence since the time of Queen Elizabeth. The head of the house was at that time a common councilman and Shakespeare was appearing in his Black Friars theater close to the spot where the London house of the firm now stands.

"I dare say we may have sold Shakespeare himself some seeds, although it is not recorded on our books," Mr. Dicks said this morning. "He probably paid cash, if he bought."—Los Angeles Express, September 7.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Fall Bulb Catalogue

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a copy send for it.

James Vick's Sons
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Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs and
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CARL R. GLOECKNER President,
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COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum Multiflorum, 7-9.....	\$50 00
" " Giganteum, 7-9.....	65 00
" " Formosum, 7-9.....	65 00
F. O. B. New York.	

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The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

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S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910



Stokes' Standard Cyclamen Seed

Stokes' Giant Pure White, Stokes' Giant White Red Eye,
" Giant Crimson, " Giant Papilio or Butterfly,
" Giant Rose, " Rococo, Mixed.

Price of above: Per 100 seeds, 65c; per 1000 seeds, \$5.00.

Paper White Narcissus

Fancy grade, 1,250 to a case.
Per 1000, \$8.25; 5,000 lots, \$8.00.

French Roman Hyacinths

WHITE

12 to 15 ctm., per 1000, \$24.00.

Tulips, Hyacinths, Narcissus

Let me know your wants.

STOKES' SEED STORE, 219 Market Street,
PHILADELPHIA, PA.

— TO THE TRADE —

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Carnations, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Primulas, Scabious Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES. (mixed), the most perfect and most
beautiful in the world. \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

FOTTLER, FISKE, RAWSON CO.

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New Crop Seed Just Arrived. Our grower in Eng-
land makes a specialty of Cyclamen Seed; this strain
is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN.

Brilliant. Deep crimson, extra.
Excel-lor. White claret base.
Grandiflora Alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.

Prince of Wales. Giant light red.
Rosy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful
salmon pink.
Sunray. Pink claret base.
Finest Mixed. All colors.

The above varieties, 100 seeds, \$1.00; 1000 seeds, \$8.00.

Fottler, Fiske, Rawson Co.,

Faneuil Hall Square, also 26 So. Market St.,
BOSTON, MASS.

Conrad Appel,

Darmstadt, Germany,
Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of
American Grass and Clover seed in carload lots, and invites exporters to submit
offers and samples as soon as the new crop is on spot.

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe,
Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners

— New Price List of My Celebrated —
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
a copy please send for one. New crop of
seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

Pape & Bergmann,
Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc.,
Cactus Dahlias, Bulbs, General Catalogue Free

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President; Franklin DeKleine, Grand Rapids, Mich., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rutenik, Cleveland, O., Treas. Annual meeting at Grand Rapids, Mich., Sept. 27-29.

Market Gardeners' Convention.

A SUCCESSFUL MEETING.

The third annual convention of the Greenhouse Vegetable Growers' and Market Gardeners' Association was held at Press hall, Grand Rapids, Mich., September 27-29, with an attendance of about 200. The meeting was called to order by President C. W. Waid at 9 a. m., September 27, when Mayor Geo. E. Ellis gave a cordial address of welcome, to which suitable response was made by Prof. Wm. R. Lazenby, of Columbus, O. The president then delivered his annual address and this was followed by the reports of the secretary, treasurer, state vice-presidents and standing committees. Floyd J. Zuck, of Erie, Pa., then read his paper on "Results of Local Organization." Then the meeting adjourned and reassembled at 1:30 p. m., when papers were read as follows: "The Use of the Greenhouse to Start Plants for Outdoor Crops," by W. J. Ritterskamp, Princeton, Ind.; "Outdoor Irrigation—When Practicable?" by H. F. Chester, Cleveland, O.; "The Relation of the Commercial to the Small Greenhouse Growers," by W. H. Weinschenk; "Pointers on Onion Growing," by Prof. A. McMeans, North Dakota Agricultural College; "Treatment of Greenhouse Soils for Continuous Cropping," by Prof. W. J. Green, Wooster, O., and "What Kinds of Vegetable Seeds Should the Market Gardener Grow for His Own Use?" by J. Vernon Sheap, Jackson, Mich. Assembling for the evening session at 7:30 p. m., the reading of papers was continued with the presentation of "Some Diseases of Forcing Tomatoes," by Prof. Thos. Gunson, Michigan Agricultural College; "Notable Truck Farms and Market Gardens," by Prof. R. L. Watts, State College, Pa., and "The Work of the Virginia Truck Experiment Station," by Prof. T. C. Johnson, Norfolk, Va.

The trade exhibits included the following: The Advance Co., Richmond, Ind., ventilating apparatus; Barday, Ayers & Bertsch Co., Grand Rapids, Mich., steam heating appliances; Foley Mfg. Co., Chicago, greenhouse building material; Grand Rapids Supply Co., Grand Rapids, Mich., pipe and heating material; Benj. Hammond, Fiskill-on-Hudson, N. Y., insecticides; G. H. Hunkel Co., Milwaukee, Wis., mushroom spawn; E. H. Hunt, Chicago, sprays, fertilizers, etc.; Ionia Pottery Co., Ionia, Mich., pots; S. M. Isbell & Co., Jackson, Mich., seeds and vegetables; Kroeschell Bros. Co., Chicago, boilers; John C. Moninger Co., Chicago, greenhouse building material; Perth Amboy Chemical Works, Perth Amboy, N. J., formaldehyde; Sunlight Double Glass Sash Co., Louisville, Ky., hot bed sash; J. P. Watts, Kermmoor, Pa., straw mats.

What Constitutes Good Seed Corn?

By far too many consider seed good simply because it will grow. To be first class, seed must be—

(1) Well adapted to the seasonal and soil conditions where it is to be planted.

(2) Grown on productive plants of a productive variety.

(3) Well matured, and preserved from ripening time till planting time in a manner that will retain its full vigor.

The importance of the three requirements just enumerated has been demonstrated experimentally by the Office of Corn Investigations of the Bureau of Plant Industry. The results given briefly, as enumerated, are as follows:

(1) For a series of five years 12 well-bred varieties were tested in 10 Northern States, equivalent lots of seed being used in each state. Varieties that produced most in some states were among the poorest in others.

(2) Seed ears taken from the highest yielding rows of ear-to-row breeding plats have repeatedly produced better than seed ears taken from poorer yielding rows. Seed ears from the best producing stalks found in a general field produced more than seed ears taken without considering the productiveness of the parent stalks.

(3) Four bushels of ears were divided into two equal parts, one part being well taken care of and the other placed in a barn as corn is ordinarily cribbed. The well-preserved seed gave a 12 per

cent increase in production on poor soil and a 27 per cent increase on fertile soil, notwithstanding the fact that both lots of seed germinated equally well.—Farmers' Bulletin 415.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession..	\$0.20	\$1.00
Lettuce, Grand Rapids Big Boston.		
Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

RELIABLE SEEDS.

	Oz.	Tr.
Bellis, double Daisies, Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c
For other varieties ask for my catalogue.		

O. V. ZANGEN, Seedsman. Hoboken, N. J.

Lily Bulbs Ready for Immediate Shipment.

	Per 1000		Per 1000
Lilium Formosum, 7-9.....	\$65.00	Lilium Jamesi, 6-7.....	\$72.00
" " 8-10.....	87.50	" " 7-9.....	95.00
" " 9-10.....	90.00	Narcissus Paper White Grand	
Lilium Harrisli, 7-9.....	90.00	14 up, 1000 to case.....	11.00

This stock is of the finest grade obtainable. No better stock is being offered.



Skidelsky & Irwin Co.,

1215 Betz Bldg.,

PHILADELPHIA, PA.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

**Nurserymen
and Florists**

Rutherford, N. J.



TYPE OF OUR CYCLAMEN.

VAUGHAN'S Giant-Flowered Cyclamen

Pure White (Ment Blanc) Per 100 seeds, \$0.75
 Dark Crimson Per 1000 seeds, 5.00
 Rosa von Marienthal, "Daybreak" pink 250 seeds of a color
 Dark Rose at the 1000 rate.
 White, with Crimson Eye

Giant-Flowered Cyclamen, extra choice mixed:
 Per 100 seeds..... \$ 0.50
 250 seeds..... 1.15
 1000 seeds..... 4.50
 5000 seeds..... 20.00

This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). This is, to our knowledge, the best strain in this color which is very striking and well liked by the public. Per 100 seeds, \$1.35; 250 seeds, \$2.85; 1000 seeds, \$10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye and Lilac Colored. Each, per 100 seeds, \$1.00; per 1000 seeds, \$9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture.

25 seeds..... \$0.25
 100 seeds..... .85
 1000 seeds..... 8.00

English Grown Giant Cyclamen.

Price, 100 Seeds, \$1.00; 1000 Seeds, \$9.00.

Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark Rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted, with claret base.
Grandiflora alba. The largest giant white grown.
Excelsior. Giganteum variety. White, with red base. Extra large flowers.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.



Calla Bulbs..

Calla Bulbs, fine. 1 to 1 1/4-inch diameter \$3.00 per 100; \$25.00 per 1000 Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
 Route 1, Box 54. HOLLAND, MICH.

Mention the American Florist when writing

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list. Per 1000
Paper White Grandiflora, fine stock..... \$ 8.00
Empress, Double Von Sion or Princess..... 10.00
Emperor..... 12.00
Stella, Figaro, Cynosure..... 2.00
Grand Monarque..... 8.00

The Leedham Bulb Company, Santa Cruz, Calif.

KNOXVILLE, TENN.—C. L. Baum received the first prize for the floral exhibit at the fair held September 16, 1910. C. W. Crouch was awarded second.

A FEW SPECIALTIES IN BULBS

NARCISSUS.

	Per 100	1000
Paper White Grandiflora, 14 cm., 1000 to the case	\$1.25	\$11.00
Bicolor Victoria, selected double-nosed bulbs	1.75	16.00
Emperor selected double-nosed bulbs	1.75	15.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, selected double-nosed bulbs	2.25	19.00
Poeticus Ornatus, selected double-nosed bulbs	1.00	7.50

Freesias, Bermuda-grown.

Bulbs 3/4 to 1 1/2 inch and up in diameter .75 6.00

Bermuda Buttercup Oxalis.

Extra sized bulbs .75 6.00

Complete list of Fall Bulbs and Ferns sent free on application.

TULIPS.

	Per 100	1000
Keizerskroon	1.25	\$10.50
La Reine	1.00	8.00
Rose Gris de Lin	1.00	8.50
Rose Luisante	1.75	14.50
Murillo	1.25	10.00
Couronne d'Or	1.75	14.00
Gesneriana Spathulata	1.25	9.50

LILIUM HARRISII.

Selected bulbs. The original true stock.

	Per case	Per 1000
6 to 7 inch, 350 to the case	\$17.50	\$45.00
7 to 9 inch, 200 to the case	18.00	80.00

White Roman Hyacinths.

	Per 100	1000
Bulbs 12 to 15 cm., 2,000 to the case	\$2.75	\$25.00
13 to 15 cm. bulbs, 1,600 to the case	3.00	28.00

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the American Florist when writing

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our **Fall Bulb and Seed Catalogue**, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,

342 W. 14th St., NEW YORK CITY.

Mention the American Florist when writing

JOHNSTOWN, N. Y.—The greenhouse which Thomas Barson has just completed is being planted to carnations.

YORK, ME.—W. G. Moulton & Son are building an addition to their greenhouse plant.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana Mo., President;
E. S. Welch, Shenandoah, Ia., Vice President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

MENLO PARK, CALIF.—The interests of the late M. Lynch have been incorporated under the title of the Lynch Nursery Co.

Birds are Beneficial.

In response to numerous complaints concerning depredations of birds in orchards and vineyards the Department of Agriculture has made a systematic investigation in California of the most important birds of that state from the farmers' and fruit growers' standpoint. A careful study showed that only four of the seventy species considered can be regarded as of doubtful utility. They are the linnet, California jay, stellar jay, and red-breasted sapsucker. Among the other species the swallows, swifts, wrens and chickadees, which are strictly insectivorous, are extremely beneficial. The bulletin suggests that farmers should look on birds as servants who have to be fed in return for the useful work they do.

Albany, N. Y.

Excellent progress is being made upon preparations for the second annual flower show of the Albany Florists' club to be held in the state armory under the auspices of the Tenth Regiment, N. G. N. Y., November 10, 11 and 12. At the last meeting of the show committee, copies of the premium list were distributed and encouraging reports on the compilation of the program were received from several members. Chairman Goldring announced that the first lot of tickets, 5,000, will be printed and distributed for sale immediately. This lot will comprise 1,000 single admission and 1,000 season. Efforts will be made to encourage exhibits from private estates in Albany and Lenox, Mass., and some of the premiums have been selected with that end in view. William C. Gloeckner reported upon a conference with Frank C. Herrick, president of the Albany chamber of commerce, in which Mr. Herrick was quoted as interested in the show and would at the next meeting of the chamber bring up the matter of offering a cup to be known as the Chamber of Commerce trophy, to be competed for under some one of the four classes in the premium list. President Herrick also offered the co-operation of William B. Jones, secretary of the chamber, in furthering the interests of the exhibition.

NOTES.

F. A. Danker, Maiden Lane, has employed Cornelius Hassell as chief clerk to succeed William C. Roche, who was drowned in Kinderhook lake during his vacation a few weeks ago. Mr. Hassell comes from Springfield, Mass., where he was in the employ of Mark Aitken. During the summer Mr. Danker has had considerable improvements under way in his place. A large McCray ice box has been installed in the rear of the store and with its plate glass front and white enameled trim adds materially to the appearance of all. Additional room has been obtained through the lease of the adjacent premises at No. 42 Maiden

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

PEONIES

Best Cut Flower varieties grown.

First Prize White	\$15.00 per 100
.. .. Pink	9.00 per 100
.. .. Red	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
Wholesale catalog for fall issued Sept. 1st.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Lane and mechanics are at work fitting it up for use this fall and winter. The addition will double the room.

The Rosery, 76 Maiden Lane, reports a steady increase in volume of business. The proprietors, E. F. Meany and E. P. Tracey, have adhered consistently to the policy of buying only high class goods, with the result that they have attracted and are holding a most excellent trade. E. P. Tracey was one of the candidates initiated at the meeting of Albany Lodge, No. 49, B. P. O. Elks, on the evening of September 21.

Among the recent visitors were F. R. Pierson, Tarrytown, and Arthur Zirkman of M. Rice & Co., Philadelphia. R. D.

40,000 Evergreens

ORDERS TAKEN

Can ship at convenience of purchaser.

NORWAY SPRUCE

18 to 24 inches...5c each	3 to 4 feet.....10c each
2 to 3 feet.....7c each	4 to 5 feet 15c each

D. T. MCCARTHY & SONS.
Nurserymen, LOCKPORT, N. Y.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcoxie, Mo.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet. will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co.,

NAARDEN
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies. Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

We would particularly call attention to the following **Three New Varieties** as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Algae Adamson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct aniline-red eye.

Bridemaids (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d'Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostaad (Medium). Reddish violet shading brighter towards the centre, with an exceptionally large white centre.

Engene Danzanviller (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Ecilar (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Ungeler (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate pale rose mauve with claret-red eye.

George A. Stroheim (Medium). Bright scarlet, with crimson red eye; does no bleach.

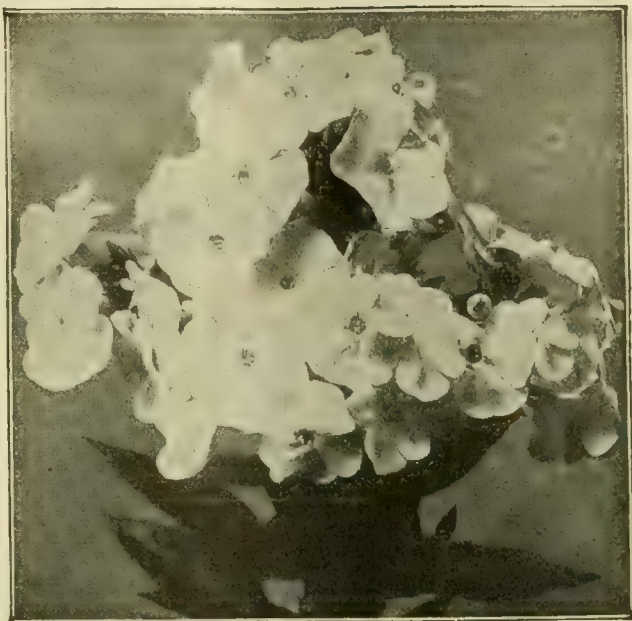
General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General von Heutz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.



HARDY PHLOX.

Helena Vacaresco (Dwarf). Very large-flowering dwarf; white.

H. O. Wijers (Tall). Glistening white, with bright crimson-carmine eye.

Henry Murger (Tall). Beautiful variety; white, crimson-carmine centre.

Henry Marcel (Medium). Pure red with very bright salmon shading.

Henry Royer (Medium). Tyrian rose, with lighter shadings; large flower.

Julia Cambon (Medium). Brilliant reddish-purple, with exceptionally large, pure white centre.

Jeanne d'Arc (Tall). A good standard late white.

Louis Blanc (Tall). Reddish violet, with purple shadings and darker eye.

La Vague (Medium). Pure mauve, with aniline-red eye.

Le Mahal (Tall). Deep reddish violet, with darker eye.

Le Fouira (Tall). Rich glowing French purple, shading crimson.

Louise Abbema (Dwarf). Very large dwarf, pure white, of fine form.

Le Prophete (Dwarf). Bright violet-rose, large light halo and bright rose eye; fine.

Mme. Paul Dutrie (Tall). A delicate lilac-rose, reminding one of some of the beautiful soft pink Orchids. The flowers are very large and borne in panicles of immense size.

Mozart (Tall). Ground color white, suffused salmon; aniline red-eye.

Mrs. Jenkins (Tall). The best tall early white for massing.

Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.

Professor Virchow (Medium). Bright carmine, overlaid with orange-scarlet.

Pantheon (Tall). Bright carmine rose.

Pechaur d'Islande (Tall). Crimson-red suffused with cochineal-red and carmine red eye.

Prosper Henri (Dwarf). Pure white, with large decided eye of rosy magenta.

Pacha (Dwarf). Deep rose pink, suffused with solferino-red and carmine-purple eye.

R. P. Struthers (Tall). Rosy carmine, with claret-red eye; fine.

Sunshine (Dwarf). Large aniline-red, with crimson-red eye and light halo.

Selma (Tall). Large flower, pale rose mauve, with claret-red eye.

Siebold (Tall). Bright vermilion-red, overlaid with orange-scarlet; crimson red eye.

Sarabande (Medium). Reddish-violet, with lighter shadings.

Von Goethe (Tall). Tyrian rose, suffused with carmine-lake and carmine-red eye.

Von Hohberg (Tall). The ideal crimson Phlox, the richest of its color.

Vesuvius (Medium). One of our new seedlings; pure red, with bright purple eye; a dazzling color.

Von Lassburg (Medium). The purest white in cultivation; individual flowers larger than any other white.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM
Hardy Lilies

Tenuifolium, Wallacei, Bansonii, Henryi, etc.
IRIS AEMPELII, DAPHNE CNEORUM
and GERMAN IRIS.

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., **JERSEY CITY, N. J.**

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vland, Castellane, Poltevine Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitman Ferns, 4-in., 25c each. 5-in., 35c.

Boston Ferns, 5-in., 25c each, Vinca Var., 2-in., \$2.00 per 100.

Roses, Bride Maids and Gates, Killarney, 3-in., \$5.00 per 100.

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.
NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

ORCHIDS

Just Arrived in fine condition: Oncidium Varicosum Rogersii, O. Marshallianum, O. Forbesii, Laelia Purpurata, L. Cinnabarina, Cattleya Citrina, Odontoglossum Grande.

CARILLO & BALDWIN, Mamaroneck, N. Y.

SMITH'S

Chrysanthemum Manual

40c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

Cleveland.

Trade is beginning to pick up rapidly. Daily sales are showing a gradual increase. Roses are becoming a little more plentiful; Beauties are in good form, although mostly in medium sizes. Pink roses of all kinds are still short of the demand. Carnations are improving, a few growers sending in some very good flowers and long stems. New York state asters of rather a good quality are being shipped to this market. Orchids are expected to arrive almost daily now and will be a part of the regular stock. Good valley finds a ready sale and is quite plentiful. Swainsona is a good seller. The first shipment of boxwood is in, and the quality was never better, can be had regularly from now on. Adiantum and asparagus are good and clean up daily. Kaiserin roses are still coming in in good shape. In a few weeks the chrysanthemums will be in. Gladioli is becoming less plentiful, the demand far exceeding the supply.

The Ohio Floral Co. are going into a new store in the People's Bank Building, corner of W. Twenty-fifth and Franklin avenue, in the near future.

Southern smilax is much in demand at present, some very large orders the past week arriving on this market.

G. W. Mercer is now occupying his new store just completed, at 2991 W. Twenty-fifth street. C. F. B.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of GODFREY ASCHMANN, the great Araucaria Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the Araucaria Excelsa, Robusta Compacta and Excelsa Glauca, are in favor more than ever this year.



This is our 25th anniversary since we began importing Araucarias. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in Araucarias and Azaleas. The trade is well informed that for many years past I go personally to Belgium to protect and elect for my customers the best of Araucarias, Azaleas, Palms, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high. 3-4 5-6 tiers, 2-3-4-5 years old, 35c. 50c. 60c. 75c. \$1.00. \$1.25 to \$1.50 each. Robusta Compacta, Excelsa Glauca, 6 in. pots. \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35-40-45 in. high. 4-5-6 years old, 75c. \$1.00 \$1.25. \$1.50. \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.
Mention the American Florist when writing

Miscellaneous Plants

CYCLAMEN

Fine stock for immediate sales.

	Doz.	100
2-in.	50	
3-in.	7 00	
4-in.	2 00	15 00
2½-in. Boston, fine stock.	4 50	
4-in.	\$2 00	15 00
5-in.	3 00	25 00
2½-in. Whitman,	5 00	
4-in.	2 00	15 00
5-in.	3 00	25 00
2½-in. Amerpohl,	4 50	
2-in. Asparagus Sprenger, ...	2 50	
3-in.	1 00	6 00
2-in. Assorted Ferns, dishes ...		\$3 00
4-in. Celestial Peppers,		7 00
4-in. Jerusalem Cherries,		7 00
2½-in. Cocos Weddelliana,	\$2 00	15 00
4-in. Araucaria Excelsa,	Each	Doz.
2-3 tiers	\$ 50	\$6 00
4-in. Araucaria Glauca,		
3-4 tiers	1 75	
4-in. Araucaria Compacta,		
3-4 tiers	1 75	
Kentia Belmoreana,	Each	
6-in. pot, 5-6 leaves,	\$1 25	
4-in. pot, per 100, \$35.00		35
2½-in. pot, per 100, 10.00		

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill

Mention the American Florist when writing

Grafted Pink Killarney

500 3½-inch Grafted Pink Killarney at 10 cents each.

POEHLMANN BROS. CO.,
MORTON GROVE, ILL.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMAN FERN

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

WE still have about 5,000 or 6,000 Rose Plants which we will close out very cheap. We also have about 1000 Carnations, as per our adv. of last week. We have the largest stock of Ferns in Central Illinois, in Whitman and Boston. Let us hear from you in regard to them. Celestial Peppers and Jerusalem Cherries, in 3-inch, ready for 4-inch, a great bargain. Get what you want now. We also have a fine line of Primroses, Obconica and Chinese, etc.

Let us hear from you.
GEO. A. KUEHL, Wholesale Grower, Pekin, Ill.

Carnations

125 Bountiful, 200 Carnegie, \$4.00 per 100. Fine plants. Will exchange for Princess of Wales Violet Plants.

A. G. PRINCE, Iowa City, Ia.

We Call Your Special Attention

To our quotations on **Latania Borbonica**, 7-inch pots at 75 cents each or \$9 00 per dozen.
These are plants ready to shift into 8-inch pots, and are fine, perfect specimens.
Our **Assorted Ferns for Ferneries** are also to be recommended.
Dracena Fragrans, 6-inch pots at 50 cents; 7-inch at 75 cents; and larger plants at \$1.00 and \$1.50 are fine stock. Be sure to include some of these in your order; they are sure to please you.
Our **Kentia Belmoreana**, 6-inch pots at \$1.50 each, are exceptionally fine, perfect specimens—the kind of stock that will sell on sight.

Kentia Belmoreana.

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.	100
2½-in.	8 to 10-in.		\$ 1.50	\$10.00	
3-in.	12-in.		2.00	15.00	
4-in.	14 to 16-in.	4 to 5	\$0.50	4.50	35.00
5-in.	26 to 28-in.	6 to 7	1.50	18.00	
7-in.	28 to 30-in.	6 to 7	2.50	30.00	
8-in.	42 to 48-in.	6 to 7	5.00		
9-in.	54 to 60-in.	6 to 7	7.00		

Kentia Forsteriana.

Pot	Height	Leaves	Each	Doz.
2-in.	6 to 7-in.	3 to 4	\$1.50	
3-in.	10 to 15-in.	4 to 5	2.00	
4-in.	16 to 18-in.	5 to 6	4.50	
			Each	
5-in.	24 to 28-in.	5 to 6	\$0.75	
7-in.	36 to 40-in.	6 to 7	2.50	

Made-up Plants.

Tubs	Height	Plants in tub	Each
8-in.	42 to 46-in.	4	\$ 5.00
9-in.	48 to 50-in.	4	6.00
10-in.	54 to 60-in.	4	10.00

Cocos Weddelliana.

2-in. pots, 15c each	\$1.75 per doz
3-in. pots	2.50 per doz.

Latania Borbonica.

Pot	Leaves	Height	Each	Doz.	100
3-in.	3 to 4	10 to 12-in.	\$1.50	\$10.00	
4-in.	4 to 5	12 to 15-in.	.25c	3.00	25.00
5-in.	5 to 6	15-in.	.40c	4.50	35.00
6-in.	6 to 7	18-in.	.60c	6.00	50.00
7-in.	7 to 8	20 to 24-in.	.75c	9.00	

Areca Lutescens.

Made-up Plants.

Pot	Leaves	Height	Each
3-in.	10 to 12	10 to 12-in.	\$0.20
7-in.			2.00
8-in.	12 to 20	30 to 36-in.	4.00

Phoenix Roebelenii.

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

	Each	Doz.
2-in. pots	\$0.25	\$3.00
3-in. pots	.50	6.00
4-in. pots	.75	9.00
8-in. tubs	4.00	

Phoenix Canariensis.

30 to 36-in. high, 8-in. tub.	Each	\$2.50
-------------------------------	------	--------

Pandanus Veitchii.

	Each	Doz.
4-in.	\$0.50	\$ 6.00
7-in.	2.50	30.00

Send for Our Catalogue of Nursery Stock.

We have 50 acres in Trees, Shrubs, Perennials, Etc.



DRACÆNA FRAGRANS.

The above is one of our 75c plants.

Dracaena Fragrans.

	Each	Doz.
5-in. pots, 10 to 12-in. high.	\$0.35	\$ 4.00
6-in. pots, 12 to 14-in. high.	.50	6.00
7-in. pots, 14 to 16-in. high.	.75	9.00
8-in. pots, 16 to 20-in. high.	1.00	12.00

Araucaria Excelsa.

Pots	Tiers	High	Per doz.
4-in.	2 and 3	8 to 10-in.	\$ 8.00
5-in.	3 and 4	12 to 14-in.	9.00
6-in.	4 and 5	18 to 20-in.	12.00

Pyramid Bays.

	Pair
6 ft. 6 in. high, 24 to 30-in. wide.	\$20.00
7 ft. high, 34 to 38-in. wide.	25.00

Standard Bays.

	Pair
4 ft. high, 22 to 26-in. crown.	\$12.00
5 ft. 6 in. high, 24 to 26-in. crown.	15.00
6 ft. 6 in. high, 32 to 36-in. crown.	20.00
Larger sizes.	\$25.00, \$30.00 and 35.00

Aspidistra Lurida, Variegated.

15c per leaf.....plants, \$1.00 and upwards

Fern Balls (in leaf).

5 to 7-in.	per doz., \$3.00
7 to 9-in.	per doz., 4.20

Fine Ferns.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Thussimense, Pteris adiantoides, Pteris cretica alba-lineata, Pteris Ourardi, Pteris serrulata, Pteris Winsettii, Pteris tremula, 2-in. pots, 40c per doz.; \$3.00 per 100.

Asparagus Plumosus Nanus.

	Per doz.	100
2-in. pots	\$0.50	\$ 3.00
3-in. pots	.75	8.00
4-in. pots	1.50	12.00

Asparagus Sprengeri.

2-in. pots	per 100, \$3.00
3-in. pots	per 100, 6.00

Ficus Pandurata.

6-in. pots, 36-in. high.	each, \$2.50
7-in. pots, 48-in. high.	each, 3.50

Ficus Repens, Vine.

2-in. pots	per doz., \$0.50
3-in. pots	per doz., 1.00

Nephrolepis Whitmani.

8-in. pots	\$1.50 each
------------	-------------

Beautiful specimens.

Nephrolepis Bostoniensis.

Pot	Doz.	100
3-in.	\$ 1.00	\$ 8.00
4-in.	1.50	12.00
5-in.	3.00	25.00
6-in.	6.00	45.00
7-in.	9.00	70.00
8-in.	12.00	90.00
9-in.	15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

GEO. WITTBOLD CO., 737-739 **Chicago**
Buckingham Place,
Long Distance Phone, Graceland 1112.

NOW READY—New 1910 Edition

The Trade Directory

Florists, Seedsmen and Nurserymen
of the United States and Canada.

Price: \$3 00, postpaid.

American Florist Co., — 324 — Chicago
Dearborn St.,

Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering, Sept. 20.....	\$2 60	\$0 50	Chinese, 2¼-in. pot.....	\$12 00	\$1 50
Aso. Sprengeri, 2¼-in. pots.....		2 00	Obc. Alba and Rosea.....		2 00
Vinca Var., from field.....		4 00	Obc. Gigantea.....		3 00
			Cineraria.....		2 00

—Cash—

JOS. H. CUNNINGHAM, **Delaware, O.**

TRADE LIST

CLEMATIS paniculata, strong plants. \$10.00 per 100.

ASPARAGUS Sprengerl, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.

BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.

STEVIA, dwarf, 4½-in. pots, \$1.00 per doz.

CROTONS, from 4 in. pots, \$2.00 per doz.; 3 in. pots, \$1.50 per doz.

AMPELOPSIS Veitchii, 4-in. pots, \$10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.

RUBBER PLANTS, 5 in. pots, 25c each; 6 in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.

BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.

DAISIES, white and yellow, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Wilson's Quality Stock

Feverfew, double white, rooted cuttings. Per 101 \$1.50

Marguerite, Queen Alexandra and Etolide d'Or, strong rooted cuttings. 2.00

Salvia, drooping spike, rooted cuttings. .50

Coleus, in all varieties, rooted cuttings. .50

Variegated Stevia and Variegated Sage, R.C. .75

Hydrangea Otaksa, elegant bushy plants, from 3 to 8 flowering stems. 8c per stem

Flux Elastica, perfect plants 24-30 in. 5c each

Fern Superbissima, elegant, 4 in. 20c; 5 in. 40c

Genista Racemosa, 2½-in. strong. 4c

Roses, Pink Killarney, extra fine, 3 in. 5c; 2½-in. 3c

J. S. WILSON FLORAL CO.

Box 663, Des Moines, Iowa.

Cincinnati.

AMPLE SUPPLY.

The past week has seen the finish of the asters and gladioli season and we must now fall back on roses, lilies and dahlias to supply the wants in the cut flower line. The supply of American Beauty roses is ample with a moderate demand. Taft and My Maryland have the call in pink while Ivory and Kaiserin are the best propositions in white. Carnations are arriving in increased quantities and the quality is improving daily. Lilies clean up nicely every day and about the only surplus is in the dahlia line of which the market is able to supply unlimited quantities. Cosmos is good property and there is enough green goods of all descriptions for all wants.

NOTES.

Tom Windram left Monday for Grand Rapids, Mich., to attend the vegetable growers' convention. From there he will go up to Snow Island and call on his friend, Wm. Murphy, who is still camping out up there in the wilderness.

Other visitors: Ben Thomas, Augusta, Ky., and a gentleman by the name of Green, representing H. Bayersdorfer & Co., Philadelphia, Pa.

Max Rudolph had quite a large opening the past week, using, among other flowers, 1,500 long-stemmed Beauties which E. G. Gillette supplied.

Gus Meier of the Hyde Park Rose Co. is visiting his brother in Knoxville, Tenn., and incidentally taking in the Appalachian Exposition.

Geo. F. Moon and wife of Rushville, Ind., were callers last week, having come down to take in the sights of the Ohio Valley Exposition.

Mrs. Wm. H. Sunderbruch has gone to Minnesota for an indefinite period on a visit to friends. S.

FERNS

FROM BENCH

Boston, for 3-in. 6c.; 4-in. 10c.

Elegantissima, for 3-inch, 6c; 4-inch, 10c; 5-inch 12½c.

Whitmani, for 3-, 4- and 5-inch, 8c, 12c and 15c.

Amerpohli, 3-inch, 8c; 4-inch, 12c.

Scottii, for 3-inch, 6c; 4-inch, 10c

Runners, Boston Elegantissima, \$1.00 per 100. Whitmani, Amerpohli, \$1.50 per 100.

Snapdragon, Giant Yellow and Red, field-grown, \$1.00 per 100.

Rubbers, 4-in. 20c. 5-in., 30c.

Asparagus Sprengerl, 2-in., 2c.

Double Alyssum, 2-in. \$2.00 per 100.

Giant Pansies, Bugnot, Odier and Cassier mixture, \$2.50 per 1000.

Primula, Officinalis Hybrids; Hardy sweet scented cowslip, 2-in., \$3.00 per 100.

PRIMROSES

All 2-in. fine stock.

Obconica Alba, Lilac, Rubra Hybrida and Rosea, \$2.00 per 100

Carminea, Sanguinea, \$3.00 per 100.

Cash with order.

BYER BROS.

Chambersburg, Pa.

Mention the American Florist when writing

Fill your 'Mum houses when cut out with the

NEW POT CARNATION

"CHRISTMAS CHEER"

"Gold Dollars in It."

Send for descriptive list.

\$15.00 per 100; \$125.00 per 1000. February delivery.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the American Florist when writing

ASPARAGUS

Per 100

Asparagus Comorensis, 1-yr.-old clumps. \$5.00

Asparagus Elongatus, 1-yr.-old clumps. 5.00

Fine stock for dividing up.

GEO. REINBERG,

35 Randolph Street, CHICAGO.

Mention the American Florist when writing

Good Plant Stock For Sale

5000 American Beauties, at. 8c

2000 Maids, at. 5c

300 Gardenias, extra fine. 15c

All plants in 4-in. pots.

Also 10 secondhand 4-in hot water valves at \$2.50 each.

BRANT-HENTZ FLOWER CO., MADISON, N. J.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, BROOKLYN, N. Y

Rutland Rd. & E. 45th St.

Mention the American Florist when writing

Decorative Plants

LAURUS CERASUS

Suitable for roof gardens and in front of hotels, etc. Price per pair, from \$4.00 to \$10.00. From \$6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra value for the money.

Aucuba Japonica, variegated, in pots. For hotels, etc.; fine, bushy plants, well furnished, from 35c to \$3.00 each; also plants for \$4.00, \$5.00, \$6.00 per dozen. Large plants in wooden tubs.

Abies Kosteri, in pots, \$1.50 and \$2.00 each.

Boxwood, perfect, globular, fine, 35c, 50c, 75c and \$1.00 each.

Rubbers, single and combinations, 8 to 9-in., from \$1.50 to \$4.00 each; 6-in., \$6.00 per doz.

Araucaria Excelsa, 2 to 2½ feet high, \$1.50 to \$2.50 each.

Araucaria glauca and robusta, \$1.25 to \$2.00 each.

Cibotium Schiedei, large plants, \$3.00 each; smaller, \$1.50 each. \$15.00 per doz.

Phoenix Roebelenii, young plants, 3-inch., \$2.00 and \$3.00 per doz.; larger plants, \$12.00, \$18.00 to \$24.00 per doz.

Pandanus Veitchii, 5½-in., \$1.00 each; 6-in., \$1.25; 7-in., \$1.50 and \$2.00; 8-in., \$3.00 each.

Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., \$12.00; from 15 to 24 inches high; larger, \$1.50; \$18.00 per doz.

Large Kentias, 11-in. tubs, 6 ft. high, \$11.00 each; larger plants up to \$20.00.

Raphis flabelliformis, 7 and 8-in. pots, \$3.00 to \$6.00 each.

Dracena fragrans, Dr. Lindenii, Dr. Massangeana, Dr. Gracilis, from \$1.00 to \$3.00 each.

Japanese Tiny Plants, in fancy crocks, \$5.00, \$6.00 and \$9.00 per doz.

Golden Leaf Privet, fine plants, 4½-in. pots, doz., \$2.00; 100, \$15.00; very fine.

Scholzeli and Pieroni Ferns, well shaped, 8-in. to 9-in. azalea pots, \$1.50, \$2.00 and \$2.50 each. Plants very fine.

Boston, Whitmani and Scottii, from 7-in. pans, doz., \$4.00, \$5.00 and \$6.00.

Euonymus, variegated and green, 7 and 8-in. pots, nicely shaped, per pair, \$1.50, \$2.00.

Tradescantia hanging baskets, \$1.00 each.

Maranta Zebrina, 4 and 4½-in., fine plants, doz., \$3.00 and \$4.00.

Gardenia Veitchii, fine, bushy plants, from 5½-in. pots, well branched, the kind for planting out, \$15.00 per 100.

Pandanus Sanderi plants from 50c to \$2.00 each.

Chrysanth., for pot culture, from 6 and 7-in. pots, doz., \$6.00; 100 at \$45.00.

Variegated Aspidistra, \$1.50 and \$2.00 each. Plenty of leaves.

Dracena indivisa, from 6-in. pots, 24-in. and over, doz., \$3.00; 100, \$25.00.

Boston Ferns, 6-in. pots, \$6.00 a doz.; 6½-in. pots, \$9.00 a doz.; 7-in. pots, \$12.00 a doz. Very fine.

Small Kentia Belmoreana, 3½-in. pots, \$20.00 per 100; 5 to 5½-in. pots, combinations, doz., \$9.00, \$12.00 and \$15.00; fine.

Cocos Weddelliana, 3½-in. pots, \$15.00 per 100; 2½-in. pots, \$10.00 per 100.

Pandanus Utilis, 10-inch pots, \$3.00 each, four feet high, extra large, \$4.00 and \$5.00 each.

Crotons, 3x4-in. pots, \$3.00 and \$4.00 per dozen.

Phoenix canariensis, 5 to 10c a pair.

75c for each case and packing.

Cash with order.

ANTON SCHULTHEIS,

College Point, L. I., N. Y.

Mention the American Florist when writing

Ferns for Dishes

Per 100 Per 1000

2½-in. \$3.50 \$30.00

Chinese Primroses, 3½-in. 5.00

Christmas Peppers, 2½-in. 2.50

3-in. 5.00

500 at 1000 rates. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots.

Chrysanthemums

Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, N.Y.

Mention the American Florist when writing

Seasonable Plants

Order Now Before Freezing
Weather Sets In.

	Each	Dozen	100	1000
Asparagus Plumosus Nanus , 2 in			\$ 3 00	\$25 00
2½ in			4 50	45 00
Araucaria Excelsa Glauca ,				
9 in. pots, 10 to 12 in. high, 2 to 3 whorls....	\$ 75	\$ 8 00		
6 in. pots, 14 to 16 in. high, 3 whorls	1 25	14 00		
6 in. pots, 16 to 18 in. high, 4 whorls	1 50	17 00		
Araucaria Robusta Compacta ,				
6 in. pots, 12 in. high, 3 to 4 whorls.....	1 25	14 00		
6 in. pots, 14 to 16 in. high, 4 whorls	2 00	22 00		
7 in. pots, 18 to 20 in. high, 4 to 5 whorls ...	3 00	34 00		
Bay Trees , Standard or Tree Shaped				
Stem about 45-48 in.; Crown 26 in.....	7 50			
" " 46-50 in.; " 28 in.....	8 00			
" " 45-48 in.; " 30 in.....	10 00			
" " 46-54 in.; " 34 in.....	12 00			
" " 46-53 in.; " 40 in.....	15 00			
Begonia Gloire de Lorraine ,				
2½-inch.....	2 00	15 00		
3 inch.....	3 50	25 00		
4 inch.....	5 00	40 00		
Box Trees , Bush shaped. These do not come in tubs.				
10 to 12 in. high	30	3 00	20 00	
12 to 15 in. high	35	3 50	25 00	
15 to 18 in. high, light.....	40	4 00	30 00	
15 to 18 in. high, heavy	45	4 50	35 00	
18 to 20 in. high	75	8 00		
Chrysanthemums ,				
7-inch.....	1 50	12 00		
8-inch.....	2 50	20 00		
Larger plants in 10 and 12 in. Write for prices.				
	Each	Doz.	100	1000
Crotons ,				
7-inch.....	\$1 50	\$15 00		
8-inch.....	2 00	18 00		
Cycas , Started.....	\$1 00—3 00			
Cyclamen ,				
2½-inch.....		\$4 00		
3-inch.....		8 00		
Dracena Indivisa , 4-inch.....	2 00	12 00		
Ferns , Assorted for dishes				
2½-inch. (Our selection).....	3 50	25 00		



ASPARAGUS PLUMOSUS NANUS.

	Each	Doz.	100	1000
Ficus Pandurata ,				
24-inch high	1 50			
30-inch high	2 00			
36-inch high	2 50			
43-inch high	3 50			
Manetti , Dec. and Jan. delivery.				
English.....			\$ 1 50	\$12 00
French.....			1 75	13 50
Peppers , Christmas, 4-inch.....	\$1 25	10 00		
Phoenix Roebeleni ,				
4 inch.....	\$ 75	8 00		
5-inch.....	1 25	14 00		
6-inch.....	2 00			
7-inch.....	2 50			

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

VIOLETS

	Per 100	Per 1000
Gov. Herrick, Princess of Wales, fine field-grown plants	\$5 00	\$45 00
Lady Campbell	4 00	35 00
Primulas , Chinese and Obconica, Cin- eraria (dwarf), Double Alyssum and Asp. Sprengeri.		
2½ in.....	\$2.00	per 100: 300 for \$5.00
Celery and Cabbage Plants.		
Best varieties	\$1 00 per 1000: \$7.50 for 10,000	
Parsley, double curled	\$1.50 per 1000	
J. G. SCHMIDT, Bristol, Pa.		

Field-Grown Carnations

	Per 100	Per 1000
White Perfection	\$6 00	\$50 00
Sarah Hill	6 00	50 00
Pink Lawson	5 00	40 00
Variegated Lawson	5 00	40 00
Lawson-Enchantress	5 00	40 00
W. H. Taft	5 00	40 00
Enchantress	5 00	45 00
Victory, small	4 00	35 00

SCHEIDEN & SCHOOS,

Asbury and Warren Sts., EVANSTON, ILL.

CARNATION PLANTS FIELD GROWN

Scarlet Glow.....	\$12.00 per 100
Shasta.....	12 00 per 100
Golden Ray, clear yellow	12 00 per 100

F. DORNER & SONS CO.
La Fayette, Ind.

Always

mention The American Florist
when you order stock. . . .

FIELD - GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

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LANCASTER, PA.

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The Remedy for Your Condensation Troubles. A Guaranteed Investment With Guaranteed Results.

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Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Asparagus Sprengeri, 2-in., \$2.50 per 100; 3-in., \$3 per doz.; \$6 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

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Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2-in., extra strong, 2c; \$17.50 per 1,000. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Azaleas, Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees, Bobbink & Atkins, Rutherford, N. J.

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Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

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Chicago.

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Carnations. F. Dörner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

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If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

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Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Coleus, assorted varieties including Versehaefeltii, 2½-in., 2c each. Mosback Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

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Crotons, 7-in., \$1.50 each; \$15 per doz.; 8-in., \$2 each; \$18 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 3-4 in., \$3 to \$4 per doz. Anton Schultheis, College Point, L. I.

Crotons, 4-in., \$2 per doz.; 3-in., \$1.50. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz., \$15 per 100. D. C. Augspurger & Sons Co., Box 394, Peoria, Ill.

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Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlia, R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlia, Pape & Bergman, Quedlinburg, Germany.

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Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracena fragrans. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, from \$1 to \$3 each. Anton Schultheis, College Point, L. I.

Dracena Massangeana and Lindenii, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

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Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

HARDY FERNS.

Adiantum pedatum (maidenhair), Asplenium Felix-femina (lady fern), Onoclea sensibilis, Onoclea struthiopteris (ostrich fern), Osmunda cinnamomea (cinnamon fern), Osmunda Claytoniana (interrupted fern), Pteris aquilina (brake fern). Sample specimens, 10c each. Write for prices on stated quantities.

Ludwig Mosback, Askov, Minn.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Ferns for dishes, asst., 2-in., \$3 per 100. Amerpohl, 2½-in., \$4.50 per 100. D. C. Augspurger & Sons Co., Box 394, Peoria, Ill.

Ferns from benches, Boston, Elegantisima, 3-in., 6c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scottli, 3-in., 6c; 4-in., 10c. Runners, Boston, Elegantisima, Scottli, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantisima, 3-in., 10c; 2½-in., 5c. Ferns from bench, Boston, Pierston, Whitman and Elegantisima, ready for 6 to 10-in. pots, 40c to \$1 each. Mosback Greenhouse Co., Onarga, Ill.

FERNs, from bench, ready for 4-in. pots, Boston, Elegantisima, Pierston, Barrows, extra nice stock, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz., 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, assorted for dishes, 2½-in., (four selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Anton Schultheis, College Point, L. I.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Whitman, 4-in., 25c; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Ochslin, 4911 Quincy St., Chicago.

Neph. Giatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 6-in., 36 ins., \$2.50 each; 7-in., 48 ins., \$3.50. Ficus repens vine, 2-in., 50c per doz.; 3-in., \$1 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus pandurata, 24-ins. high, \$1.50 each; 30 in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Costelline, Poitevine, Joulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mmc. Saleroi, 2-in., \$5 per 100. G. M. Emmans, Newton, N. J.

GERANIUMS, 10,000 Beate Poitevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 2½-in., standard varieties, \$3 per 100; \$25 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

Geraniums, standard sorts, \$2 per 100; \$18 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, leading varieties. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays, Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsomas & Co., 50 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

IRIS GERMANICA Honorabilis, Atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Viridis, Walmeri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosback Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotrope, 2½-in., \$2.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy, field-grown plants, \$8 per 100. Mosback Greenhouse Co., Onarga, Ill.

Jerusalem cherries, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

LILACS.

Lilacs. Jaes Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grades of pips grown by Mr. E. Neubert, Wandersbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jaes Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Maun, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MANETII.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, finkias, Japan maples, hydrangeas. Jaes Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Norway Spruce, 18 to 24 ins., 5c each; 2 to 3 ft., 7c; 3 to 4 ft., 10c; 4 to 5 ft., 15c. D. T. McCarthy & Sons, Lockport, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Nursery stock, ornamental trees and shrubs.
W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, giants, Masterpiece, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

Pansies, open frame grown, stocky plants TRIMARDEAU, mixed, 50c per 100, \$3.00 per 1,000; GOLD MEDAL, mixed, 50c per 100, \$4.00 per 1,000. J. L. Schiller, Toledo, O.

PALMS.

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Bel., 6-in., \$1.25 each; 4-in., \$35 per 100; 2½-in., \$10. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Phoenix Roebeleni, 4-in., 75c each; \$8 per doz.; 5-in., \$1.25 each; \$14 per doz.; 6-in., \$2 each; 7-in., \$2.50 each. Vaughan's Seed Store, Chicago and New York.

PALMS. Kentia Bel., 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Anton Schultze, College Point, L. I.

Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyncoote, Pa.

Cycas, \$1 to \$3 each. Vaughan's Seed Store, Chicago and New York.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$6 per doz.; 7-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Pandanus Veitchii, 5½-in., \$1 each; 6-in., \$1.25; 7-in., \$1.50; 8-in., \$3. Anton Schultze, College Point, L. I.

Pandanus Veitchii, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies. McHutchison & Co., 17 Murray St., New York.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jans Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 2½-in., \$2.50 per 100; 3-in., \$5. Frank Oechslein, 4911 Quincy St., Chicago.

Celestial peppers, 4-in., \$7 per 100. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

PRIMULAS.

Primula Chiuensis: Purpurea flm. Alba Magnifica, Kermesina Splendens, Pyrope and Cornelia. We import our own seed direct from the best European specialists. Strong 2-in. plants that need shifting, \$2 per 100; \$20 per 1,000. Cash. N. E. Beck, Massillon, O.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Rondsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsdorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese, 2½-in., \$12 per 1,000; \$1.50 per 100. Obc. alba, and rosea, \$2 per 100. Obc. gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. Chiuensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, McHutchison & Co., 17 Murray St., New York.

Rhododendrons, Jans Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis B. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots; White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helena Gold, \$3.50 per 100. Also M. Neil, 3½-in. pots, \$4 per 100. Flower of Fairchild (Ever-blooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses on own roots, budded, bedding, H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, White Killarney, \$50 per 1,000. Pink Killarney, \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, McHutchison & Co., 17 Murray St., New York.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, grafted Pink Killarney, 3½-in., 10c. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, hybrid perpetuals and rambiers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

SEEDS.

Seeds, cyclamen: Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Flske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everet B. Clark Seed Co., Milford Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Vaughan's giant-flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seed, Lobelia cardinalis, \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Lüneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seed, crimson clover. J. Bolgiano & Son, Baltimore, Md.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rennett, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Eurasian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS.

Strawberry plants. Strong young Senator Duplicates, 55c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

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Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VINCAS.

Vinca variegata, field-grown, cut back early August, now branching freely, 5c. J. L. Schiller, Toledo, O.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Marie Louise, good, clean, healthy plants, 2½-in., \$2.50 per 100; \$20 per 1,000. Cash with order. Lampert Floral Co., Xenia, O.

2,000 Gov. Herrick Violets, strong plants, 2-in. pots, \$2 per 100; \$15 per 1,000. Shore & Haigh, Evert, Mich.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 32-36 Randolph St., Chicago.

Deamund Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

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 Hoerber Bros., 51 Wabash Ave., Chicago.
 Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.
 Hunt, E. H., 76 Wabash Ave., Chicago.
 Kasting Co., W. F., Buffalo, N. Y.
 Kessler Bros., 450 6th Ave., New York.
 Kuehn, C. A., 1122 Pine St., St. Louis.
 Kyle & Foerster, 51 Wabash Ave., Chicago.
 Langjahr, A. H., 53 W. 28th St., New York.
 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 28th St., New York.
 Moore, Hentz & Nash, 55 W. 26th St., New York.
 Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
 Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L., Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 N. 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Welland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlog, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Wieter Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky.—F. Walker & Co., 634 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 Montreal—McKenna.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moninger-Turman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1304 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblein & Co., Utica, N. Y.
 Boilers, Lord & Burnham Co., Irvington, N. Y.
 Boilers, Hitchings & Co., Elizabeth, N. J.
 Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
 Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.
 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietrich Co., 2642 Sheffield Ave., Chicago.
 Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.
 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

COAL.

Coal, Sunshine, Indiana Brazil Block, Pocahontas, W. Virginia Splint, Youghiogheny and Southern Illinois. R. C. Whitsett Coal & Mining Co., 355 Dearborn St., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
 Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.
 Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.
 Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foey Mfg. Co., Western Ave. and 26th St., Chicago.
 Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.
 Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.
 Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' Improved iron gutters. Dillor, Caskey & Keen, 6th and Berk Sts., Philadelphia.
 Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.
 Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.
 Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.
 Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.
 Alphone, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDoell, Mexico City, Mex.

MISCELLANEOUS.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.
 Carnation stakes. For prices see advertisement elsewhere in this issue. C. C. Pollworth Co., Milwaukee.
 New Imported Florists' Baskets. The Radelin Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.
 The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.
 Model extension carnation support; galvanized rose stakes. Igoo Bros., 266 N. 9th St., Brooklyn, N. Y.
 New imported florists' baskets. The Radelin Basket Co., 713 Milwaukee Ave., Chicago.
 Muller's double improved carnation support. O. A. Muller, Ambler, Pa.
 The U. S. rocking grate bar. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.
 Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.
 Cut flower and design boxes, all sizes. U. C. Pollworth Co., Milwaukee, Wis.
 Richmond carnation supports. Eagle Machine Works, Richmond, Ind.
 Ideal coin transmitter. Hemphill-Stehlin Co., Indianapolis, Ind.
 Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.
 Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.
 Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.
 Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.
 Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.
 Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.
 Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.
 The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

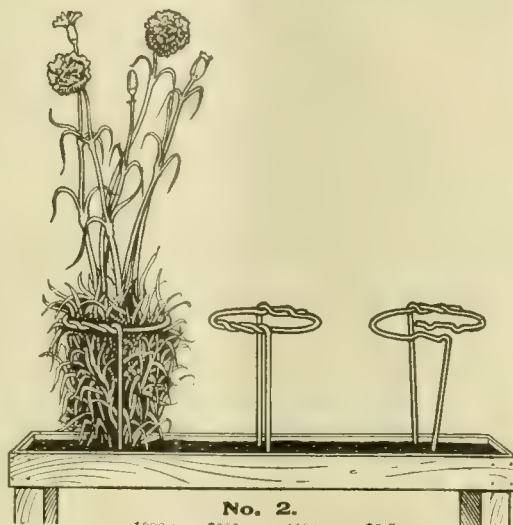
Support Your Carnation Plants Properly and They Will Support You



No. 1.

With two rings \$16.00 per 1000; 5000 for \$75.00.
With three rings \$18.00 per 1000.

Now is the time to put in some of our Carnation supports to show you how much more practical, economical and serviceable they are above other makes. Note our reason:



No. 2.

1000 to 3000	per 1000	-	\$8.50
5000 to 10000	"	-	8.00
15000 to 25000	"	-	7.50
30000 to 50000	"	-	7.00

They are easily put up and just as easily taken down, no tangled mess of wire to store away. They pay for themselves quickly by the additional and superior blooms gained with the proper support your plants. Our No. 1 needs no overhead wires or strings except one thin wire which locks on the clamp in the support holding it upright and in place.

Our No. 2 support acts as a stool for your plants, allows no sagging. With this support you use overhead wires or strings to keep blooms growing erect. It opens on both sides so all side shoots can be put in easily at all times. Note the low prices.

C. C. POLLWORTH CO.,

Milwaukee, Wis.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our free catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

MCCRAY REFRIGERATOR CO

269 LAKE ST., KENDALLVILLE, IND.

Birmingham, Ala.

The Amzi Godden Seed Co. gave a barbecue and outing to their employees and florists, and also the nurserymen and all connected with the florist business. Special cars took the party to West Lake, where they were met by G. B. McVay, vice-president of the Amzi Godden Seed Co. and A. J. Koenig, who had gone the day before to arrange the good things for the comfort and pleasure of their guests. They thoroughly demonstrated that they were experts at barbecuing and flinging soft drinks. We all know that A. J. Koenig is a good grower of judgment and ability. We all are of the

same opinion of any gentleman who was seen waiting on the ladies, they would have envied him I know.

After refreshments were served we went to the lake and enjoyed boating and swimming. Here we found W. A. Luther, the Ensley florist, demonstrating his ability as a swimmer and teaching a lot of young ladies how he performed in the water. We missed the presence of George Luffman as he is a good fisherman. I believe we had the oldest florist in the south with us Dan Ire—he celebrated his seventieth birthday that day. When asked how he felt, his reply was: "Why, boys, I am the youngest one here!" It certainly looked that way for he was having as much fun as a sixteen-year-

old boy. "Long may you live, Dan," was the boys' toast that day for there are but few of the old school left. A very enjoyable day was spent, every one having a good time. The firm of Amzi Godden does things right, both business and pleasure. Every one returned home happy, without a single accident, and wishing the firm a great success throughout the whole year.

ZANESVILLE, O.—J. T. Goodlive has moved from his Main St. store to North Fourth St. in the business section. The new store has been thoroughly renovated and equipped with refrigerators, and nicely stocked with the necessities of the trade.

Tacoma, Wash.

NORMAL BUSINESS.

We just wonder why there had to be but one report concerning business conditions in Tacoma that had to be emphasized as "rotten." Just one that is engaged in the business here gave a version of business conditions with such a gloomy expression. One or two spoke of having it rather easy to get out the orders, but taken as a whole reports show a good average business, better than in previous seasons, so the end of the dull season that approaches very soon will speak the season of 1910 as being good for the florists. Reports from those engaged in growing vegetables under glass tell of a good season and prices up to former seasons. The end of the tomato crop under glass with most growers was a month ago and some are already beginning the preparation for another season. The one variety claimed the best and most profitable is Comet. It's the best in this locality and every one has the same report about its good qualities. The planting in of new field grown plants of carnations is finished in and near Tacoma and in most every case was a success. Generally the plants were of good size and lifted well. A few tell of them starting slow and are already worrying about a late crop. The numbers planted are practically the same as last season and as to varieties they are Enchantress, in white and pink, some Craig, Beacon, Victory, a few Lawson and they all tell of the same new ones, "nothing new." The new public market at present contains three floral booths, but none were making anything during the warm dull season. Talk about fine asters! We believe this our best season in that line and wish some of our eastern friends could see some real asters. Crego is the leader here.

AN ENTERPRISING FIRM.

The Northwestern Floral Co. is now closed inside its new range that has been added on this summer and carnations, mums and a house of ferns are simply fine. The new addition puts them equal to any floral establishment in our city and the houses while they may be classed rather past style and of the old wooden type, will certainly be good producers. Steam heat is to be used and we should think a 50 horse power boiler well fired will be able to maintain the heat desired. This firm has a general retail trade at the greenhouses and in past seasons took many contracts for gardening work. At present they are arranging to grow plants and cut flowers more extensively and have rented a store room in good location with intention of opening up in the store line with cut flowers, plants, seeds and bulbs. More about the store later on. Some mums are showing color very nice and promise some good large blooms mostly of the yellow and white colors. We often wonder why old Glory of Pacific is never grown as an early pink out here. Some well grown plants in pots would sell and pay a good profit—but there is absolutely "nothing doing." We fail to see any neater office or salesroom anywhere in the West than this firm has and lately the street has new pavement, so they may soon begin to wonder as others have done about whether the property can be kept so it will pay any good per cent on what they are forced to have in the property investment. Sometimes it would pay best to get out of business or rather to move out.

S. L. H.

OMAHA, NEB.—The Annex Flower Shop adjoining the Brandeis theatre opened September 12. The appointments and interior decoration are quite unique.

ABOUT

GREENHOUSE CONSTRUCTION

Let us solve your problem for you. We have a reputation for doing things in the most scientific way, and have a wide experience. These are the things that count.

"Ask the man" that has a King Greenhouse. Get our bulletins. Eventually you will be a King customer. Why not now?

King Construction Co.,

NORTH TONAWANDA, N. Y.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.

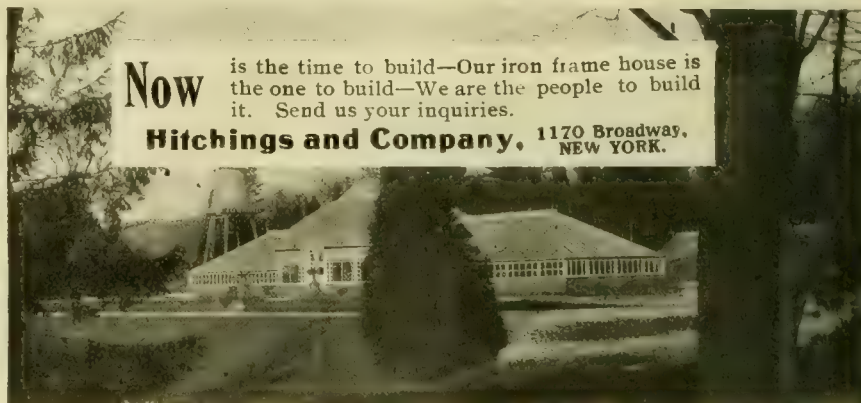
WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,

CHICAGO.

Telephones: Lincoln 410 and 411.



Now is the time to build—Our iron frame house is the one to build—We are the people to build it. Send us your inquiries.

Hitchings and Company. 1170 Broadway, NEW YORK.

You get the best, at a reasonable price, when
you order material of our

Louisiana Red Cypress

— PLANS AND ESTIMATES FREE. —

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings. Glass,
Ventilating Machinery, Hotbed Sash, Pecky Cypress.

The Foley Manufacturing Co.,

Western Ave. and 26th St.,
CHICAGO.

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.



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CHALLENGE
VENTILATING
APPARATUS**

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QUAKER CITY MACHINE WORKS
6600 RICHMOND, IND.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Make Every Catalog Bring an Order

Our Little Device Does It
Without Fail.

It goes out with the catalog, takes the order when the customer is in a buying mood, collects the money, and brings it to you without extra expense to either the customer or you. That's why we guarantee results.

Order NOW for Your New Catalog.
Samples and quotations on request.

Hemphill-Stehlin Co., Indianapolis, Ind.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural traders: it is also taken by over 1000 of the best continental houses.

Annual subscription, to cover cost of postage, 75c. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

Rope and Paper From Cacti.

That the cactus plant, which grows in abundance in the western part of Texas and throughout Mexico, is of real commercial value and will revolutionize the rope and paper making industry is the belief of P. S. Tilson, manager of the Houston Fabrications, and an experienced analytical and consulting chemist. For some time past Mr. Tilson has been conducting experiments with the leaves of the cactus plant in his Houston laboratory. "I am convinced," Mr. Tilson said recently, "that an excellent quality of rope and good wrapping paper may be made from the leaves, and that valuable alcohol may be extracted from the pulp."

When the leaf was procured and the experiments started the first thing done was the separating of the fiber from the leaf. The fiber is easily extracted and requires no chemical treatment afterwards—only a very thorough washing and drying. The fibers, which are from one to three feet in length, are stronger than manilla or cotton fiber, and, unlike them, can not be picked apart. A dozen strands twisted together can not be broken by the average man.—Commercial Fertilizer.

KROESCHELL HOT WATER BOILERS

ORDER NOW

TELEGRAPH AT OUR EXPENSE

* This Boiler has found great favor with the greenhouse trade throughout the entire country. The Kroeschell will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

Send for catalogue.

452 West Erie St. ILL. CHICAGO.

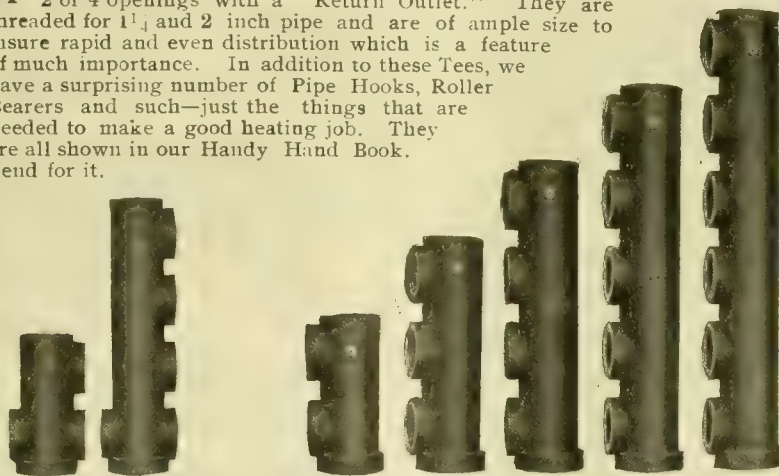
WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

KROESCHELL BROS. CO.

Branch Tees

HERE they are, with 2 to 6 openings in "One Way" and 2 or 4 openings with a "Return Outlet." They are threaded for 1 1/4 and 2 inch pipe and are of ample size to insure rapid and even distribution which is a feature of much importance. In addition to these Tees, we have a surprising number of Pipe Hooks, Roller Bearers and such—just the things that are needed to make a good heating job. They are all shown in our Handy Hand Book. Send for it.



Lord and Burnham Company,

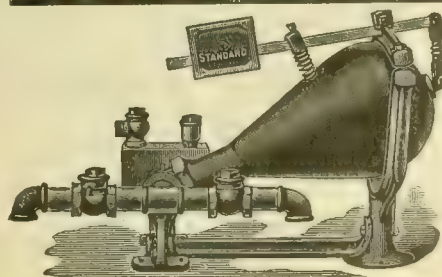
Irvington, N. Y.

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The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

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Brightest and Best British Trade
Publication. Also

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Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Morristown, N. J.

The Morris County Gardeners' and Florists' Club met September 14, after two months' vacation,—for some of them; others had to scratch. About thirty members were present and the big flower show we are going to have was the talk. The Whipping River Club, where we had made all arrangements to hold the show, was burned to the ground last July. That left us high and dry, not a drop of water to sail our boats on. Dr. D. H. McAlpin and Robt. D. Foote, always our steadfast friends, got in harness and we were able to get the club house of the Morris County Golf Club, lots of room, very near Convent Station and easily accessible in every way. The members of this exclusive club, as well as those of the Whipping Club, are with us in our effort to have a "banner show." Wm. Duckham, chairman of the flower show committee, has worked strenuously and used rare judgment in handling delicate questions that came up to him. We consider that so far as we are concerned we have a better place than even the Whipping River Club. Arthur Herrington has taken measurements and is ready now to answer intelligently all questions about space. Our schedule, which we were unavoidably delayed in getting out, will be ready in a few days and will then be mailed. E. R.

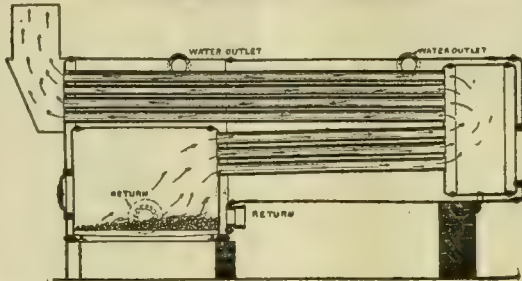
NEW HAVEN, CONN.—A beautiful display of dahlias, gladioli, and asters was shown at the meeting of the County Horticultural Society, September 14.

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
 $\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



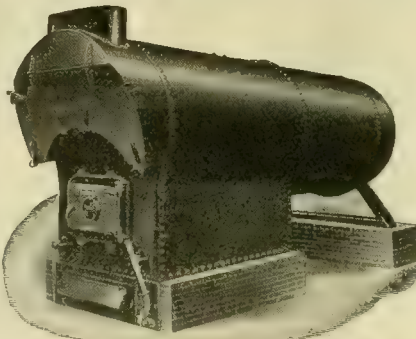
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

Mention the American Florist when writing



The Gem City Return Tubular Firebox Boilers

Are the most economical for
Greenhouse heating.

Send for descriptive matter
and prices.

THE GEM CITY BOILER CO.
DAYTON, OHIO.

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The Grate Does It!



Saves 10 to 25% of the
coal your boiler is using.

Positive guarantee given

Send for circular "N"
and our famous Lecture
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U. S. ROCKING GRATE BAR CO.,

77 Jackson Boulevard,

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Mention the American Florist when writing

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.
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Boiler Flues

4-in. and other sizes, cleaned and trimmed
ready for heating, retubing boilers or gutter posts.
Prices right. Also sales Agent for Stuttle's Patent
Clamp for joining flues.

H. MUNSON,

506 No. State Street, CHICAGO, ILL.
Mention the American Florist when writing

Greenhouse Material and Sash Of Every Description.

Get our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.

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Steel Return Tubular Boilers

The Most Economical Type of Boiler
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We are shipping orders for

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every day, but feel that we can take care of your orders also.

We assure you that your orders or inquiries will receive our prompt and careful attention. Send us your orders or write for prices and we will be glad to have the opportunity of figuring for you.

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CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
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MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
The A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

Holds Glass Firmly
See the Point **43**
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Chester, Pa.

Mrs. E. M. Bartow, who succeeded to the business of her father, the family having been in the florist business for forty years, has a very nice store in the heart of the city and does a good business in decorative and funeral work.

Milton H. Bickley is preparing to force about 195,000 bulbs of narcissus, tulips and hyacinths. As he has a very small glass area, it is a wonder to many how he manages it so successfully.

M. E. Pierce is another of the old time florists with a considerable glass area. He can talk interestingly on the various features of the business.

J. F. Scullen now conducts the greenhouses at Fifteenth street and Edgemont avenue formerly run by Mr. Wilson.

Harry E. Bloom now conducts the business at 1805 West Third street formerly run by J. Croucher.

T. H. Sutcliffe, the bachelor florist, keeps busy and is showing quite a variety of stock.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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651-659 Washington Boulevard, CHICAGO.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in

Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

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Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON CUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

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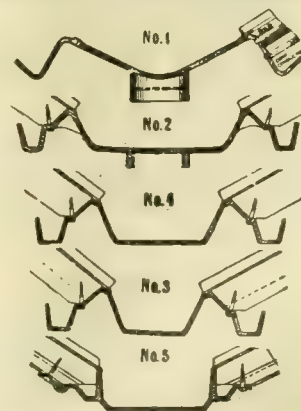
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Lock the door before the horse is stolen,
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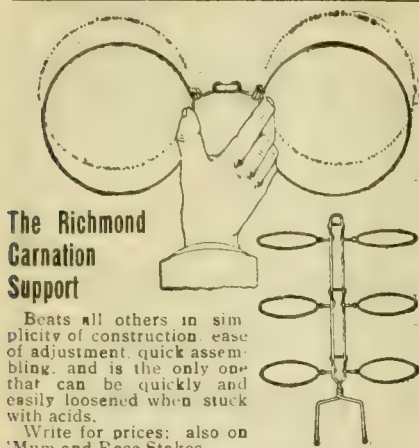
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Ask the man who has tried them. For further particulars, write to

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The Richmond Carnation Support

Beats all others in simplicity of construction, ease of adjustment, quick assembling, and is the only one that can be quickly and easily loosened when stuck with acids.

Write for prices; also on 'Mum and Rose Stakes.'

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With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

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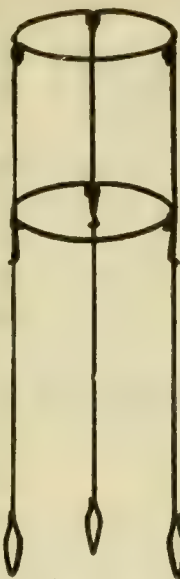
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Sphagnum Moss

Dry; in burlap bales; size of bale, 16 by 16 inches by 4 feet long; average weight, about 30 pounds. Price (cash with order): Per bale, 75c; 10 bales, \$6.50.

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Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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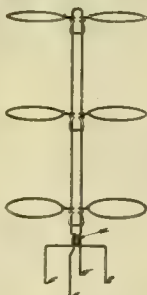
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Is the only Support on the market that does not have to be tied overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks For Itself.

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Pat. Feb. 8 1910

WIRE

cut in any length
Silver, Green
Cotton, & Green
Lacquered Wire.

Syringes, Wire-Shears, Pincers, etc., at
VERY MODERATE PRICES.

Carriage paid to Hamburg on all goods over \$25.00.

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Manufacturers of Wire and Wire Goods,
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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

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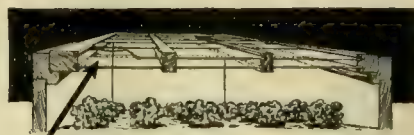
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Manufacturers and Dealers of

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We take Fixtures in exchange. Tel. Monroe 5616
We make a Specialty of Florists' Ice Boxes



Pay for themselves in a single season

Sunlight Double Glass Sash will more than pay for themselves in the better, earlier crops that will bring the big prices on the early market—and in time and labor saved in caring for the beds.

You never have to cover Sunlight Sash

You can throw away expensive boards and mats. You can save all the time you now take to cover and uncover the beds—because Sunlight Double Glass Sash have—

Two layers of glass instead of one

(See diagram above)

Between the two layers of glass is a $\frac{3}{4}$ inch layer of dry still air. This transparent blanket is a perfect non-conductor, keeping in the heat—keeping out the cold—permitting the plants to get all the light all the time, which means bigger earlier plants. Glass is held in place without putty. Cannot work loose—easily replaced.

Agents Wanted: A splendid opportunity. Write for details.

Send for these two books

1. Our Free Catalog—Contains the details of this new invention for hot-beds and cold-frames—our freight prepaid and guaranteed delivery proposition.

2. Send 4c in stamps for a valuable booklet on hot-bed and cold-frame gardening by Prof. W. F. Massey. There is no higher authority in the country. This book will interest the most expert gardeners.



Sunlight Double Glass Sash Co.
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We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in **Glassware, Pottery, Decorative Greens** and all **Florists' Requisites.**

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Plant Bed Cloth

For Florists Gardeners. Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

For Reliable Stock From Reliable Dealers

Keep Tab on Advt. in THE FLORIST.

Directory for 1910

*Price \$3.00
Postpaid.*



THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

*Contains
570 Pages.*

Now Ready

Aphine

*The Insecticide that
kills plant Lice
of every species*

Its merits have been conclusively proven through public demonstrations

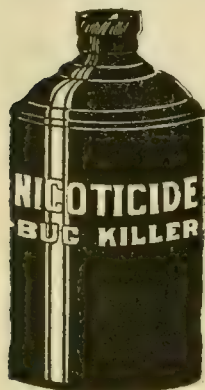
Aphine will not injure the tenderest flower or foliage—in fact it invigorates plant life.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, White and Brown Scale.

\$2.50 per gallon, \$1.00 per quart. Get it from your seedsman, or write

Aphine Manufacturing Co.
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MacROBIE-McLAREN COMPANY,
Crocker Building, San Francisco, California.



THE BEST
Bug Killer and
Bloom Saver

For **PROOF**
Write to

P. R. PALETHORPE
COMPANY,
Owensboro, Ky.

Newport, R. I.

The exhibition of the Newport Horticultural Society opened at Masonic Hall, Newport, on September 24. It was one of the finest shows ever held by the society, both in display and number of exhibits. An interesting feature was an exhibit by the Rhode Island State College of insects which are harmful to plants and trees. The principal awards were to Miss Fannie Foster of Boston in the yellow dahlia classes: Mrs. William Leeds of Newport in red dahlias; Mrs. T. O. Richardson of Boston for pink dahlias; Col. John Jacob Astor of New York for foliage plants, and Mrs. Robert Goellet and Mrs. August Belmont ferns and decorative plants. There were twelve exhibits of table decorations. The prize for the best decoration of any kind of flowers and foliage was won by Oscar Schultz. For the best decoration of out-of-door flowers and foliage Mrs. William Storrs Wells, and the third class, which called for a more elaborate decoration, Mrs. R. L. Beekman. The committee of arrangements was James Robertson, John A. Forbes, A. S. Meikel, John B. Urquhart and W. F. Smith, and the reception committee were J. J. Sullivan, Alexander McLellan, Bruce Butterton, James McLeish, Andrew K. McMahon and Richard Gardner.



PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Toppresing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers.

Also **Exporters of Pure Scotch Soot** Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenfords, Scotland.

Mention the American Florist when writing

The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **\$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8 1910

Mention the American Florist when writing

Mrs. John T. Allen, wife of ex-President Allen of the Newport Horticultural Society, died on September 19.

Andrew J. Dorward, gardener for Mrs. T. J. Emery, with his wife and daughter have sailed for Scotland.

The Newport County Fair opened September 20, more elaborate and extensive than ever in the fruit, flowers and vegetable department. G. A. J.

OAKLAND, CAL.—Domoto Bros. are building an addition to their greenhouse plant on Bowling avenue.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

*green Flies and
black ones too*

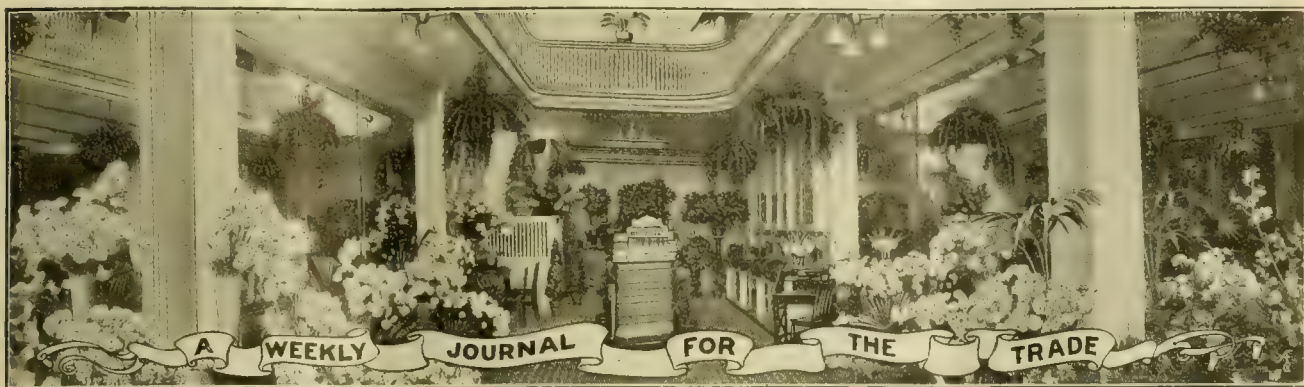
are easy to kill with
The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

THE AMERICAN FLORIST



America is "the Frow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, OCTOBER 8, 1910.

No. 1166

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President, BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

**Turn Your Surplus
Stocks Into Cash
By Advertising in the
Ready Reference
Department.**

HALF HOUR CHAPTERS FOR PLANT GROWERS

Primula Obconica.

Primula obconica is now very ex-
tensively grown for the holiday and
winter sales and is a very handsome,
useful plant. The growth of this plant
has been very well covered in our notes
for three years past. This variety will
need a little warmer location than the
Chinese Primulas, but if good saleable
plants are wanted, space must be left
between them to insure growing room.
Watch for white fly, this little pest is
very difficult to destroy, and the hairy
growth under the foliage is a veritable
nest for it. Hydrocyanic acid gas is the
only sure method of destroying it, but
this must be used with care and con-
tinuously if these insects secure a firm
hold. Constant syringing under the
leaves during bright weather will keep
them down. This variety of Primula
is extensively used as a cut flower in
some localities. Remember always that
primula obconica is a very irritable
poison to some people, but quick relief
may be obtained by the use of tincture
of red puccoon or red root (*Sanquin-
aria Canadensis*), which is also very
efficacious in Rhus poisoning.

Azalea Indica.

There is no plant that has pushed
itself into public favor more rapidly
than the Azalea, especially those that
can be brought into bloom for Christ-
mas. While it is yet a little early for
the plants, that are to be imported,
to arrive, yet it is time to be getting
ready for their reception, for they have
been a long time in transit and should
be taken care of immediately upon
their arrival. See that you have Aza-
lea pots enough to plant them in, that
is, the half size pot, for they are much
more salable in this than in the stand-
ard sizes. Have your loam all ready, it
is not necessary that it be peat, for
any good fibrous loam with a little
sand mixed through it will answer your
purpose. As soon as the plants ar-
rive, get them moving as soon as pos-
sible, they have been out of the ground

for some weeks and early attention will
better guarantee good results. As soon
as the plants are taken from their ship-
ping case they should be examined to
ascertain if they are in a dry condi-
tion and before potting should be
plunged in a pail of water that the
ball may become saturated with mois-
ture. While many growers advocate
potting direct from the packing case
and then soaking the soil in the pot,
yet this will take a number of water-
ings, and if not thoroughly done will
result in the loss of much of the foli-
age. Firm the soil well in the pot and
place the plants in a cool, shady loca-
tion and syringe frequently until the
leaves take stiff upright position and
healthy color. They may then be
placed in the full rays of the sun and
in the house where they are to be
grown. Occasionally the query is asked
how long will it take to bring an Aza-
lea into bloom for Christmas. A great
deal depends upon the condition of the
stock and the care that it receives
upon arrival, but eight weeks in a
temperature of 60° at night and kept
warm and moist during the day will
produce good plants of the earliest va-
rieties, but if Hexe is desired for
Christmas, it will be necessary to give
a warmer location.

Cyclamen.

The approaching cool nights spurs
this plant into a rapid, luxuriant growth
if the summer treatment has been con-
genial. They should be given a light,
airy location not too far away from
the glass and a temperature of as near
55° as is possible should be maintained.
The handsome foliage with which this
plant is decorated and which so en-
hances its value should be very care-
fully watched, for red spider finds a
ready foothold on the thick fleshy
leaves and soon ruins the plant. Care-
ful syringing on the under side of the
foliage will eradicate this pest. As
soon as the buds begin to set keep an
eye out for thrips who work sad havoc
among cyclamen at times, a little to-

bacco dust sprinkled around the bulb will keep them in check.

Primula Sinensis.

While the Chinese primroses are not as popular or in as good demand as they formerly were, the newer plants having thrust them into the background, yet well grown specimens find a very good sale. They should now be making a good strong growth and, though a cool growing plant, should be placed in a position where they can

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Window Decoration at Washington, D. C.

A good window decoration is always a paying investment for a retail store, and it is pleasing to note that, each year, retail florists all over the country, pay more attention to this class of work. During the past summer aquatic and rustic scenes have been in vogue.

Making Florists' Places Attractive.

That florists in general do not pay more attention to home decoration, and in endeavoring to make their places attractive, and to use their surroundings for advertising purposes, has been remarked and written upon for years, but occasionally we see a residence of a florist, that immediately engages the attention of the passerby, and the thought of what many others might do is impressed upon our mind. The planting of shrubbery, and bedding out the blooming stock, which the florist endeavors to make his customers believe he knows how to do, would certainly receive an impetus and convince that same customer, if he endeavored to make his own grounds beautiful and keep them so.

We know that in many cases the florist's grounds are, like the shoes of the much quoted shoemaker's wife, the last that receives his attention, but outside of the artistic view, is this good business? In walking through the large cities, every one must notice that the large stores are spending money lavishly on their show windows, buying expensive goods for that purpose only, and the enterprising florists are placing their most attractive blooms in their windows in order to induce the customer to enter and buy, but, sad to relate, there are many florists throughout the land who, having the goods wherewith to adorn their homes and places of business, neglect this great opportunity to impress upon their buyers the capabilities, not only of themselves but also of the beautiful works of nature with which they labor. While the majority of these endeavor during the winter to make their greenhouses attractive to the eye, yet, they seem to forget that more people are passing their places in the summer than in the colder months and a place well adorned will make the passerby remember where to find the florist when wanted. But if the door is left littered with empty dirty flats, the frames in front of the homes left just as the last lot of pansies was lifted, or the bedding plants taken out, and numerous other neglectful things which it has been our privilege to notice, it certainly does not induce the strangers to remember the location



AN ATTRACTIVE FLORIST'S PLACE.

Mrs. A. S. Fraleigh's, Holyoke, Mass.

be easily protected, and if in a climate where cold nights are expected, where a little mild heat can be granted. They should not receive any check at this stage of their growth. Give each plant plenty of room; it is a great mistake to crowd the pots so closely together that the plants have no room to make proper growth and consequently stretch themselves all out of shape. Stand them up on the bench or bed so that the foliage does not touch the boards or dirt. The smaller plants or those that have grown one sided can very soon be used in making up pans, four to six, according to size, in an eight-inch bulb pan, these, if well grown, will find good sale at Christmas.

Asparagus Sprengeri.

If you have a few plants of this useful variety left over after planting out the beds, make up a few pans, placing four or five in a 6-inch pan eight or ten in an 8-inch pan and grow them on until Christmas. They will make a very saleable article during the early winter, but they are great root producers and by the early spring months the pans will be so full of roots it will be difficult to keep them watered. These small plants can also be used in the wire hanging baskets. Place sphagnum moss around the sides and in the bottom of the basket and fill with soil and then plant the basket full of the small plants, top, sides and bottom. This makes a very effective winter hanging basket.

The accompanying illustration is of a window in the store of the Washington Florists' Co., Washington, D. C., of which Otto Bauer is manager. As will be noted, there is an artificial pond filled with lilies and various aquatics. A rustic walk leads to the large summer house in the rear, in front of which the Japanese lanterns are suspended. To the left is a mass of clematis, with wild asters, gladiolus and various other flowers and foliage plants throughout. The other rustic features can be readily recognized. This window received much favorable comment.



AN ATTRACTIVE FLORIST'S PLACE.

Mrs. A. S. Fraleigh's, Holyoke, Mass.

SAN FRANCISCO, CAL.—The state floral society will hold a flower show at the Fairmont, October 20-22, 1910.



WINDOW DISPLAY OF WASHINGTON FLORISTS' CO., WASHINGTON, D. C.

with respect, or enter the grounds and receive attention, for if the proprietor is too busy to look after his own grounds he is too busy or too lazy to wait upon a new customer and attend to his wants.

But let us look at the other and the more prosperous side, and the writing of the above was induced by receiving the accompanying photographs which show what can be done in a short time and by the proper spirit. They picture the home and business location of Mrs. Amelia S. Fraleigh of Holyoke, Mass., and we insert the following quotation from "The Past and Present Progress of Holyoke." The scientific cultivation of flowering plants is successfully carried on in Holyoke by Mrs. E. S. Fraleigh, at 10 Clark street. The industry dates back only three years, but during that time it has steadily increased in output, requiring added facilities from time to time. One large conservatory 74x120 feet is devoted to violets, geraniums, bedding plants, etc., and cut flowers are furnished for private or public functions, and floral designs for weddings and funerals.

Mrs. Fraleigh takes a deep interest in her work, has a natural bend for floriculture and no doubt in the near future will be compelled to add to the size of her plant. She is a Pelham (Mass.) lady and highly esteemed in social circles for her many admirable

qualities, is a member of the Civic Improvement association, also of the M. E. Church Home Department and the Rebekahs.

Store Wisdom.

Now that the town residences are opening up there will be a hurryup call for the filling of the fernery. This little table ornament is generally the first order of the returning family and while not much in itself is often the key to a whole lot of business, in fact, this same small spot of green is frequently known to make or lose a customer and the careful handling of this commission is most important. When the fires are going complaint is frequent that ferns did not last a week, in fact, some of them died in a day or were dead when they arrived, must have been frozen, and so forth. In such cases as these it is best to repair or refill without question, sending the dish back by a competent person who will see the party who has the care of the ferns and explain the best manner of treating as to watering and position. A careful record should be kept of the kind of ferns and the quantity used, as certain varieties are favorites with some on account of their grace and supposed hardiness, while others prefer different sorts for the same or other reasons. It is best to have the filling of these dishes in the hands of one man, as he gets to know the wishes of the customer. It

is important to have a record of date of each filling, as so often it is reported it only lasted a week when on reference to the book the time is found to have been three weeks or perhaps longer. The number of ferns used is also important, as sizes of ferns vary with the season, the large bushy plants of the fall being as a rule much better than those delivered later in the winter, and when the price is first for seven to ten ferns and later for twelve to fifteen, it takes a lot of explaining to account for the difference, and often there are missing dates in the fern book, as they try to see if they cannot do better elsewhere.

It is the little things that count and every complaint, however small, should be investigated and in nearly every case even what looks like rank injustice against the firm should be overlooked and the customers satisfied. Charge up to profit and loss, but don't let a customer go out with a grievance, it is bad policy. When errors of omission or commission are made and they will occur at times, it is best to straighten them out at once, in fact, it is imperative that they be rectified at the earliest possible moment and the greatest willingness shown to rectify the mistake. When the wrathful customer comes in fairly boiling over, it is best to hear his complaint patiently; don't stop him with excuses, he is in no mood for them and they only add fuel to his fire. When he has

cooled down a bit ask him what he would like you to do in the matter, state that you will make every reparation in your power and in a short time he goes away in a satisfied and entirely different frame of mind. K.

CHRYSANTHEMUMS

Cultural Notes.

The time is at hand when frosts may be looked for any night and a little steam heat in the houses will be a necessity, but do not rush things along in this respect until conditions of temperature and dampness demands that the heat be turned on. Chrysanthemums love a cool, fresh temperature, particularly at this time, when the hardening of the wood is taking place and a close moist atmosphere must be avoided, plenty of ventilation should still be given on every favorable night. It is a serious mistake to close down the ventilators tight, during the night, with the idea of keeping up the temperature in this way, because this will cause dampness, resulting in the spotting of the foliage, rust and other diseases. When firing has to be resorted to the best system to adopt is to turn on a little steam, using a single line of pipe, to the house whenever the heating arrangements will permit, leaving the ventilation on a little at this same time. This will insure against any dampness and provide a free current of fresh air. A night temperature around 45 degrees is best suited to the plants until the flowers commence to show color, after which a raise of two or three degrees will be necessary for their proper development and to guard against the damping of the petals. Guard against a high, close temperature at any time, it having a tendency to cause soft petalage that will burn very quickly from the sun on bright days.

The buds on the very late varieties are showing up very fast and they should be taken as soon as large enough

to handle safely; these late varieties require more frequent waterings than the earlier and midseason varieties which have their buds well developed by this time, and consequently do not need as much moisture after this; but it is different with the late sorts, the aim being to keep them in active growth as long as possible so as to throw their blooming period to as late a date as you can. Plenty of light, fresh air and strict attention to the watering are essential to the well-being of late chrysanthemums, they being very subject to mildew and rust if treated to close, stuffy quarters.

The plants lifted from the frame or field for sale as pot plants must now be given every encouragement to get a good root hold of the soil. Do not crowd them at all but give plenty of space between each plant for it to get into shape. As soon as the roots show prominently through the soil in the pots applications of weak liquid manure should be given every few days; also, attend to the staking to allow for good shapely plants and get after aphids continually by frequent fumigations.

Now is the time before the heavy cutting commences to arrange for the shipping boxes and other material such as tissue, manilla paper or old newspapers necessary for carrying on this work. Also for small barrels so that the flowers can stand in water for several hours to give the stems a chance to draw up some water before being shipped. The early varieties in season the latter part of September or early October will soon be in full blast and cutting and shipping of the blooms will be an important work. Do not cut the blooms when very young but allow them to get well developed before cutting; a flower cut when only partially developed will not keep as long as one which has been allowed to get more fully matured, but they should not be allowed to remain on the plants until they begin to fade.

C. W. JOHNSON.

Pansies After Chrysanthemums.

ED. AMERICAN FLORIST:—

Will you please tell me if pansies do well in solid beds to follow chrysanthemums and oblige?

SUBSCRIBER.

We cannot recommend that pansies follow chrysanthemums if it is subscriber's intention to use the same soil as the chrysanthemums have been growing in, never having been able to get very good results from any plant when having had to follow this plant, our impression being that there is something about the particles of chrysanthemum roots (that it is next to impossible to remove from the soil,) that other plants do not like. But pansies can be made a successful crop to follow chrysanthemums if proper conditions are prepared for them. I would advise taking off about 4 inches of the top soil of the bed, then fill it in with a light soil comprised of two-thirds light loam and one-third well rotted stable manure. The soil should be made as fine as possible, pounding up any hard lumps to give the fibrous roots a chance to work quickly. Stock transplanted now will be just right by the time the chrysanthemums are out of the way. Grow cool, ventilate freely and pay strict attention to keeping them free of insects.

C. W. JOHNSON.

Summer Roses Under Glass.

ED. AMERICAN FLORIST:—

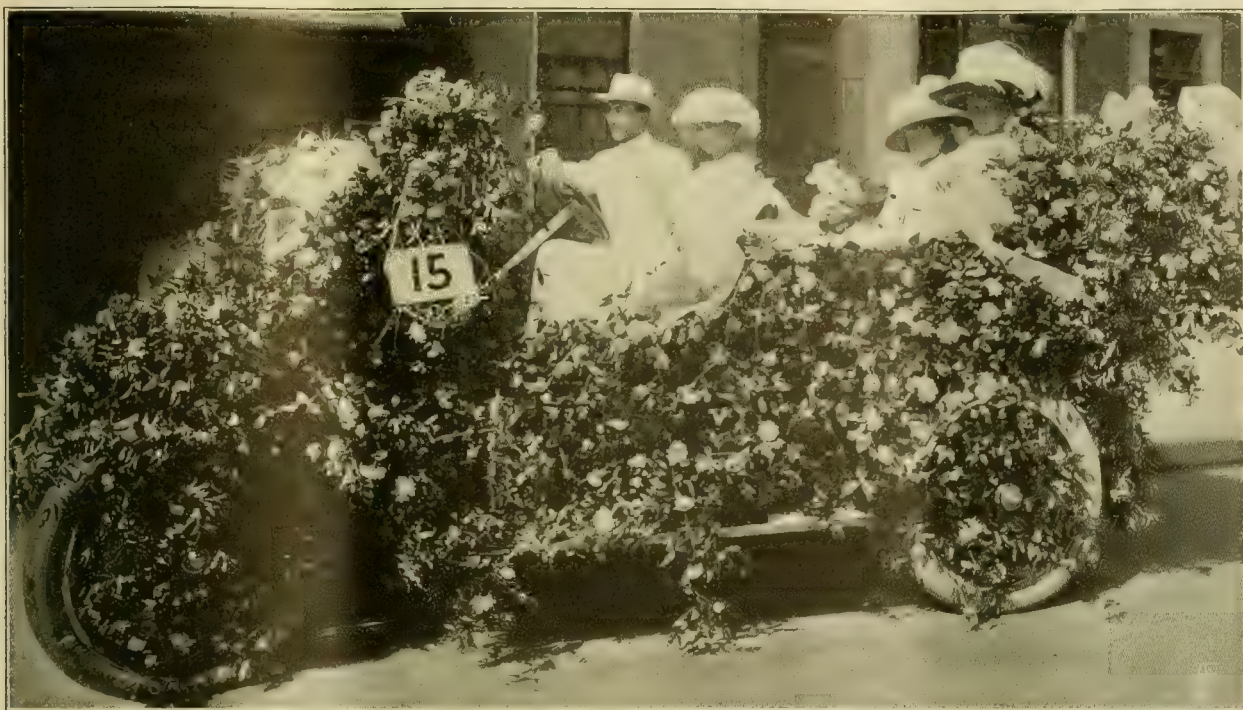
Will it pay to grow roses for summer blooming only under glass for the wholesale market? Is white Mamam Cochet as good for the purpose as Kaiserin? Would any other variety yield a better profit? W. E. M.

Decidedly, if there are any retail stores within shipping distance. The Cochet roses, both pink and white, are the very best varieties to grow for this purpose. They bloom freely, have good substance and last longer than any other variety. Kaiserin and W. R. Smith are both good varieties but lack the lasting qualities of the Cochets.

W. L.



H. B. McCULLOUGH'S CAR IN CINCINNATI AUTOMOBILE PARADE.



CAR DECORATED BY EDITH F. KYRK, AWARDED SECOND PRIZE IN CINCINNATI AUTOMOBILE PARADE.

THE CARNATION.

Carnations in the South.

The evenings are now getting much cooler and carnations planted early are beginning to show decided signs of growth. It is still too early to begin feeding, but the beds should be kept regularly worked and free from weeds. If not already done give the plants the first wire in the tying up process. It is so much easier to do this now than to wait until the plants have made a heavy growth before beginning. It is always better to push the work than let the work push you. Plenty of ventilation day and night is still the rule. I find it a benefit to let the houses run down to 45° or even 40° at night for a few times before starting the fires. When such is done, do not attempt the first night of firing to run the temperature up to the standard, but gradually raise it a few degrees each night until it is attained. There are sections in the South where a night temperature of 50° to 52° can be fairly well maintained all winter, but other extreme southern sections have so many warm spells that this is impossible. In such places it is well to run the night temperature a little higher, say 54° to 58°, and avoid the fluctuations as much as possible. The ventilators, of course, should be opened a little under such treatment.

Many growers who depend on the North for plants have not yet planted, but the present is a good time. A mixture of whitening and water applied to the inside of the glass either with a brush or a syringe is the best material for a shade. This breaks the force of the sun sufficiently, but allows plenty of light in the house and the danger of developing stem rot is much less than when a heavy dark shade of mud or clay is used. A fine spray from the

hose will quickly remove the shade when needed. The plants should be watered individually so as not to have the whole bed soaked. By using a spray nozzle and spraying half a dozen times each day for a week the plants will keep fresh and vigorous and take a quick hold in their new quarters. A little of the shade can be removed in a week and all of it in two weeks. When ordering plants from northern points be sure to insist on having them packed as dry as it is possible to get them. A little slightly damp moss is permissible in the bottom of the box, but no more. When packed wet the plants heat up in the box and when unpacked the roots are completely rotted and the whole shipment is fit only for the rubbish pile. A plant once heated in transit never "comes back." On the other hand plants packed dry come through in fine shape and give complete satisfaction at both ends.

WM. LEAR.

Rust on Carnations.

ED. AMERICAN FLORIST:—

Herewith are specimens of carnation plants infested with rust. They have been transplanted into the house four weeks and made no growth at all. What remedy would you advise for the trouble?

E. H. T.

We do not find any rust on the specimen carnation plant received, but it is badly affected with Leaf Spot and Bacteriosis. The plant has the appearance of having been subjected to very wet conditions or being grown where the weeds have been allowed to smother up the growths. The growth of the plant also indicates that the shoots have been allowed to get beyond control before topping back, the plant under notice plainly showing the effect of it by the hard ends of its shoots. The roots were in fine condition upon arrival and we set the plant out in the

garden, and after three days new roots commenced to push out. We would advise spraying the plants with Bordeaux mixture about once in ten days, then give clean culture by keeping the soil free from weeds, the surface cultivated regularly, water only when the soil is dry enough to water thoroughly and lastly ventilate freely. Remove any affected leaves from the plants and get the plants supported so that the shoots do not lay on the soil.

C. W. JOHNSON.

Heating Carnation Houses.

ED. AMERICAN FLORIST.

I have one house 17x70, which is piped with one 2½-inch flow and six 1¼-inch returns. Is this sufficient piping to heat a house in which carnations are to be grown in a climate where the out-door temperature falls to 20 degrees below zero? I have also one house 20x30. How should this be piped to ensure the heat necessary to grow carnations? Would a Hub hot water heater rated for 1650 feet of heating surface with a 28-inch round fire box be sufficient to heat both houses?

AMATEUR.

Especially under the severe conditions mentioned, it will be necessary to use twice as many 1¼-inch returns as proposed by "Amateur." While this might be handled by one 2½-inch flow, better results will be secured if two or three flow-pipes are used. Unless the returns are considerably above the boiler, it is not advisable to use as small as 1¼-inch pipes as returns. Provided two 2½-inch flows are used, nine 1¼-inch, or seven 2-inch returns will be required.

For the house 20x30 feet, a temperature for carnations can be obtained by using one 2½-inch flow and nine 2-inch returns; or, two flows and seven returns would answer if the house is well built and somewhat sheltered. If

the boiler is up to its rating, it should suffice to heat two houses if it had a 25-inch fire-box, although there would probably be very little loss in fuel and perhaps a slight saving in the care required if a somewhat larger size is used. L. R. T.

Holland.

Paper read by R. Vincent, Jr., White Marsh, Md., before the Florists' Club of Philadelphia, October 4, 1910.

To the students of history, Holland appears as the arena, in which was fought out one of the hardest fights of the world's history, for existence. Not only in fighting its enemies, of which it had many, a hard fought

others in carriages carrying huge bouquets, every one, rich or poor, seem to delight in carrying flowers, which are to be obtained from vendors for a mere trifle. All the way from The Hague to Haarlem, if one was without the small trifle wherewith to purchase, the courteous bulb grower would willingly make anyone a present of all the blooms he or they might want. It is the roots he wants, not the flowers. They have to employ men to pick the flowers off and cart them, or boat them off to the manure pile. The word cart is rather a misnomer in this case, as the boat is the Dutchman's cart. The admiration which one cannot but express as he views the brilliant patches

with to adorn their gardens, but speculators who bought and sold the bulbs simply because they were in demand. While greater demand occasioned fabulous prices, houses, land and property of all descriptions were bartered for bulbs. The inns and places of resort became places for bulb trading, and many homes were ruined by the wild speculation which for a time ran riot over the bulb growing section of Holland. In 1637 laws were passed that stopped illegitimate speculation, and with that came a drop in prices that had existed only on paper, some of them provisional. It was about the end of the seventeenth century that some Haarlemers exported bulbs to other countries for the first time, they therefore became known as Dutch bulbs.

The cultivation of the tulips commenced about the end of the sixteenth century, when the tulips, in preference to all other bulbs, became very popular. In the early part of the seventeenth century there were many passionate and fascinated lovers of the tulip in Holland who vied with one another in their collections, and efforts to obtain newer varieties. Enormous sums were paid in order to secure possession of special varieties, which to-day no one would think extra good. We are told of a very rich merchant who thought he owned all there was of a very fine sort, but to his consternation he learned that a Frenchman near Paris had the same variety. This was such a grievous matter to him that he seized the first opportunity to go to the Frenchman's place near Paris, which was no easy matter in those days, but when he got there he found that the report was correct. After a good deal of talk and barter he succeeded in buying the tulips from the Frenchman for a thousand ducats, after which he completely mashed them up under his feet. This was done, as transporting the bulbs home would have been troublesome and someone else might have got them while under way.

We visited a place near Haarlem where, in the commencement of tulip growing, the first new varieties of tulips were raised, or, more practically speaking, the original home of the tulip in Holland. These grounds have



CARNATION HOUSE AT WEILAND & RISCH'S, EVANSTON, ILL.

battle which proved the valor of not only its men, but also of its brave women who, when the men were unable longer to give battle, fought with arms to save their own honor, and their country. The bringing of the water-covered land into subjection for cultivation, which is still being done by hard work and honest labor, is a feat of which these people can boast. One is apt to forget when traveling the fertile smiling plains with their waterways everywhere, the ever-present menace of the sea being driven back. This danger is prevented by continual watchfulness and care, for when the tide is at its height the sea is sometimes ten to twelve feet above the waters of the Rhine which are held back by massive gates till the tide goes down.

The bulb growing provinces of north and south Holland on the inner side of the long stretch of dunes forms an almost unbroken line that protects the whole of the western coast from the ravages of the sea. In the midst of the bulb district is the ancient city of Haarlem, in the immediate neighborhood of Amsterdam, the capital of the kingdom, while in the southern end of the bulb district is the royal residence, The Hague, near which gentlemen's residences abound with their quaint gardens and peculiarly built houses. It is curious to watch the throng of men and women during the bulb flowering season, some on bicycles with enormous red, yellow and purple festoons of flowers on their bicycles, a sash of them hung around their necks and their hats trimmed, forming a curious picture as they glide along. Again,

of bright yellow, dark red, showy purple, pure white and bright blue with here and there the green hedges which are used as wind breakers with the everlasting canals, makes a panorama that can only be viewed in Holland. Indeed a visit to the bulb fields while in bloom will never fail to please, as it is always intensely impressive.

At first it was the love of the tulip, and the possession of more varieties than one's neighbors, but this with some soon wore off, and the love of gain predominated. The dealers were no longer growers who sought to secure new varieties, no longer amateurs securing complete collections where-



WEILAND & RISCH'S GREENHOUSES, EVANSTON, ILL.



KILLARNEY ROSES AT WEILAND & RISCH'S, EVANSTON, ILL.—JOHN P. RISCH IN AISLE.

now been crowded out by buildings for homes, but there is still much to interest one in the quaint portion still left in the heart of a built-up section. We saw here a bed of seeding narcissi that will show to the world what can be accomplished in a small area where intelligence and study as to what is possible in a flower, and what can be brought forth by much skill. Of the mansion house that was originally on this tract only a small portion remains, as it has been added to and rebuilt by the several generations that have gone before. But the story that is told about this estate and the tulip industry is rather entrancing. At the time of the craze when everyone was striving for new varieties, "The Lord of the Manor" heard that a poor peasant in one of his tiled, one-roof cottage gardens, had raised an entirely new variety of tulip, just one plant. Of course this raised a flower, and "The Lord of the Manor" came to see it. When viewed by him he realized what his laborer had, and it is said tried to purchase, but the price was heavy. He offered his palace, land, everything, for this flower. In fact, everything and all for that one tulip plant.

The principal part of this discussion has been in regard to tulips and hyacinths. These alone are not all of the bulbs that are raised or grown in Holland. In fact there are many others, spireas, tuberoses, dielytra spectabilis, iris, ranunculas and anemones and other flowering bulbs. Wonderful fields of narcissi, increasing favorites, can be seen in Holland in all their golden glory, and when in full bloom appear as a beautiful sunrise. That yellow

has been the predominating color in these flowers is not saying that it will continue so always, as the white has been brought out during the past few years, while the red, I think I can safely say, will be one of the standard colors. But they are beautiful, even without other colors, as seen singly or enmasse. Those singles, the orantus, and those grand emperors and others, hundreds of them. Four hundred varieties being exhibited in vases at the Haarlem show. These are flowers that every one should have a few varieties of in their gardens. They are flowers that will stand neglect better than a good many others. In fact, this could be called the lazy man's or lazy woman's flower. Let us make home grounds beautiful by planting a few, but not to be lazy in taking care of them simply because they will take care of themselves.

What else? Well, have I not said enough? I think so; so much that I think a desire will be yours at the coming of spring to set forth for the beautiful flower-decked fields that lie between Haarlem and Leyden. If not, it must be the fault of my poor lame words. In truth, how can I talk or describe the finest color picture the world has ever had. Finest because, though not of nature's planning, it is painted in those pure and true colors of nature. The living lines of the flowers, besides which the choicest paintings of an artist's brush are as mud. It is not possible, and far short of the reality, that my descriptions fail to show you. If you should see them you would realize the bigness of my task, and it will be within your comprehension that the theme is one no verbal description or lantern slides can do justice to.

WITH THE GROWERS

Weiland & Risch, Evanston, Ill.



John Risch, prospect for the coming season might be, we visited the large greenhouse plant of Weiland & Risch at Evanston. After a half hour's ride from the city we left the cars at Main street and a short walk through the beautiful homes and residences of the fashionable suburb we reached the plant of this enterprising firm. On either side of the street ranges of glass extended east and west, there being an area of 250,000 square feet devoted to the growing of cut flowers, principally roses and carnations. The plant, consisting of 44 houses, is divided into five ranges, two of which are filled with carnations and in the other three are grown the roses, a small area being used for the growing of lilies, chrysanthemums and lily of the valley, smilax and asparagus.

The carnation plants are in splendid condition, and at the time of our visit were just beginning to produce very fine blooms and the promise for a grand cut later in the season and during the holidays was encouraging. Enchantress, both the pink and white, were in grand shape. Victory and Bea-

con are both grown, but the latter is preferred, as it produces a better crop at Christmas, when red is so much desired. Some 70,000 plants are set in the houses of all the best commercial varieties. The rose houses are certainly a high compliment to the senior member of the concern, J. P. Welland, who superintends the greenhouses. Bench after bench or rose bushes so timed as to give a succession of high grade blooms, some from which the cut is now being made, some with their strong growth just breaking with that healthy reddish color to the foliage, and some that are just being started. Quality is what is sought, all weak and inferior blooms and growths are immediately cut out. Killarney is the favorite as of the 120,000 rose plants in these houses, 50,000 are of this variety, the others being 18,000 Richmond, 20,000 White Killarney, 10,000 My Maryland, 10,000 Bride, 8,000 Kaiserin and smaller quantities of Perle, Mrs. Jardine and Lady Ashtown. Some very promising chrysanthemums are grown in the houses that will be used later for the propagation of the large number of plants required at an establishment of this size. Instead of heating from one central point, each range has its own set of boilers with ample coal bins which open onto the drive at the north of the houses. Two boilers to each range but one and here three each of 80 h. p. amply supply the necessary temperature, in fact, one boiler is kept in reserve for heavy firing or any accident that might happen.

The product of these houses is daily marketed at the store of the concern, No. 59 Wabash Ave., where the energetic junior partner, J. P. Risch, so pleasantly cares for the wants of the trade.

Vincent's Dahlia Show, White Marsh, Md.

The fourth annual dahlia show of R. Vincent, Jr., & Sons Co. took place last week. This notable event was duly celebrated by many visiting florists. On September 27 a special train from Baltimore carried to the convention a large number of Baltimore florists and their families. Washington, Philadelphia and other cities were also well represented. At the railway station the Vincent company's teams were awaiting to carry the visitors to the farm. A bountiful dinner was served by the ladies of Ebenezer M. E. Church after which the visitors spent the remainder of the day admiring the cut stock, which was beautifully arranged on long tables with autumn foliage, cedar boughs and foliage plants. Many of the visitors also spent much time in looking over the broad acres of dahlias and cannas and in going through the extensive greenhouses where immense numbers of bedding plants are grown. The forty acres of blooming dahlias with ten acres of cannas, despite the dry season, were a sight worthy of a long journey.

In the preparation of the large exhibition room no pains had been spared. The ceiling was covered with autumn foliage and hung with bunting. Add to the striking features of the exhibition, the unbounded hospitality of Mr. Vincent, his family and the ladies of the church and the event was a notable one. From many miles around people came in automobiles and carriages

and every woman and child were given a big bunch of dahlias.

The magnitude of this place was a revelation to many who had never before visited it and we herewith submit figures to show how great it is:

FORTY ACRES OF DAHLIAS.

Three hundred and fifty thousand plants, embracing every color and type of dahlia in 200 varieties. Large lots to be seen in the field were:

Two acres Mrs. Roosevelt, mammoth lavender pink, quilled petals, decorative type.

One acre Grand Duke Alexis, large flowers, quilled petals, white just tinged with lilac.

Three acres Mad. Van den Dael, long pointed petals, deep seashell pink, one of the best commercial cut flower dahlias.

Three acres Souv. de Gustave Duzon, enormous well formed flowers of great substance, bright rich red, the largest dahlia grown.

One acre Countess of Lonsdale, cactus type, resembling a chrysanthemum, very free flowering, a rich salmon shade.

Two acres Kreimhilde, a beautiful shade of rose pink shading to a white center, a great favorite.

One acre Mrs. H. J. Jones, a variegated red and white cactus.

Three acres Juliet, bright rose pink cactus.

Three acres Henry Patrick, the standard decorative white, large handsome flowers on long stems.

Three acres Wm. Agnew, decorative, an attractive bright glowing scarlet.

One acre A. D. Livoni, that well-known rich seashell pink show, that is a favorite with everyone.

One acre C. W. Bruton, an excellent rich canary yellow, decorative.

Most conspicuous in the exhibition, century type, large single flowers:

Fringed 20th Century, rose crimson.

Rose Pink Century, rose pink.

Scarlet Century, bright scarlet.

Sensation, red and white.

Cactus type, large narrow curled and twisted petals, resembling the chrysanthemum type:

Master Carl, clear orange, salmon.

Countess of Lonsdale, rich salmon.

Else, buttercup yellow.

Innocence, white, lemon yellow center.

Kreimhilde, bright pink shading to white center.

Juliet, clear rosy pink.

Standard Bearer, rich fiery red.

Pompon, the small round flowers or bouquet dahlias:

Catherine, bright orange yellow.

Indian Chief, dark crimson.

Little May, lemon yellow.

Daybreak, daybreak pink.

Decorative type, large flower, long pointed petals:

F. L. Bassett, rosy purple.

C. W. Bruton, canary yellow.

Fire Rain, cardinal red.

Grand Duke Alexis, ivory white.

Henry Patrick, large pure white.

Jack Rose, rich velvety crimson.

Mad. Van den Dael, silver pink.

Mrs. Roosevelt, delicate silver rose.

Mrs. C. W. Bassett, deep rose pink.

Princess Victoria Louise, rose pink.

Souv. Gustave Duzon, orange red.

Wm. Agnew, glowing scarlet.

The large round flowered old fashion types:

A. D. Livoni, rich seashell pink.

Arabella, pale primrose.

Cuban Giant, dark glowing crimson.

Frank Smith, dark rich maroon.

Queen of Yellow, pure yellow.

Emily, rosy lavender to white.

Zebra, pearl white.

Collarette, the new French type, distinguished by the elongation of the inner petals, surrounding the center like a collar, deep red flowers with white collaret.

President Viger.

Prince Galitzen.

Gallia.

New varieties introduced by R. Vincent, Jr., & Sons Co.:

Mrs. C. W. Bassett, decorative type, beautiful deep rose pink, long stems, free flowering, named after Mrs. C. W. Bassett, wife of the general passenger agent B. & O. R. R.

Mrs. Chas. L. Seybold, a magnificent specimen of the peony type, deep rose pink, each petal edged white.

Wm. Pierce, large round flowers freely produced on long stems, splendid as a cut flower.

GERANIUMS.

Geraniums is the leading specialty here, to the extent that the name Vincent is almost synonymous with geraniums, among the florists of the country, where three large blocks of houses are devoted to the growing and propagation of these. There are 60,000 plants in the stock houses, and 300,000 in three in. pots which will either be used for fall shipment or stock plants. The leading bedding varieties, such as S. A. Nutt, Beaute Poitevine, Alphonse Ricard, M. A. Roseleur, Mrs. Lawrence and others, are grown in large lots, 20 to 30 thousand cuttings of a kind taken off at one cutting. The standard list now contains something like 100 varieties, which is the result of selecting from over a thousand of the best American and European introductions. Sets of imported novelties are for several years kept intact, nearly a hundred kinds in each set, so that there is without a doubt the largest stock and the most complete collection found any where in the country. As there are 200,000 or more square feet of glass on this place it can be readily understood that there are abundant facilities for the propagation and growth of bedding plants. Another large house will soon be completed, the work being done by the Lord & Burnham Co.

CANNAS.

The 10 acres of cannas present a wonderful sight with their vivid coloring of red and yellow predominating, toned here and there with the bronze foliage of the King Humbert and President Myers. There is no effort made to grow a large collection, only some of the very best, among the standard kinds. Among these were noticed huge blocks of Alphonse Bouvier, Egandale, Florence Vaughan, Jean Tissot, J. D. Eisele, Louisiana, Pennsylvania, Richard Wallace, and King Humbert, while smaller blocks of Gladiator, a striking yellow, spotted red with a brighter red lower petal; Wm. Saunders, a dwarf growing bronze foliage, large red flowers; Venus, pink with yellow edge; Hiawatha, salmon pink, bronze foliage; Rosea Gigantea, immense flowers of deep rose pink.

COLEUS.

One of the most attractive objects noticed in the greenhouses is a large block of that beautiful large leaf coleus, Brilliancy, or as called by some, Dr. Ross, magnificent, luxuriant red and yellow foliage. There was also quite a large lot of the standard bedding coleus.

DENVER, COLO.—The Curtis Park Floral Co. has rebuilt its whole establishment and now have five good houses.

An Interesting California Garden.

The name of E. D. Sturtevant has long been known in connection with aquatics, and especially the hybrid and other water lilies. Mr. Sturtevant was, in fact, the pioneer in this country of the great water lily industry and was growing them at Bordentown, N. J., and supplying the trade with them 30 years ago. It was with a view to seeing his aquatics that the writer called at his home at Hollywood, Calif., recently but found in addition to these a marvelously interesting lot of plants not usually seen and many things growing outside that one usually looks for in a store or greenhouse. Mr. Sturtevant's home is delightfully situated in a lovely spot in the foothills and in full view of the mountain peaks that rise from 1,500 to 2,000 feet and has a fine grass lawn.

One of the first things to catch the eye was the little known *Plumeria tricolor*, a beautiful plant quite hardy here and bearing large cymes of whitish flowers shading to yellow and with a red center. The fragrance of these immense clusters of flowers is very fine and it is from this genus that the well known perfume, frangipanni, is made. *Crinum Moorei* and its white variety flower freely here as well as several *pancratiums* and nearly allied plants. A glorious bit of color is made by *Erythrina splendens*, a variety far brighter and deeper than the well known *E. crista-galli*. A strain of *delphiniums* raised locally by crossing *D. Belladonna* and one of the larger flowered varieties is remarkable for its bright colors and for its almost constant flowering nature, the plants here having flowered three times since Mr. Sturtevant purchased them last November.

The vines and climbers around the house are to say the least, remarkable. One gets used to seeing bougainvilleas and other things like *Tecoma jasminoides* growing all over the houses in California but Mr. Sturtevant has gone one better and our old friends of the stove, *Dipladenia Bolivensis* and *D. amabilis* may be seen side by side with the hardy *Bignonia radicans*. Both the *dipladenias* were in flower and both stand out all winter with no protection. *Solandras* 30 feet high and *Beaumontia grandiflora* running to the eaves of the house are two other features of this remarkable garden; the latter Mr. Sturtevant says is never out of flower from March to August. *Bignonia venusta*, though common, is worthy of note, its lovely crimson, funnel-shaped flowers produced in large terminal corymbs, being very fine and close by are the pure white flowers of *Schubertia grandiflora*. *Hibiscus schizopetalus* is a most remarkable plant, the flowers of the brightest orange red, pendulous and with the petals deeply laciniate, a showy and pretty thing.

Perhaps the most lovely flower in the garden is the native *Romneya Coulteri*. Mr. Sturtevant calls it the finest plant in the west and we are inclined to agree with him. It grows to immense bushes here and the great white flowers with yellow centers have beautifully crimped and wavy petals. Flowers gathered three days ago are before the writer now as fresh as when picked and they are as showy as a Moutan peony and even more refined and beautiful. Though long

known to cultivation this plant is not nearly as much grown as it deserves to be. Another interesting plant is the native *Woodwardia radicans* which may be found in the woods here with fronds seven feet long. *Phylla excelsa* is also perfectly hardy here though it needs shade or the fronds burn. A locally raised dahlia deserves a notice. It is a cross between the tree dahlia, *D. arborea* and *D. imperialis*. At present the plants are some 16 feet high, and they begin to bloom in November. The flowers are bell-shaped seven inches in diameter and of a pretty mauve pink.

Last, but by no means the least interesting, come the water lilies. The varieties are almost endless and Mr. Sturtevant knows so well the history and pedigree of each that his conversation is deeply interesting. One of the most superb flowers we have ever



The Late Mrs. Henry Keitsch.

seen was a form of *Nymphaea Pennsylvanica*. We have seen this lovely flower elsewhere but nowhere had it the size and substance as at Hollywood. *N. dentata superba* is a magnificent white and all over the pond the most magnificent flowers were to be seen, nearly all the varieties standing well up out of the water. Most of the new forms here are hybrids between *N. Zanzibarensis* and the Mexican *N. gracilis* and there is a marvelous variety both in form and color. A very fine specimen of *Victoria Cruziana* (Trickeri) grows in the center of the pond and is practically in flower all the year. This needs less heat than *Victoria regia* which thrives only in heated water. The leaves of *V. Cruziana* in the cold water are four feet across and the flowers are magnificent. Around the edge of the pond are the Japanese lotus, the water poppy and several fine scarlet lobelias, while at a little distance we noted *Rosa gigantea*, which we have many times tried to flower but never succeeded in doing. Here it flowers annually, the blossoms being like a glorified edition of the Cherokee rose. These are only a few of the many interesting things noted and there are many others deserving mention in this charming garden.

H. R. R.

OBITUARY.

Mrs. Henry Keitsch.

The florist trade has lost another one of the older members who from early life has been actively engaged in the growing of flowers. Mrs. Keitsch, widow of the late Henry Keitsch and since his death president of the H. Keitsch & Sons Co. Mrs. Keitsch was born in Felesia, Germany, coming to Buffalo in 1856, marrying soon afterward and locating at the place which has been their home and on which the greenhouses were located in 1860. She leaves ten children, five of whom were associated with her in business at the greenhouses, 57 Earl place and at the store, 816 Main street. Chas. H. Keitsch, well known to the florist trade, has been the able assistant to the mother and on whom the active management will now be transferred.

John H. Sievers.

John H. Sievers, one of the pioneer florists of the Pacific Coast and senior member of the firm of J. H. Sievers & Co., passed away at his home on Buchanan street, San Francisco, September 8. He was born in Bremen, Germany, and in early life came to California and formed a partnership with F. A. Miller in the florist and nursery business. A few years later this firm was dissolved and he commenced the erection of one of the largest greenhouse plants on the coast at the present location on Van Ness avenue. A great lover of flowers and plant life, he became a hybridizer of note and was the originator and introducer of many rare novelties in pelargoniums, tuberoses, begonias and carnations. In 1895 he catalogued fifty different varieties of carnations of his own production, which attained great popularity in California, and many were grown in the east, Ethel Crocker and Hannah Hobart being probably the best known. He leaves a son, John R., who is well known in the trade, and four daughters.

Mrs. Richard Witterstaetter.

The sad news of the death of Mrs. Richard Witterstaetter came as a great shock of unusual severity. Mrs. Witterstaetter has been in failing health the past year, but her illness was not of a serious nature until three weeks ago a complication of diseases developed, since then she grew weaker from day to day and on September 30 she passed to the great beyond in her forty-fifth year. The funeral took place October 3 from the family residence and the remains were laid to rest in Spring Grove Cemetery, covered with that she dearly loved—flowers. The floral tributes were magnificent and many. The departed took a keen interest in her husband's work and a week before she died, she with her nurse, took the last stroll through the greenhouses. Although childless she was like a mother and efficient teacher to all the nephews and nieces around her home, her sense of humor, habitual cheerfulness, unflinching kindness and deep affection made her a true friend to all that came in contact with her. Her sympathetic tenderness was so genuine, one could never doubt her sincerity, and I can think of no qualifying word that expresses my thoughts concerning her so satisfactory as this: She was a noble woman. We extend our sympathy to Mr. Witterstaetter and his aged mother in their bereavement.

H. S.

DETROIT MICH.—The Michigan Cut Flower Exchange have increased their capital stock from \$10,000 to \$15,000.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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FROST still holds off to the advantage of growers of outdoor stock, gladioli and dahlias being plentiful and of good quality in most centers.

SHIPPERS of orchids may be interested to know that the state inspectors are taking note of the mischief caused by the cattleya fly and one, at least, Inspector W. Woods, of Los Angeles, Calif., says he will hold up and either destroy or return to the senders any affected plants that come within his jurisdiction.

Correction.

In the report of the exhibit at the New York Florists' Club meeting held September 12, in our issue of September 17, the award granted to Harry Turner, Castle Gould, for six plants *clerodendron fallax*, should have read 85 points in the Hitchings cup competition instead of five points, as printed.

Boston Gardeners' and Florists' Club.

The Gardeners' and Florists' Club held its first fall meeting September 20 at Horticultural Hall, Peter V. Miller, vice president, presiding; W. N. Craig, secretary. About 100 were present. The picnic committee made their report of expenditure for prizes, refreshments, etc., of \$134.50. The main matter of business was the question of entertaining the members of the S. A. F. who were expected at the big March show. It was thought that not less than a thousand tickets would be issued for the banquet. After discussion it was voted to add five more members to the committee, to report at next meeting. This committee on entertainment is, Peter Fisher, chairman; W. H. Elliott, Duncan Finlayson, Kenneth Finlayson, Wm. Sim, Thomas Pegler, Wm. Downs, J. P. A. Guerineau and Robert Cameron. Mr. Craig was given a hearty vote of thanks for his services in making the picnic such a success. Members then told of some of their vacation experiences. Peter Fisher spoke of the Rochester meeting, praising the trade exhibit and the beauties of Rochester. "Now that they had taken the ladies they could never again leave them at home." T. J. Grey lavished praise on the people of Rochester, on the exhibits of Dreer, Pierson of Tarrytown, and Stump and Walter Co. "Nothing to equal the *Gladiolus*." He spoke of the wonderful trolley service from Syracuse to Rochester—80 miles in three hours—and of the automobile ride given to 168 ladies. Wm. Elliott attended one of the ladies' meetings and decided to withdraw from the men's and join them. He praised the nice and quiet way in which the Rochester people carried through all their program of entertainment, and told of his visit to the Ellwanger and Barry Nurseries, and of the splendid view of Highland Park from the Pavilion. Mr. Craig spoke of his visit to Bar Harbor to judge the show there. He described the change at Mt. Desert from its original condition to the present, of its trees, temperature of an average of five degrees below Boston, of its blueberries, its peculiar adaptation to growing the finest garden flowers, of the sweet peas that astonished Harry Turner. The Skinner system of irrigation is being adopted there. They have an excellent horticultural society and millionaire patrons, one of whom entertained Mr. Craig. After recess and refreshments the question, "What have we learned from the great orchid show, and what can we improve upon," was discussed. The discussion turned on the matter of giving a single big prize rather than breaking it up into smaller amounts. Robert Cameron and Mr. Craig favored the big prize idea. Without it no such show of exceptional merit could be given. It does not hurt the commercial grower and it insures the success of the show. Big prizes for special things was Mr. Craig's idea. The man who got the \$1,000 prize had been to an expense of \$10,000. There were nine new members received at this meeting.

W. T. H.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass. — Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York. — Eugene Dailedouze (chairman), Wm. Duckham. Ship flowers to New York Cut Flower Co.,

55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa. — A. B. Cartledge (chairman), John Westcott, S. S. Pen-nock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O. — R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago. — J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee, must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

The third member of the New York committee will be announced later.

OFFICIAL JUDGING SCALES.

Commercial.	Exhibition.
Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100
Single Varieties.	Pompon Varieties.
Color	40
Form	20
Substance	20
Stem and Foliage	20
Total	100

Single varieties to be divided in two classes, the large flowered and the small flowered.

HAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Albany, N. Y., November 10-12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Frederick Goldring, chairman show committee.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. C. P. Close, secretary, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show, Society of American Florists, Mechanics' building, Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Chicago, November 7-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. J. H. Burdett, secretary, 1620 W. 104th Place, Chicago.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. A. F. J. Baur, secretary, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. R. Carey, secretary, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Club, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County

Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music Hall, 115 Court street, Frederick H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland Hotel, Angus McLeod, secretary, 163 South Alleen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28, 1910.—Annual flower show, Dutchess County Horticultural Society.

Springfield, Ill., September 30-October 5, 1910.—State fair, Robert O'Dwyer, superintendent, Monroe and Des Plaines streets, Chicago.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street, Adin A. Hixon, secretary, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., October 10, 8 p. m.—Gardener's and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Butte, Mont., October 14.—Montana Florists' Club, Columbia Gardens.

Chicago, October 12.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

Cleveland, O., October 10, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Davenport, Ia., October 14.—Tri-City Florists' Club, home of Wm. Goos, Bettendorf.

Hartford, Conn., October 14, 8 p. m.—Connecticut Horticultural Society, County building.

La Crosse, Wis., October 11.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Lake Geneva, Wis., October 15, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., October 12, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New London, Conn., October 12.—New London County Horticultural Society, Elks' hall.

New Orleans, La., October 9, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, October 10, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, October 12, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., October 13, 8 p. m.—Omaha Florists' Club, City Hall.

Rochester, N. Y., October 10, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Springfield, O., October 10.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., October 13, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., October 12.—Toledo Florists' Club.

Winnipeg, Man., October 12.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address
Key 209, care American Florist.

Situation Wanted—Head gardener, Scotch, wishes position; references. Address "L"
care R. & J. Farquhar, Boston, Mass.

Situation Wanted—As gardener on private place; single German, age 48; experienced in all branches; high references; wages liberal.
GARDENER, 110 W. Indiana St., Chicago.

Situation Wanted—By November 1 or 15, as working foreman German, married 35 years old, with 21 years experience in growing cut flowers and general stock; thoroughly sober and reliable; south or middle state preferred. Address
THE FLORIST, Porterdale, Ga.

Situation Wanted—An experienced working landscape gardener, now employed, wishes to better himself; if you want a man that knows trees shrubs plants and flowers and know how to use them to best effect address
Key 215, care American Florist.

Situation Wanted—As florist and gardener. German; married, one child; 25 years' experience in indoor and outdoor work on first class places in Germany and America; references; now employed on a big private estate; would like to make a change on or before October 15.
Key 211, care American Florist.

Help Wanted—Young man; some experience in retail flower store.
PEOPLE'S FLORIST,
1530 W. 47th St., Chicago.

Help Wanted—At once, experienced greenhouse man to take charge of a place; wages \$15 per week.
C. H. GARWOOD, Cheyenne, Wyo.

Help Wanted—At once, a man who can dig and pack nursery stock, mostly evergreens and fancy ornamentals handled.
J. J. BONNELL,
26 Avenue and East Galer, Seattle, Wash.

Help Wanted—Young man, must be first class designer and storeman, and good salesman; steady position; good salary paid to right man; write, stating age and references to
Key 214, care American Florist.

Help Wanted—An energetic reliable man experienced in growing pot plants of all kinds as well as cut flowers; \$55.00 per month, with cottage and garden.
F. WALKER & Co.,
634 Fourth Ave., Louisville, Ky.

Help Wanted—A single man that knows how to grow carnations and general stock, and also take care of fires; must be sober and hustler; a good place for the right man.
C. K. SWENSON, Elmwood, Conn.

For Sale—Model boiler, No. 5-30; good condition; cheap.
Address
Key 201, care American Florist.

For Sale—Well established retail florist store; splendid opportunity for Polish or Lithuanian party; sickness cause of selling; south-west part of city.
Key 212, care American Florist.

For Sale--Retail Store.

Well established; located on fine transfer corner in San Francisco. Completely stocked and doing good family and counter trade. Address

Key 208, care American Florist.

For Sale—At a bargain, a splendid greenhouse business in Indiana; only a small amount of capital needed by the right person. For particulars and terms address
Key 210, care American Florist.

For Sale—One good second-hand Ericsson hot-air pumping engine; this engine is in first-class condition, capacity 500 gallons per hour; reason for selling, well went dry and I have put in city water; price cheap write at once to
E. H. MARSHALL Florist, Sabetha, Kan.

Wanted.

Two Rose and Carnation Growers for section. Permanent positions to reliable men. Address

J. F. WILCOX, Council Bluffs, Iowa.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Wanted.

At Thorley's, New York, two young men who have had at least three years or more of practical experience in the retail; no other need apply; applicants from the West preferred; large salary.
Key 213, care American Florist.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

Your Chance.

A well established florist business with two greenhouses, 24x100 and 22x75; fine dwelling house with basement 24x36; a fine well; one acre of ground; house; wagon; and store fixtures; all in good shape. \$6500 half down balance on time.
Address

FRED J. FISCHER, Reno, Nev.

Trade Directory for 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

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CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long specials.....	\$3 00 to \$4 00
36 inch.....	2 50
24 to 30 inch.....	2 00
15 to 18 inch.....	1 50
12-inch.....	1 00
Shorter...per 100, \$4 00, \$6 00	
	Per 100
Killarney, special.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Cardinal, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00

	Per 100
Richmond, special.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	\$3 00 to 4 00
My Maryland, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
White Killarney, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Perle, medium.....	4 00 to 6 00
Short.....	2 00 to 3 00
Carnations, fancy.....	3 00 to 4 00
common.....	1 50 to 2 00

Chrysanthemums, Golden Glow, yellow; October Frost, white	per doz., \$2 50 to \$3 00
Orchids, Cattleyas	per doz., \$6 00 to \$7 50

	Per 100
Harrisii Lilies.....	\$12 00 to \$15 00
Valley.....	3 00 to 4 00
Gladioli.....	3 00 to 5 00
Plumosos Sorays, Sprengerl.....	2 00 to 3 00
Plumosos Strings, extra long	per string 60c
Smilax.....	per dozen \$1 50 to \$2 00
Galax.....	per 1000, 1 00
Ferns, fine, new.....	1 50
Boxwood.....	per bunch, 35
Adiantum Crolecanum.....	75 to 1 00

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Chicago.

The unusual warm weather for this season, while increasing the supply of all kinds of stock, does not materially increase the amount of the retail business, but the fall openings of the department and other stores has created quite a demand during the week. Roses are of excellent quality and are coming into the market in large quantities, but are finding good sale. American Beauties are grand. Killarneys, both pink and white, are fine and in good demand, especially the former, and Mrs. Marshall Field, My Maryland and other varieties are excellent. Carnations are much improved and some very fine stock is to be seen every morning. Chrysanthemums are quite plentiful and some small blooms are selling rather cheap, but the good grades are selling well. Lilies are a little short in supply and are realizing good prices. Orchids are daily arrivals and are in good demand at good prices, and valley is quite plentiful. The present week has practically seen the end of the asters and few dealers are quoting them. Some very handsome dahlias are coming into the market, and the retailers are taking advantage of them in making up their window displays. Tritomas and autumn foliage are also used for the same purpose. Some very handsome Lady Lennox cosmos, cut with long stems, was to be seen this week. Florists' greens are in plenty and the stock is of exceptional good quality.

NOTES.

The Geo. Wittbold Co., 737 Buckingham Place, have just received a large consignment of Kentia Belmoreana and Fosteriana from Belgium, and are showing a fine line of Dracant Fragrans. The past month has kept all hands busy shipping out orders and foreman Fred Meyer says that this is no doubt due to the fact that the dealers are purchasing their stock for fall and winter trade. The decorations at the large department stores last week kept Henry Neve and his help on the jump delivering the stock that was used at those places, it being after 10 o'clock Saturday night when the last load was delivered. A new automobile has been added to facilitate this branch of the business.

Tim Matchen, manager of the Peter Reinberg establishment, and Miss Ida Bolgram, of Portage, Wis., were mar-

ried October 1 and after a few days' visit at Portage returned to Chicago, the large amount of business at the store demanding the presence of Mr. Matchen in this city. The wedding was a very quiet affair, only relatives being present at the ceremony. Our most happy congratulations and good wishes are extended to the genial groom and his bride on the voyage on the sea of matrimony.

The Killarney roses received by J. A. Budlong are worthy of especial notice, being of beautiful color on long stem and of splendid foliage and are the equal of the best in the market. Others noticed were some extra fine Maryland, Jardine and White Kaiserin, and the American Beauties are of their usual good quality. Large quantities of chrysanthemums are on hand and Monrovia now has preference over Golden Glow.

Vaughan & Sperry are receiving a fancy stock of dahlias of assorted colors and those of the lavender shade are very beautiful and are among the finest to be seen in the market. These dahlias are received and sold in boxes containing four to six dozen each and the demand the past week has been large. They are now receiving a fancy shipment of Cattleya orchids and are filling a large number of orders for white roses.

Peter Reinberg is cutting heavily in Richmond, Perle, Marshall Field and American Beauty roses. The demand for the latter has been exceptionally large, due to the excellent quality of the flower and good long stems. This house is receiving large quantities of carnations for which the demand is excellent. Business has been very brisk, the shipping trade holding up remarkably well.

At Kyle & Foerster's large quantities of roses are to be seen, with American Beauties and Richmonds showing up remarkably well. Carnations are arriving in better condition, stems being longer and color better, and the demand for these has been exceedingly heavy.

H. M. Burt, formerly of Burt & Coggan, Battle Creek, Mich., was in the city the past week visiting the trade. Burt & Coggan have dissolved partnership. Mr. Coggan will conduct the business at Battle Creek and Mr. Burt will open a store at Jackson, Mich.

Wietor Bros. are cutting heavily in all varieties of roses, their American

Beauties and Jardine are exceptionally good and the demand for the latter has been exceedingly heavy. This firm is also receiving large quantities of chrysanthemums.

Kennicott Bros. are handling large quantities of everything, with gladioli and carnations showing up remarkably well. We also noticed a fancy stock of Monrovia chrysanthemums which have just made their appearance on the market.

Weiland & Risch are getting a fine lot of Killarney roses just now. The color is grand and the stem and foliage all that can be desired. Their carnations are rapidly approaching mid-season form, both in stem and flower.

A baby girl arrived at the home of Mr. and Mrs. Cunningham on September 27. It will be remembered that Mrs. Cunningham is a daughter of John Zech.

Zeck & Mann are this week handling an excellent grade of Maryland, Killarney, White Killarney and Richmond roses. We also noticed a large quantity of lilies, carnations and gladioli.

Everything is going along as usual at the Lubliner & Trinz store, 44 E. Randolph street, and a look around the store showed all hands to be very busy.

E. R. Farley, formerly with Chas. W. McKellar but now of Bertermann Bros. Co., Indianapolis, Ind., is visiting his friends in the city.

John Kruchten is handling large quantities of gladioli, chrysanthemums and carnations, the latter being of exceptionally good quality.

The Woodlawn Floral Shop, 863 E. Sixty-third street, are enjoying a very busy season, the call for funeral work demanding their attention.

The Chicago Rose Co. is this week offering a very good grade of chrysanthemums, the supply department is exceedingly busy.

At Geo. Reinberg's we noticed an exceptionally good quality of American Beauty, Bride and Killarney roses. Geo. Piser, formerly of Hoerber Bros., has accepted a position with Paul Blome & Co., North Clark street.

Mr. Hodgkins and wife, of Boston, Mass., are visiting with Mr. and Mrs. Chas. W. McKellar the present week.

J. M. Cole and wife, of Peoria, and a niece, Miss Bassett, of Ocean Grove, Calif., spent September 3 in the city.

Chrysanthemums

Golden Glow
Oct. Frost

Acknowledged the best in this market,
\$2.00, 2.50 and \$3.00 per doz.

Fine Crop of American Beauties and Rhea Reid Roses.

—PRICE LIST—

AM. BEAUTIES, Per doz.
36 in. and over..... \$3 00
24 to 30 in..... \$2 00 to 2 50
18 in..... 1 50
12 to 15 in..... 1 00
Short stems, per 100, 4 00 to 6 00

HARRISII LILIES.....per doz., 2 00
".....per 100, 18 00

FANCY CARNATIONS, Per 100
Pink and White.....\$2 00 to \$3 00

**Maryland, Richmond, Killarney,
White Killarney, Kaiserin.**

Per 100
Good lengths..... \$8 00
Medium lengths..... 4 00
Good short lengths.....\$2 00 to 3 00
Extra select Kaiserin.... 8 00
ROSES, our selection... 2 00
White and Yellow 'Mums,
per doz..... \$2 00 to 3 00

Per 100
Lily of the Valley...100, \$3 00 to \$4 00
Asparagus.....per string, 60
" Sprays, per 100, \$3 00 to 4 00
Sprenger.....per 100, 2 00 to 3 00
Ferns.....per 1000, 1 50
Smilax.....per doz., 1 50
Adiantum.....per 100, 1 00
Galax, green.....per 1000, 1 00
" bronze.....per 1000, 1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

Poehlmann Bros. are receiving heavy shipments daily of the highest grade stock in all lines. Their roses are excellent, beautiful color, and with fine luxuriant foliage. American Beauties of all grade of exceptional fine color. Killarney of both white and pink with fine long stems. Cardinal and Richmond of first quality. Carnations of a fancy grade are now among the daily arrivals. Lilies and valley are among their specialties and are of the highest quality. Orchids are now beginning to arrive and a fine lot of these exotics can be seen. Golden Glow and October Frost chrysanthemums of the highest grade are among their numerous products.

Busy was the word at the J. B. Deamud & Co. store and it certainly had that appearance this week. The stock was exceptionally good and being sold as fast as received. The dahlias were beautiful of both cactus and decorative varieties of the different shades of red and pink and were eagerly picked up in the early morning. Roses, especially a high grade of Brides, and carnations of A1 quality were receiving a good demand. A fancy stock of Cattleyas were noticeable.

The chrysanthemums at Bassett & Washburn's are of exhibition grade and are of the highest quality in the market. The roses are in fine shape and the daily receipts are very heavy. Beauties are exceptionally good and Killarneys, Richmond and My Maryland are of the best. Their carnations are coming in fine shape, some White Perfection were deserving special notice, and O. P. Bassett are of extra stem and bright color.

The Chicago Carnation Co. are now doing business in room 203, Atlas building, and are prepared to handle all orders for anything in the cut flower line. Manager A. T. Pyfer has secured the services of Wm. A. Starret,

formerly with J. P. Opetz, 6643 Cottage Grove avenue, who will have charge of the sales department.

The E. F. Winterson Co. have made a number of changes in the arrangement of their store which gives them more floor space and the goods can also be displayed to a better advantage. This firm is now receiving shipments of fancy Cattleyas orchids and double violets for which the demand is heavy.

On October 1 the firm formerly conducting business as E. C. Amling adopted the name of E. C. Amling Co. Business has been exceptionally good and the receipts on that day were the largest of the season. Roses of all varieties were seen here with Killarney showing up remarkably well.

Geo. Propps, who has an interest in the George Perdikas store, corner of Dearborn street and Jackson boulevard, has been entertaining his friend, Theo. Sakell, the present week. Mr. Sakell has charge of the floral department of the Emporium department store at St. Paul, Minn.

The Florists' Club meeting will be held Thursday, October 6, at the Union Restaurant at 8 o'clock. The coming flower show at the Coliseum will be up for consideration, with other important business. The new by-laws have been distributed to members. Have you received your copy?

E. H. Hunt is receiving large quantities of roses, chrysanthemums, gladioli and sprenger. Business has been exceptionally good and Wm. Lynch, who has charge of floral department, says that from the present outlook the fall season will be a very busy one.

Due to increasing business H. Van Gelder of Percy Jones found it necessary to increase his office help and the services of an expert stenographer

have been secured. This firm is handling large quantities of chrysanthemums of an unusually good quality.

Chas. W. McKellar is now receiving daily shipments of fancy Cattleyas, Vanda Coerulea, Dendrobium Phalaenopsis, Oncidium and other choice orchids. A stock of fancy Lily of the Valley of exceptionally good quality was seen here.

Clifford Pruner, of E. H. Hunt's, and N. J. Rupp, of John C. Moninger Co., returned September 30 from Grand Rapids, Mich., where they attended the Market Gardeners' convention.

At Hoerber Bros. the stock is arriving in good condition and some fine Killarneys, Maryland, Jardine and Richmond roses were seen here.

Sinner Bros., of the Flower Growers' market, are cutting a good crop of roses, their Killarneys are of exceptionally good quality.

O. Johnson, salesman for the Batavia Greenhouse Co. at the Flower Growers' Market, is having a new icebox installed.

Visitors:—Alfred Forder, Cincinnati, O.; J. A. Evans, of the Quaker City Machine Works, Richmond, Ind.; J. M. Cole and wife, Peoria, Ill.; H. M. Burt, Battle Creek, Mich.; D. Hill, Dundee, Ill.; C. H. Hudson, representing Hammond's Paint Works, Fishkill-On-Hudson, N. Y.; Theo. Sakell, St. Paul, Minn.; Carl Hirsch, Hillsdale, Mich.; E. R. Farley, Indianapolis, Ind.; J. G. Crozer, Cedar Rapids, Ia.

WAPPINGERS FALLS, N. Y.—The Dahlia Society held its annual exhibition September 23, 1910.

TAYLORVILLE, ILL.—M. B. Leach has sold his greenhouse property to Theodore Steffas of Springfield, who will be assisted by Miss Tena Steffas of Chicago in conducting the business.

WE ARE CUTTING HEAVILY American Beauties

Richmond and Mrs. Marshall Field Roses.

Also Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,		Per doz.	Killarney, select.		Per 100	Ivory		Per 100
Long stems	.....	\$3 00 to \$4 00	"	medium	\$6 00	Carnations	.....	\$5 00
30-inch stems	.....	2 50	Mrs. Marshall Field, select	.....	\$4 00 to 5 00	Valley	.....	\$1 50 to 2 50
24-inch stems	.....	2 00	"	medium	8 00	Easter Lilies	per doz.,	3 00 to 4 00
20-inch stems	.....	1 50	Perle	.....	4 00 to 6 00	Asparagus Plumosus,	.....	1 50 to 2 00
15-inch stems	.....	1 25	Bride	.....	4 00 to 5 00	extra quality	per bunch,	50
12-inch stems	.....	1 00	My Maryland, select	.....	4 00 to 5 00	Fancy Ferns	per 1000,	1 50
Short stems	.....	\$4 00 to \$6 00 per 100	"	medium	6 00			
Richmond, select.	.....	Per 100						
"	medium	\$4 00 to 5 00						

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

Chicago Bowling.

The Florists' Club bowling league opened its season September 28 at Bensinger's alleys, 118 East Monroe street. The Carnations won three games, the Roses lost three, Orchids won two and lost one and the Violets lost two and won one game.

The following table shows the individual and team scores for games played the opening of the season:

Carnations.			Roses.		
Tres	175	176 193	Goerisch	145	113 124
Lauss	133	120 130	Byers	149	123 134
Schultz	162	126 117	Johnson	172	146 153
Vogel	132	131 136	Wolf	115	122 182
A. Zeck	150	167 157	Al. Fisher	166	165 101
Totals	752	720 733	Totals	747	660 694
Orchids.			Violets.		
Huebner	142	158 164	Vaughan	178	168 168
Graft	134	159 150	Libermann	146	157 134
Degnan	139	170 152	Schiller	138	92 136
Pasternik	113	169 191	Lorman	157	156 116
Zeck	165	135 174	Yarnall	157	165 161
Totals	693	791 831	Totals	776	738 715

St. Louis.

The past week we have experienced some real nice fall weather, cool nights and cool days. Violets have made their debut and are small but of good color; carnations are improving in size and length of stem. Some fancy dahlias in assorted colors are in. Early yellow and white chrysanthemums are in but not enough to cause any influence on the market. American Beauty roses are more plentiful and of good color.

NOTES.

Ostertag Bros. had one of the largest store openings, that of Greenfield & Sons, gents' furnishers. The interior was beautifully decorated with wild smilax and foliage plants. The feature was the distribution of cut flowers to the public, over 10,000 carnations, roses and other flowers were given away.

The retailers hold their meeting next Monday evening at the Knights of Columbus hall. Now that everything has been settled satisfactorily with the wholesalers in regard to selling at retail the association will endeavor to remedy other evils.

The crepe-pullers are increasing, advertisements being inserted in the daily papers for solicitors. All methods to obtain orders are used. Let the Retail Association work to keep the florist business to its legitimate channels.



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Coerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR

51 Wabash Avenue.

CHICAGO.

Chas. Wors, son of C. W. Wors, on his way home from the theatre was held up by two masked men with revolvers, demanding all he had.

M. F. Widmer, of Highland, Ill., was a visitor. He has made an addition to his houses of 20x50 for smilax.

Hugo Gross, Fred Ude and Billie Winter were among the early ones with sweet violets.

C. Young & Sons Co. have the decorations at the Coliseum for the Veiled Prophet's Ball.

The W. C. Smith Wholesale Floral Co. has added a splendid new icebox 8x12.

Milwaukee.

Stock rather scarce toward the end of the week and impossible to fill all orders complete. Asters are practically out of the market, there are still a number of gladiolus and dahlias coming in which are of a fine grade. American Beauties are improving wonderfully selling readily and for good prices. Roses turned out to be very scarce especially pink. Carnations are improving each week and there are several growers bringing some excep-

tionally good flowers to the market, which are being disposed of readily and at good prices. Lilies are still scarce, there are a few mums coming in which are of a very good grade. Enough green goods of all kinds to supply the demands and a very fine grade.

NOTES.

Fred Schmeling has several fine benches of Lawson Enchantress which he says are a very satisfactory producer. He also has some other varieties that look very promising. He and his family returned last week from an extended automobile tour through the southern part of Illinois, visiting the different greenhouses and claims that he has seen some very fine places.

Mrs. Freytag reports business exceptionally fine. Their greenhouses are looking first rate, everything looking strong and healthy. They have a fine lot of mums and poinsettias that are going to help them out considerably when they commence cutting same with their extensive cut flower trade.

There are several Milwaukee parties that went to the Market Growers' con-

Send Trial Order Now.

CUT FLOWERS

ROSES, CARNATIONS, CHRYSANTHEMUMS and all other Seasonable Stock.

Our Roses are of exceptionally good quality. Our Carnations, although a little short of stem are as Good a Grade as can be found in the Market.

WIETOR BROS., 51 Wabash Ave., Chicago.

L. D. Phone Randolph 2081

Detroit.

Trade conditions last week were much enlivened by many stores opening decorations and some of the florists were kept hustling in this work alone. B. Schroeter had the Crowley Milner store and the Newcomb Endicott store, the latter being very extensive and called for the use of two thousand long stemmed Beauties, three hundred palms and ferns and about a hundred made up baskets of foliage plants tastefully and in some cases elaborately trimmed with ribbons and considerable quantities of artificial high colored foliage. Hugo Schroeter of the firm personally selected most of the roses in the Chicago market for the occasion. J. Breitmeyers' Sons had the decoration of the Hudson Thompson store at Toledo and the J. L. Hudson store here. In the former large cornucopias were used filled with corn, cat tails, hydrangeas, while the local store used purple flowers and brown autumn foliage in great quantities. W. B. Brown had the Elliott, Taylor-Wolfenden store where great quantities of palms, ferns and gladioli were used. J. F. Sullivan had the Henry Blackwell store decoration which consisted chiefly of palms and ferns. In other branches of the trade there was but little doing while the market was glutted with great quantities of roses and good late asters and gladioli. The weather continues warm and indications point to quiet conditions for the present week unless colder weather comes to relieve the situation.

NOTES.

The new flower shop at 20 John R street had an auspicious opening Oct. 1. The proprietors, Miss Hattie Holzhauser and Mr. Bleil, were kept busy receiving the congratulations of the many friends that called, including many florists, some of whom sent vases of flowers and plants expressive of their best wishes to the new firm.

Breitmeyer's Woodward avenue branch store is rapidly approaching completion and will be occupied about October 15 and will be in charge of Miss Kaufmann, who has had many years' experience with the firm.

J. F. Sullivan is putting in a new refrigerator twelve feet long, four feet wide and nine feet high. It was manufactured by the McCray Refrigerator Co., Kendallville, Indiana.

Chas. Hufford is now nicely equipped in his new store, 51 Gratiot, and receiving much encouragement in his new venture.

Fred York, son of C. L. York of Hancock, has entered the service of J. Breitmeyers' Sons in their Broadway store.

FLORISTS' CLUB MEETING.

The club meeting October 3 was well attended. The meeting was the first held in the club's new quarters at 112 Farmer street. The chief feature of the program was a paper by Frank Danzer on "Side Lights on the Work of the Twentieth Century Club's School

ANNOUNCEMENT

THE CHICAGO CARNATION CO. desire to announce to the trade that they have secured space on the Chicago market for the handling and selling of the product of their large range at Joliet, Ill., and are now prepared to fill all orders for everything in the Cut Flower line.

We Want Your Trade and Will Guarantee Satisfaction.

CHICAGO CARNATION CO.

A. T. Pyfer, Manager.

35-37 Randolph St., CHICAGO.

Garden Work." As the essayist has been most actively engaged in the work the past season he was well qualified to treat the subject interestingly. He aroused much enthusiasm in this altruistic work which has been our club's support for several years and more energy will hereafter be exercised in its behalf. To that end President Geo. Brown appointed a permanent committee which will at all times be available to work in harmony with a like committee of the Twentieth Century Club. The club's committee consists of Frank Danzer, Geo. A. Rockham, E. A. Scriber, Robt. Unger and J. Sullivan. Robt. Rahaley of the entertainment committee made a belated report of the club outing to Bois Blanz last July. A spirited discussion was engaged in by many members on the old question of the effect of cheap fern sales on the development of trade, some maintaining that such sales are a detriment, while others as strongly favored them as encouraging the public in the use of plants.

J. F. S.

Pittsburg.

STOCK PLENTY.

With the coming of the chrysanthemum, business is improving and the demand takes all the good stock that is offered. Of course, only Golden Glow, October Frost, Pacific, and Polly Rose are offered in chrysanthemums, but they are here in quantity. American Beauties are also arriving in quantity and are very active. Violets have improved in quality and the demand for them is growing. Lily of the valley is the one scarce flower, being hard to obtain. Asters are a thing of the past and carnations are not coming in very fast which leaves a gap that dahlias fill very satisfactorily. Lilies are more plentiful but keep their prices. All greens are more than plentiful.

NOTES.

It came as quite a surprise to a great many to hear the announcement that the Breitenstein Co. will discontinue its business. Heavy rent and

business not coming up to expectations have resulted in such a heavy loss during the last year that they found it impossible to continue the business. At a meeting of the creditors they took over the book accounts without any legal proceedings. Mr. Breitenstein has the sympathy of everyone as we all know he did his level best and duty, but conditions were against him.

Earl Tipton and family are back from the A. W. Smith Co. farm at Canfield, O., where he has been camping out for the last three months. He is much improved in health and is again on the job as buyer for the A. W. Smith Co.

Sam Frampton reports that the Ziegler Co.'s store in the Rittenhouse is doing finely. Miss Friel, formerly with the A. M. Murdock Co., is also associated with this place.

Henry Klunders is back again at his post after an absence of two weeks.

Phillips & Seedan, Washington, Pa., are cutting some nice roses.

George Warrick of the Washington Floral Co. was married September 29.

Max Schueller has just returned from his trip to Germany.

C. A. Dunn and Phillip & Seedan of Washington, Pa., are very busy on account of the centennial being celebrated in that town.

The negro who robbed the residence of John Bader recently was given the salty sentence of six months to the workhouse.

Visitors: Jos. Thomas, Greensburg, Pa.; W. Thomas, Kalamazoo, Mich.; A. T. Moreland, Toronto, O.

J. L. Gilsey, Wilkinsburg, Pa., is going to open a new store near Wood street, Wilkinsburg, Pa.

A. W. Smith Co. are using tritomas, or red hot pokers, effectively in their large window displays.

The McCallum Co. are handling large quantities of Beauties. Nice violets are also seen here.

The Pittsburg Cut Flower Co. is now settled in their new quarters on Seventh street.

Randolph & McClements have the decoration for the Jos. Horne Co.'s anniversary.

We Are Strong on Roses

NONE BETTER TO BE HAD.

Our Killarneys are of that bright rose pink color on long stems, with splendid foliage. Bound to give satisfaction.

My Maryland, Beauties, White Killarney,
Jardine, Richmond, Field,
Kaiserin, Bride, Bridesmaid.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

We are now cutting fancy White and Yellow (Monrovia) **Chrysanthemums**. Will be able to furnish Pink in the course of another week.

Valley
Harrisii
Gladioli
Auratum
Tuberoses

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 WHOLESALE GROWER OF **CUT FLOWERS**

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

Roses and
Carnations
A Specialty.....

J. L. Giesey, Wilksburg, Pa., is going to open a new store near Wood St., Wilksburg.

Miss Freil, formerly with A. M. Murdock, is now located with Zeiger Co., East End.

W. D. Faulk, Homestead, Pa., has sold his store to E. N. Moon of that place.

W. D. Faulk, Homestead, Pa., has sold his store to E. N. Noon, of that place.

Zeiger Co., East End, opened their store in the Rittenhouse, September 24.

Henry Klunders is back again at his post after an absence of two weeks.

Phillips & Seedam, Washington, Pa., are cutting some nice roses.

J. B. Murdock Co. are receiving a nice line of Maryland roses.

First violets of the season were seen at the McCallum Co.

C. A. Dunn, Washington, Pa., reports business fair.

Cincinnati.

STOCK IMPROVING.

Trade conditions remain about the same as last report. Jewish New Year created quite a demand for stock of all kinds and the retailers were busy accordingly. Roses of all kinds are just about equal to the demand, in fact, at times there is a surplus of the short stemmed teas. Carnations are improving in quality and there are not nearly enough for orders. Gladioli and asters are a thing of the past and the same may be said of tube rose spikes. There is a good call for Lilium Longiflorum and valley is not equal to the demand. A good call for green goods and an ample supply.

NOTES.

Richard Witterstaetter has the sympathy of the craft in the death of his better half which occurred September 30. The funeral took place on Monday afternoon and was largely attended and an immense amount of beautiful flowers showed the esteem in which the deceased was held.

J. C. Comout, representing James Carter & Co. of London, Eng., called on the J. M. McCullough's Sons Co. the past week. This is Mr. Comout's twenty-eighth annual visit to this

country and is proud of the fact that he has spent 51 years with the Carters.

Peter Weiland, formerly of Weiland & Olinger, was married to Miss Julia Garvey at Indianapolis, Ind., September 28. Mr. and Mrs. Peter Olinger of this city were in attendance at the wedding and carried congratulations from a host of friends in this city.

The bowling committee has been hard at work and will have a good proposition to submit to the members of The Cincinnati Florists' Society at the monthly meeting October 10, 1910.

William Murphy is the last one of the vacationists to return and he certainly is the picture of good health.

Julius Dilloff of Schloss Bros., New York, called on the trade the past week.

Washington.

DISAGREEABLE WEATHER.

The hot and dry weather is having a detrimental effect on business. Although the season has arrived when householders should be expected home, many of them are remaining away on account of the disagreeable weather conditions. However, there are always enough people here to keep something doing. There is marrying and giving in marriage and as elsewhere there are many floral tributes for those who have crossed the dark river. Outdoor stock is poor on account of the drought while there are plenty of dahlias, they are as a rule, small and parched. While this district is not considered a particularly favorable locality for growing flowers under glass, very fine stock for the season is now seen. This is particularly true in regard to American Beauty and Killarney roses and carnations.

NOTES.

Christian Shellhorn, for many years a well known florist of this city and Good Hope, D. C., who some time ago sold his business, has just returned from a three months' tour of Europe, being accompanied by his wife. He visited Germany, Switzerland and Italy. While he considers the landscape work in these countries very fine, he thinks that our American

growers of indoor stock are more progressive than the growers of the countries which he visited. He speaks highly of the attention paid in these foreign countries to decorative plant work about both hotels and private residences.

On October 1 George H. Cooke executed an elaborate wedding decoration. It was a home wedding, the occasion being the marriage of Miss Katharine Leech to Lieut. Thurston Hughes, U. S. A. The house decorations were of palms and Easter lilies, for the wedding breakfast American Beauty roses were the principal table decorations. The bridal bouquet was of lily of the valley, the bridesmaids carrying Killarney roses. He also executed a fine decoration for a dinner given at St. Patrick's rectory on the night of September 30, in honor of the papal delegate, Cardinal Vannutelli.

Alexander B. Garden, who, as previously reported in these notes, recently met with a serious accident, is rapidly recovering and is now able to walk about his range with the assistance of a cane. His brother-in-law, Alexander Davidson, who recently returned from an extended visit in Scotland, has taken charge of the construction of Mr. Garden's new house and the work is being rapidly pushed toward completion.

Joseph M. Hardy, who has been connected with the florist business since he was fourteen years old, has now a fine store at the corner of Vernon avenue and L street, N. W. Mr. Hardy is a practical landscape gardener as well as a florist and is doing much work in that line. He is also well equipped in the matter of supplying shrubbery and decorative plants.

F. H. Kramer has embarked in a theatre venture. He is president of the Imperial Theatre Co. recently incorporated with a capital stock of \$200,000. The new theatre is being pushed rapidly toward completion. It is located on Ninth street, N. W., between D and E streets.

George Shaffer has just finished decorating his store and it is very handsome. During the summer he was too busy to have it done, but took advantage of this hot and dry spell.

IN FULL CROP

Beauties, Cattleya Labiata, White and Pink Killarney.

If you have not previously bought of us, try us **NOW**, and we will see that you are pleased.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$3 00
30 inch stems.....	2 50
24 inch stems.....	2 00
20 inch stems.....	1 50
15 inch stems.....	1 25
12 inch stems.....	1 00
Short stems.....	\$4 00 to \$6 00 per 100
Richmond, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00

Killarney, fancy.....	\$8 00 to \$10 00	Per 100
select.....	6 00	
medium.....	4 00 to 5 00	
Bridesmaid.....	4 00 to 5 00	
Bride, fancy.....	8 00 to 10 00	
medium.....	4 00 to 5 00	
My Maryland, select.....	8 00 to 10 00	
medium.....	4 00 to 5 00	
Chatenay.....	5 00	
Ivory.....	5 00	
CATTELEYA LABIATA, per doz.....	\$6 00	

Gladioli, named varieties.....	Per 100
in mixture.....	\$4 00 to \$6 00
1 50 to 2 00	
Roses, our selection.....	3 00
Carnations.....	1 50 to 3 00
Valley.....	3 00 to 4 00
Easter Lilies.....	12 00 to 15 00
Sprengeri.....	25c to 35c per bunch
Asparagus Plumosus.....	35c to 50c
extra quality per bunch.....	
Fancy Ferns.....	\$1 50
per 1000.....	

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

J. H. Small is back from Europe and says that he was much pleased with the horticultural features he saw there, particularly those of Holland.

On the occasion of the appointment of Norman A. Merritt as postmaster of this city, October 1, he received many beautiful floral tributes.

Last week W. F. Gude received the members of the Prison Congress, which does not mean, however, that he is in any danger of being locked up.

W. E. McKissick of Philadelphia will, about October 15, take charge of the wholesale store of the Pennock-Meehan Co. in this city.

At his new store on P street, N. W., John Robertson is having a great sale of palms, ferns and other foliage plants.

W. W. Kimmel has got his new store in fine shape and is now well equipped for the season's business.

A. Gude & Bro. are showing very fine stock in American Beauty and other roses.

Baltimore.

BUSINESS IS GOOD.

Notwithstanding the fact that a great drought and hot weather prevails, trade is fairly good. There is plenty of dahlias but the outdoor roses, which at this season are usually a factor in the market for funeral work, are rather scarce on account of the dry weather. The greenhouse stock is light in supply of roses and carnations, but better things are expected in a short time. A few very good chrysanthemums, mostly Golden Glow, are on the market. The extent of the drought is far reaching and is seriously affecting not only florists, but farmers and nurserymen located in the territory adjacent to this city. While there has not as yet been a curtailment of city water, it is feared that if the drought continues the supply may run low.

FLORISTS' CLUB MEETING.

The Gardeners' and Florists' Club met in regular session September 26 with a good attendance. President Morrison in the chair. Considerable routine business was transacted. Prof. Symons, of the Maryland Agricultural College, was present and spoke interestingly on various phases of horticulture. He made an appeal for more care and uniformity in the planting of shade trees in cities. P. B. Welsh, of Glen Morris, Md., exhibited exceptionally fine blooms of the chrysanthemum Golden Glow.

"THE BUSIEST HOUSE IN CHICAGO."

IF you are not receiving our weekly letter to the trade write us that we may put your name on our list. It will keep you in touch with the great central cut flower market and keep you posted on prices.

We are especially strong now on **Carnations, Roses, 'Mums, Violets, Gladiolus, Dahlias, and Wild Smilax.** Headquarters for all Greens. Send us a trial order.

J. B. DEAMUD CO.,

L. D. Phone Central 3155

51 Wabash Ave., CHICAGO.

NOTES.

Robert Caryll, assistant to John J. Perry in the Florists' Exchange, recently underwent an operation on one of his arms, the cause for which almost parallels the stories we read of the people who swallowed needles in childhood and had them taken out of their arms or legs years after. Seven years ago, while working in a greenhouse, he fell and his arm struck in a box containing glass and glazing points. That arm has given him more or less trouble ever since. One year ago an operation was performed and a piece of glass removed, but results were not satisfactory. The late operation revealed a glazing point and Rob now hopes that there is no metal, except good iron, in his system.

Edward Kress, of 2506 East North avenue, has a red seedling rose, now in its fourth year. It is a cross from Etoile de France and Gruss au Teplitz. It is very double, and fragrant, and when exhibited at the last club meeting, received many favorable comments. Incidentally it may be stated that Mr. Kress will celebrate the golden jubilee of his business next March. It was founded by his father whom he succeeded, and he expects to celebrate the event in an appropriate manner.

J. Dan Blackistone, formerly at Eutaw Place, has now a finely equipped store at the corner of Madison avenue and McMechin street, and is doing a thriving business. Mrs. Blackistone is his able assistant in the business. Mr. Blackistone is a brother and business associate of Z. D. Blackistone, of Washington, D. C.

On September 27 many members of the club, with other florists, visited the dahlia show of R. Vincent, Jr., & Sons Co., White Marsh, Md., and all were gratified with the splendid display as well as the large-hearted hospitality of the proprietors.

John Schuncke has sold his greenhouses and store, at 2505-2509 East North avenue, to his brother-in-law, A. J. Hilscher, formerly in his employ. Mr. Schuncke will hereafter give his attention to his store, at 1302 East Baltimore street.

James Glass, of Erdman avenue, has recently acquired the greenhouse of his neighbor, James Simpson, who, it is understood, will hereafter devote his attention to private gardening.

Henry Fischer, of Sinclair avenue, has a well kept and up-to-date range. He has just put in a new 150-horse power boiler, made by James Leffel & Co., Springfield, Ohio.

John A. Nutte, of Gardenville, one of the younger members of the craft, is showing fine carnations for the season. He also grows a good quality of mixed stock.

August C. Twele, of 1875 North Gay street, is one of the progressive young florists of this city. He was reared in the business and keeps up with the times.

August R. Tischinger, of Govans-town, is bringing in fine ferns, palms and other foliage plants, which sell well.

MARSHALLTOWN, IA.—W. H. Ford will build a greenhouse, 20x100 feet, with an office and store on the property he recently purchased.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Mention the American Florist when writing

Percy Jones

60 Wabash Ave., CHICAGO

Providence.

STOCK PLENTIFUL.

There is very little change in the business from a week ago. Funeral work and counter trade continue steady and cut flowers of most all kinds plentiful and of a good quality. Prices are about normal for this season of the year. Cooler weather prevails and a killing frost may be expected any night about this time. Several florists grow dahlias on a large scale, and a great influx of this rich, showy flower is coming in. The quality is very fine, but the buyers don't seem to take hold of them. The special feature is the waning of the aster season. It has not been a good season, owing to weather conditions, and the shortening in supply has naturally made prices better of late. There is still good stock being received. Carnations are more plentiful, but not near enough to supply the demand. There are plenty of roses of the leading varieties of a good quality, which are selling for small prices. Cosmos is plentiful and moves slowly. Chrysanthemums are selling no better. Lilies are not over-abundant and the demand cleans up the supply. Gardenias are improving, and the demand is more steady. There is enough of lily of the valley to supply all demands at regular prices. Gladioli are scarce and tritomas do not sell. Tuberose are coming in in great quantities. Orchids are scarce with little demand, and greens of all kinds are very plentiful.

NOTES.

The Rhode Island Horticultural Society held its fall meeting September 21. President Burlingame and

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Oct. 5.	
Roses, Beauty, extra select	3 50
" " specials.....	3 00
" " 36 in	2 50
" " 30 in	2 00
" " 18 in	1 50
" " 15 in	1 25
" " Short	1 00
Per 100	
" Bride, Bridesmaid, select.....	3 00@ 8 00
" " medium	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short.....	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chatenay.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	2 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select.....	4 00@ 10 00
" " medium	2 00@ 3 00
Carnations.....	1 00@ 3 00
Chrysanthemums...per doz.,	2 00@ 3 00
Cattleyas.....per doz.,	4 00@ 6 00
Dahlias.....	2 00@ 4 00
Gladioli.....	3 00@ 5 00
Lilium Harrisii...per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Mexican Ivy.....	75@ 1 00
Adiantum.....per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Ferns.....per 1000,	1 00@ 1 50
Smilax.....	1 50@ 2 00

Thomas Hope spoke on tree planting in neglected streets. Prof. Stene of the State College said that the greatest need of the society at the present time was a home, a place where the meetings could be held regularly. Richard M. Bowen voiced the approval of the suggestions of Prof. Stene, and urged the adoption of methods whereby the attendance as well as interest in the meeting and work of the organization would be increased. A committee of three was appointed to look into the matter of a hall for the society and report not later than December. Francis Gallagher spoke on the importance of the support and co-operation of the society in relation to a public market place, and Thomas Hope and L. G. K. Clanner were appointed a committee to appear at the hearing in support of the measure. Fred A. Hayward of Pawtucket, Frank L. Gay and John S. Williams of Providence were elected members of the society. Rev. G. W. Kinney of East Providence has excellent success with one of Luther Burbank's creations, the wonderberry, and

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.
Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market
60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.
See JOHN SINER, Manager

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.
Long Distance Phone, Randolph 3619.

exhibited a quart basket of them. The society will hold its exhibition of fruits, flowers, plants, bees and honey at Columbia Hall, Weybossett street, on September 29 and 30.

Harry A. Budlong and his sister, Florence Budlong Cutts, has filed with the probate court of the city of Cranston, R. I., a petition for the appointment of a conservator of the property of their father, Frank L. Budlong. It is claimed that by reason of mental weakness he has become incapacitated to manage his property.

The sympathy of the trade is extended to Michael Sweeney and family in their sad bereavement in the loss of their daughter, Mrs. Robert Grimes, who died on September 17.

George L. Stillman of Westerly, R. I., was awarded a number of first prizes on dahlias at the Kingston fair recently and at the Connecticut State Fair.

Nathan D. Pierce of the Norwood greenhouses has just completed an addition to his greenhouses, 24x100 feet.

William Appleton is reported as very ill.

G. A. J.

CLINTON, MASS.—Willis A. Fuller is building a greenhouse 40x130 feet.

Of Special Interest to Retailers Is Our Offer in

EASTER LILIES

\$1.50 per dozen; \$10.00 per 100. Thoroughly reliable stock in every respect. We have Lilies every day in the year, and can furnish them in most any quantity on short notice.

Commencing October 3rd will be open every day until 8 p. m.

THE LEO NIESSEN CO..**BRONZE GALAX**

\$1.00 per 1000; \$7.50 per case.

A STAPLE ARTICLE YOU USE EVERY DAY.

The stock we offer is of an unusual good quality. Try a case.

1209 Arch St., Philadelphia. Pa.**Philadelphia.****BUSINESS SLOW.**

While there is an improvement in business, it comes slowly. The weather is now much cooler, which is a favorable omen for the trade. While there is enough stock to supply all demands it cannot be said to be over plentiful. There are good roses on the market, but no more than enough to go around. Carnations are good for this time of year. While there are some good chrysanthemums in, the great volume is yet in the future. Dahlias and cosmos and a sprinkling of other outdoor stock is abundant and cheap.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the club was held October 4, President Heacock in the chair. The feature of the meeting was the address by Richard Vincent, Jr., of White Marsh, Md., on the bulb growing industry of Holland, which was beautifully illustrated with stereopticon views and at the close was loudly applauded and awarded a vote of thanks. Robert Scott & Son, of Sharon Hill, exhibited their sport of the Killarney rose. It is more double than the parent and was reported by the judges to be an admirable flower. The meeting was a very enjoyable occasion. The attendance was large and abundant refreshments were served during the evening. W. F. and Adolphus Gude of Washington, D. C., were notable visitors at the meeting.

NOTES.

John McIntyre, who has just returned from a southern trip, went as far as Richmond, Va. He speaks in glowing terms of the enterprise of Ratcliffe & Tanner, of Richmond. On October 1st they will move into their new building, 25-27 West Broad street. It is 150 feet from front to rear and four stories in height, and will be used exclusively for their business, with everything thoroughly up-to-date. Mr. Ratcliffe looks after the retail store, while Mr. Tanner is in charge of their twenty-five greenhouses.

Mrs. John Cella, wife of the well known retailer of 21st street and Columbia avenue, recently underwent a serious operation at a local hospital but is now rapidly recovering. Mr. Cella reports fall business as rapidly improving, and between the anxiety for his wife and looking after the store he has been very busy.

The West Philadelphia Flower Shop, 32 South Fortieth street, conducted by Paul and Arthur E. Schroeder, is a very interesting place to visit. Paul Schroeder has had large experience as head gardener on fine private estates, and thoroughly understands all the branches of the business.

Peter Wagner of Brooklyn, N. Y., accompanied by his estimable wife, was a visitor last week. In company with his friend, Roman J. Irwin, he visited the Joseph Heacock range at Wyncote and took in other leading features of this city.

Charles Imbrie Kent, Jr., who recently succeeded his father in the retail business at 204 South Fortieth street, has a very fine store, with a conservatory attached, and is doing a nice business.

Rupert Kienle of 39 South Seventeenth street, says that his retail busi-

Wholesale Flower Markets

PHILADELPHIA, Oct. 5.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Asters.....	75@ 3 00	
Cattleyas.....	50 00@75 00	
Dahlias.....	1 00@ 3 00	
Gladiolus.....	2 00@ 4 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	4 00@ 8 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Oct. 5.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" extra.....	8 00@12 00	
" No. 1.....	4 00@ 6 00	
" Bride, Bridesmaid.....	1 00@ 6 00	
" Chatenay.....	1 00@ 6 00	
" Killarney.....	1 00@ 6 00	
" My Maryland.....	1 00@ 6 00	
" Richmond.....	1 00@ 6 00	
Carnations.....	1 00@ 3 00	
Asters.....	1 00@ 2 00	
Chrysanthemums... per doz., 1 50@ 2 00		
Dahlias.....	1 00@ 2 00	
Gladioli.....	2 00@ 5 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch, 50		
" strings... per string, 50		
" sprays... per bunch, 50		
Smilax.....	15 00	

ness has greatly improved during the past two weeks. He is an up-to-date retailer and always has what the people want.

The first pink chrysanthemums we have noticed on the market came in to the Pennock-Meehan Co. on September 22. They were of the variety Montmort and were in fine condition.

Edward Reid has gone on a trip through the South. During his absence Stewart Miller will look after the store, assisted by Ralph Shrigley, formerly with the Pennock-Meehan Co.

The stock that the Leo. Niessen Co. is now handling is very noteworthy. They have a line of the best rose growers in this vicinity, and the pick of the dahlia crop.

J. F. Hunter, formerly with the Robert Craig Co., has assumed the management of Miss Baker's range at Media, Pa., and it is believed that he will be successful.

John Jensen, 3840 Lancaster avenue, has a very handsome store and is doing a good business. Do not confound him with Yens Yensen; they are no relation.

Paul Berkowitz of H. Bayersdorfer & Co., has returned from his vacation which he spent at Atlantic City and other seaside resorts.

Pennock Bros., retailers, of 1514 Chestnut street, are making remarkably fine window displays of the most seasonal flowers.

W. J. Baker visited the unveiling of the Pennsylvania monument at Gettysburg battlefield and thoroughly enjoyed himself.

Charles Gray, formerly with W. E. McKissick & Bros., is now the buyer for Habermehl's Bellevue-Stratford store.

Alfred M. Campbell, wholesale, of 1510 Sansom street, is carrying a good stock and reports business improving.

FINE**Asters and Gladioli****THE McCALLUM CO., Inc.,**

937 Liberty Ave., PITTSBURG, PA.

Mention the American Florist when writing

Asters, Gladioli, Beauties,**Roses, Sweet Peas.**

All seasonable flowers.

Pittsburg Florists' Exchange,

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.Solicit Consignments of First-Class Stock.
"Honesty Our Motto." Try Us.**Pittsburgh Cut Flower Company****WHOLESALE GROWERS**

121 Seventh Street, PITTSBURGH, PA.

John W. McIntyre**WHOLESALE FLORIST.**Chrysanthemums, all colors.
1601 Ranstead St., PHILADELPHIA, PA.

Samuel B. Bell, 61 North Eighth street, has recently been doing fine funeral and decorative work.

Mary A. Fox, formerly at 4652 Lancaster avenue, has closed her store and retired from business.

Mark Mills of the W. K. Harris range reports good business and expects it to improve.

M. Rice & Co. report the best autumn business they have ever had.

S. S. Pennock has returned from his vacation.

HILLSBORO, ILL.—George L. Zeall will soon commence work on a greenhouse in which to grow flowers for the local trade.

MUNCIE, IND.—The Warfel Floral Co. are erecting six new greenhouses, intending to grow carnations for the wholesale market.

YOUNGSTOWN, O.—The boiler room and part of the greenhouse of Rudolph Haney was destroyed by fire September 17, causing a loss of about \$600.

PORTLAND, ME.—A new greenhouse is being erected by the city authorities for the purpose of growing the plants for the decoration of the parks and public grounds.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

GOOD BUSINESS.

October made its advent with frost still holding off. Everywhere the tone of the florist trade was cheery. There has been a good supply of everything and the markets were quickly cleaned up. At the Co-operative Market more stalls have been sold. In both markets the new rental year went into effect October 1. Some kept their old stalls, but there were many changes of location. Two hundred and fifty stalls make a busy scene. At the old market there are several who sell for others, and their stuff is coming in all day. At the Co-operative the stall owners bring their stuff early and get away as soon as possible. It is sometimes noticeable that the men who want to go home early accept lower offers of cash than the all-day salesmen.

NOTES.

Among the retail florists, Galvin, Tremont street, had a big wedding at Plymouth, to which they shipped two car loads of bays and palms, besides smilax and yellow chrysanthemums. They are nearly ready at the Back Bay store with a greatly improved show front. They report a busy October in prospect. Wax Bros. had orders for set pieces for the funeral of Solicitor General Bowers, from the U. S. attorney general, two other cabinet officers and John Hays Hammond. Silverman, Winter street, is to have a swell rig, horse and van, delivering orders. Zinn, Park street, has installed a large electric sign on top of his building. MacMulkin, Boylston street, has introduced a line of fall bulbs. His window, arranged in yellow, drew attention, as did Houghton's, with a beautiful arrangement of ferns.

At the wholesale florists roses are in the lead, carnations next, mums are getting third place. Robinson's report, "Not enough good stuff to go round," "Headquarters for valleys and Beauty roses." Welch's report plenty of stock and business holding its own. Jansky was filling an order of new pattern of clover leaf wire frames.

Supt. Sullivan will begin next week to clear out the beds at the Public Garden, preparatory to putting in 100,000 bulbs for spring bloom. He makes some classes of bulbs do service several years.

Zinn reported a busy week with large out-of-town funerals. "Business very good" at Doyle's, Beacon street. Galvin also sang the same cheery note.

E. J. Crowley, former salesman for the Newtonville Avenue Greenhouses,

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Oct. 5.		Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	15 00
" " culls	2 00	4 00
" " Bride, Bridesmaid	1 00	4 00
" " Extra	5 00	8 00
" Killarney and Richmond	1 00	6 00
" My Maryland	1 00	8 00
" Carnot	2 00	8 00
Carnations, select	1 00	2 00
" fancy	2 00	3 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Chrysanthemums	8 00	25 00
Gardenias	16 00	25 00
Lilium Longiflorum	6 00	8 00
Lily of the Valley	2 00	4 00
Violets	50	75
Smilax	12 00	16 00

ST. LOUIS, Oct. 5.		Per 100
Roses, Beauty, long stems	15 00	20 00
" " medium stems	8 00	10 00
" " short stems	2 00	4 00
" " Bride, Bridesmaid	2 00	5 00
" Killarney	3 00	5 00
" My Maryland	3 00	5 00
" Richmond	4 00	4 00
Carnations	1 50	2 00
" fancy	2 50	2 50
Easter Lilies	10 00	12 50
Adiantum	1 00	1 00
Asparagus Sprengerii	2 00	3 00
Smilax	12 50	15 00

CINCINNATI, Oct. 5.		Per 100
Roses, Beauty	1 00	3 00
" " Bride, Bridesmaid	2 00	6 00
" " Golden Gate	2 00	6 00
" Killarney	2 00	6 00
" Richmond	2 00	6 00
Carnations	1 00	3 00
Callas	10 00	10 00
Daisies	50	50
Lilium Longiflorum	10 00	12 50
Lily of the Valley	3 00	4 00
Adiantum	1 00	1 50
Asparagus Sprengerii, per bch.	25	25
Smilax	12 50	15 00
Gladioli	3 00	4 00

MILWAUKEE, Oct. 5.		Per doz.
Roses, Beauty	50	3 00
" " Bride, Bridesmaid	3 00	6 00
" " Killarney	3 00	8 00
" " Richmond	3 00	6 00
Carnations	2 00	3 00
Gladioli	3 00	5 00
Lilium Giganteum, per doz.	2 00	12 50
Lily of the Valley	3 00	4 00
Magnolia	35	35
Snape dragon	2 00	4 00
Adiantum	1 50	1 50
Asparagus	50	60
" Plumosus, per bunch	35	50
" Sprengerii	35	35
Ferns, Fancy	1 50	1 50
Galax	1 50	20
Smilax	1 50	1 50

has bought ten acres at Watertown and will put up a range of glass.

The Park Street Market has been making a needed improvement—making the ceiling of their cold storage room frost and heat proof.

H. R. Comley, Park street, is the official decorator at the Mechanics' Fair Building, which opens this week. He has a booth there.

Welch Bros.' best item is a new green "Mexican Ivy." It has fine promise. It is a good one like Adiantum Farleyense.

At N. F. McCarthy & Co.'s business is "Way ahead" of last year.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES!

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames,
All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping,
and Everything in the Green Line
—LOWEST PRICES IN THE CITY.—

At Elliott's rose market they have had a good week—"A good call for all decent grades."

Daniel Iliffe of Boston is constructing a big range of glass for a Providence party.

David Duncan, Arlington, has 6,000 fine Boston ferns, from 6 to 14-in. pots.

The growers are getting in their Paper White Narcissus. W. T. H.

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our greenhouses in 7-in. and 8-in. pots, 2 to 3 feet tall.

Price, \$2.50 and \$3.00 each.

Julius Roehrs Company

Rutherford, N. J.

New York.

DEPRESSING WEATHER.

The continued hot weather of last week has had a rather depressing effect on the market again. Although toward the end of the week there was a little more activity owing probably to the close proximity of the Jewish holidays and a tendency of the retailer to speculate on that account. Quite a number of fair gardenias and violets are seen on the streets just now, some fine mums are arriving and numerous cattleyas have suddenly made their appearance causing a considerable drop in their price.

NOTES.

Ed. Habermehl of Habermehl & Sons with 25 men from Philadelphia decorated the new department store of Gimbel Bros. for their opening September 29. 125 cases of southern smilax, more than 300 palms and an enormous quantity of beech sprays, pine bows, roping and hydrangeas were used. A distinctly novel feature was the decorating of the elevated railroad structure for over a block in front of the store with southern smilax, beech sprays and roping. Julius Wolff of 1617 N. Nineteenth street, Philadelphia, will have charge of the florists' department of this store.

It is pleasing to note that Greenhut & Co., one of the large department stores here, have gone in for horticultural display as a means of advertising. Window boxes range along the entire second floor of this establishment, artistically filled with box trees, English ivy and plants of celosia, etc., the effect being very beautiful. It is to be hoped that other large stores will soon follow their example and New Yorkers will be able to point with pride to her beautiful aerial gardens before long.

Chas. Thorley secured the contract for decorating St. Patrick's Cathedral, the consecration of which took place October 5. Five carloads of autumn foliage and over 25,000 yards of roping were used in decorating the interior, the altar was banked with palms and Easter lilies of which over 9,000 blooms were used, while on the lawns surrounding the edifice and at the entrance were placed rows of large bay trees. Manager Humphries was personally in charge of the work.

The New York Florist Club Bowling Association held their first official games of the season September 30, at which there was a good attendance. Prizes were won by J. Fenrich and J. A. Manda. The following are the scores:

Fenrich	156	173	121	Shaw	165	103	110
Berry	108	104	115	Manda	162	149	140
Burns	92	105		Scott	137	167	114
W. Kessler	95	96		Smith	102	121	156
McArdle	129	114	95	Nugent	55	62	84
Vanderbilt	74	86	52	Fleaser	91	67	79
Moltz	128	118	108	Meiklejohn	74	60	84

The aged mother of John Geib, a well known florist of 131 Jackson avenue, Long Island City, was recently found dead in her home. Mrs. Geib lived alone and it is thought by physicians who examined her body when found, that she had been dead a week. They attributed her death to natural causes but her son thinks that she was murdered, as he says that she was supposed to have a considerable sum of money which cannot be found.

W. S. Lee, the Hippodrome florist, has a window display in the form of a picture, the frame of which is formed with plants of Scottii ferns, while the picture itself is a sloping landscape of small ferns, crotons, wild aster and spray orchids, with a background of cybotium ferns and golden rod, and is attracting a good deal of attention.

Kessler Bros. will add to their wholesale plant business a wholesale cut flower department, which will be under the management of R. Gretsche. The firm has secured the lease of three adjoining stores and will commence alterations just as soon as they are vacated by the present tenants.

Roy & Bassi have opened a fine store at 104 Main street, New Rochelle, both young men were until recently employed in Mt. Vernon, the Foster & Mansfield Co. of West Twenty-eighth street furnishing the store fittings, which are quite elaborate.

P. Devir, decorator for Wm. P. Sears, has a large dinner decoration on for the Union League club, the piece d' resistance being a large call bell made of white and pink asters.

The Onaway Florist will open for the season October 6 under the management of Miss Beardsley, who has been with this firm for a number of years.

The Badgely, Riedel & Meyer Co. are now receiving some fine roses and have added Frank Sheehan to their staff of salesmen.

The home of J. Fenrich received a visit from the stork September 28, and mother and daughter are both doing nicely.

A meeting of the board of directors of the New York Cut Flower Exchange will be held October 1.

Buffalo.

Ideal weather the past week has made the demand for flowers quite brisk. All flowers are showing improvement in quality. Roses, carnations and mums being almost equal to demands. Funeral work has been very good as have been weddings of fair proportions. The AMERICAN FLORIST speaks of floral pictures of other cities being accepted by the Ladies' Home Journal. Palmer has had his bouquets and dinner table arrangements in the Journal several times which is a good advertisement for Buffalo.

falo and casually informs the public that Buffalo is well off for artists in floriculture. The floral picture in S. A. Anderson's window last week was the greatest attraction in a florist's window in some time, the flowers in the picture were Oncidium Orchids, Mrs. Taft Roses and Adiantum Farleyense. Beginning October 1 down town flower stores will be open until 10 P. M. Saturdays until 11 P. M. Dahlias are coming into the Buffalo market and are of very good quality. Some fine orchids are also coming in and finding ready sale. With three wholesale houses in Buffalo the local florists should be well supplied with stock.

NOTES.

The activity displayed by all of the members of the Buffalo Florists' Club precludes any of the interesting papers that were anticipated for the early fall meeting, they will be postponed until after the show.

Chas. Sandiford has returned from his trip abroad thoroughly rested and ready for his fall planting. He gained in weight but the salt water did not help his hair. They say he is more bald than ever.

Palmer & Son are making alterations in their Genesee branch, which, when completed, will give them more room of which they are very much in need at present.

J. Benson Stafford as usual has had some very exclusive window displays. Oddity and originality are Ben's strong points.

Chairman Kasting has made good selections in his committees and all promise him their support.

The press of Buffalo have taken up the flower show and are doing all they can to make it a success. BISON.

Louisville.

Mr. Anders Rasmussen acted as judge at the recent state fair and gave general satisfaction, only one disgruntled florist thinking he ought to have had a premium he failed to get. The competition was so close that Mr. Rasmussen called in Mr. F. C. Haupt to help him decide and after the decision one florist insisted on another judge being called, but this was ruled out.

F. C. Haupt last week sold the Hast apartment building on Fourth avenue for something over \$60,000.

KOKOMO, IND.—W. W. Coles has returned from Oden, Mich., where he spent a brief vacation.

WATERBURY, CONN.—Geo. T. Ryan, for several years with J. Newman & Sons, of Boston, Mass., as designer, decorator and traveling man, has opened a store at 24 East Main street.

Young & Nugent,

Telephone 2065-2066 Madison Square.
42 West 28th Street,
 To out-of-town florists
New York
 We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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Wholesale Commission Florists and Dealers in Florists' Supplies.

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OFFICIAL S. A. F. Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red
 Price per 500. \$2.85; per 1000. \$4.50. Samples on request.
 Electro of leaf, postpaid, \$1.25. Cash with order.

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BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

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V. S. DORVAL, Secretary.
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Wholesale Florists

Consignments Solicited.

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Oct. 5.	
Roses, Beauty, special.....	8 00@20 00
" " extra and fancy...	3 00@ 8 00
" " No. 1 and No. 2....	1 00@ 2 00
" Bride, Bridesmaid, special.	4 00@ 6 00
" " extra and fancy.....	1 00@ 2 00
" Killarney, special.....	4 00@ 6 00
" " extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2....	1 00@ 2 00
" Kaiserin, special.....	4 00@ 6 00
" " extra and fancy.....	2 00@ 3 00
" " No. 1 and No. 2....	1 00@ 2 00
Carnations.....	1 00@ 3 00
Asters.....	25@ 2 00
Chrysanthemums... per doz.,	1 50@ 6 00
Cattleyas.....	35 00@ 60 00
Dahlias..... per doz.,	75@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	8 00@10 00
Lily of the Valley.....	1 50@ 3 00
Violets and Gardenias vary so much that they cannot be quoted.	

BUFFALO, Oct. 5.	
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	4 00
" Bride, Maid, Killarney.....	2 00@ 8 00
" Kaiserin.....	4 00@ 8 00
" Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 50@ 2 50
Asters.....	25@ 1 50
Chrysanthemums.....	10 00@25 00
Dahlias.....	1 00@ 3 00
Gladia.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch, 35@	50
Asparagus Sprengeri.. 35@	50
Asparagus Str.....	50@ 60
Ferns..... per 1000. \$1 50	
Galax, green and bronze.....	1 50
Smilax.....	15 00

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Wholesale and Retail Dealers
in all kinds of
Evergreens
Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc..
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Southern Wild Smilax

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Galdwell the Woodsman Co., Evergreen, Ala.

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FANCY.
\$1.00 per 1000

Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

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FANCY FERNS, **\$1.25 per 1000**

New Crop Galax, Bronze or Green\$1.25 per 1000; 10,000, \$7.50
Sphadnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze\$1.00 per 100; \$7.50 per 1000
Boxwoodper bunch, 35c; 50-pound case, \$8.50
Log Moss, in barrels for hanging baskets\$2.00 per barrel

Florists in the Middle and Western States can save money
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Laurel Wreathing and Sheet Moss

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FROM NEW YORK EXCEPT AS NOTED
October 11.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wil. der Grosse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

October 12.

Mauretania, Cunard, 9 a. m., Piers 54 and 56, North River.
Majestic, White Star, 3 p. m., Piers 60 and 61, North River.

October 13.

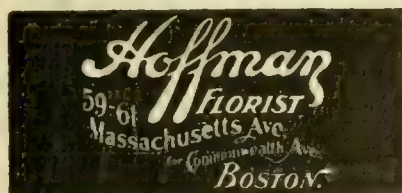
La Savole, French, 10 a. m., Pier 42, North River.
Prinz Friedrich Wilhelm, N. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM QUEBEC, Lake Manitoba, Can.-Pacific, 3:30 p. m.

October 14.

FROM MONTREAL, Victorian, Allan, 9 a. m.
FROM BOSTON, Numidian, Allan, 6 a. m.
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.

October 15.

Columbia, Anchor, 3 p. m., Pier 64, North River.
St. Paul, American, 10 a. m., Pier 62, North River.
Carmania, Cunard, 10 a. m., Piers 54 and 56, North River.
Caroline, French, Pier 84, North River.
La Gascogne, French, Pier 42, North River.
Kronland, Red Star, 11 a. m., Pier 59, North River.
Cedric, White Star, 2 p. m., Piers 60 and 61, North River.
FROM MONTREAL, Hesperian, Allan.
FROM PHILADELPHIA, Merion, American, 10 a. m., Pier 54.
FROM MONTREAL, Megantic, White Star-Dom., Daylight.



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41 Peachtree Street.

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WILLIAM L. ROCK,
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Will carefully execute orders for
Kansas City and any town in
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Anderson, S. A., 440 Main St., Buffalo, N. Y.
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Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H. Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Brettmeyer's Sons, John, Detroit, Mich.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 98 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
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Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
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Gude Bros., Washington, D. C.
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Hoffman, florist, Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.
Lange, A., 44 E. Madison St., Chicago.
McConnell, Alex., 571 5th Ave., New York.
McKenna, Montreal, Can.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Smith, Henry, Grand Rapids, Mich.
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Weber, F. H., St. Louis, Mo.
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Largest Floral Establishment in America
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Best Quality on Shortest Notice

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All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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Boston—Hoffman, 59-61 Mass. and Common-
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Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.

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Cleveland, O.—The J. M. Gasser Co.

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Kansas City—Wm. L. Rock Flower Co.

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4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Montreal—McKenna.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—Alex. McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton
Ave. N.

St. Louis—F. H. Weber, Boyle and Maryland.

St. Louis—Young's, 1408 Olive St.

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Terre Haute, Ind.—John G. Heintz & Son, 129
So. 7th St.

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Washington—Geo. H. Cooke, Conn. Ave. and L.

Washington—Gude Bros.

Washington—Geo. C. Shaffer, 14th and I Sts.

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W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNE-OTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,
FLORIST,**

Telegraph Orders
A Specialty, 218 W. 4th St.

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

VISITED CHICAGO: J. Chas. McCullough, Cincinnati, O., and Fred H. Bateman, Grenloch, N. J.

NEW YORK.—Alex. Mathers, for some years with the Currie Bros. Co., Milwaukee, Wis., and other western concerns, is now Thorburn's manager.

CHICAGO.—Prices on the board of trade October 5 for grass seed were noted as follows: Timothy, \$7.50 to \$8.50 per 100 pounds. White clover, from \$20 to \$25.

EDWIN NORTHRUP, of Northrup, King & Co., who visited Chicago October 5, returning from the Wisconsin pea district, reports great shortage in named garden varieties and that many of the Alaskas are of doubtful parentage.

PHILADELPHIA, PA.—Fred J. Michell and Roman J. Irwin visited the Vincent Dahlia Show at White Marsh, Md., September 27.—Maurice Fuld was one of the judges at the Nassau County, N. Y., exhibition held at Glen Cove, September 29.

THE recent ruling of the Board of Appraisers to the effect that hyacinth bulbs are dutiable at \$2.50 per thousand is not satisfactory to the importers and as the amount involved is large an appeal is being made to the Commerce Court, the final resort in custom house cases.

AN Erfurt correspondent writes, with regard to seed crops, as follows: "All items are looking miserable so far and promise poor crops, pansies perhaps excepted. The continued wet and cold weather destroys a good many crops, and we can not say anything definite before the middle or end of October."

BOSTON.—Among the seedsmen the universal remark is that a frost is needed to start the sale of bulbs. "Too much like summer," they say. And the seed houses have another common misery in the fact that they can't get seed to fill their orders. On some things the shortage is very serious—peas and beets especially.—W. T. H.

BARENBRUG, BURGERS & Co., grass seed specialists of Arnheim, Holland, for whom Geo. C. Watson, Philadelphia, is American representative, report that the bright prospects anticipated early in the season have not been realized. Broken weather from the middle of June to harvest time was so disastrous as to result in only an average crop generally, in some cases below the average, and in quality the seed is not so bright or so heavy as could be desired.

WASHINGTON, D. C.—G. E. Shultz says that the fall outlook for market gardeners looks gloomy, as much of the sowing for fall vegetables has not come up on account of the drought, and it is now too late for another sowing. Mr. Schultz is now finely located in his new store, which fronts on 304 Tenth street, N. W., and runs through the block to 1005 C street. He is doing a nice business in bulbs—C. M. Woolf & Co. report that on account of the drought sales of grass, wheat and rye seeds have been greatly curtailed.

G. KRUYFF, of Van Wavern & Kruyff, Sassenheim, Holland, was a visitor this week. Mr. Kruyff was well-known to the American trade a few years ago but has not been here for some years and is now on a short trip merely for recreation, visiting New York, Chicago, Philadelphia and Washington. Mr. Kruyff, who is president of the Association of Dutch Bulb Exporters and generally well informed as to the bulb situation, says the bulb supply is pretty well sold out for this season in Holland. The flowering quality of the smaller bulbs available this season, he claims, will be found quite satisfactory. The white spireas are not so good as in former years but Queen Alexandria (pink) will be found very good on account of the cold summer experienced in the growing localities.

BALTIMORE, Md.—The drought has seriously affected the sale of grass seed. Some fields that have been sown have been failures and at this writing and under present conditions the farmers will not sow. At the store of J. Bolgiano & Son it was recently stated that the drought only had prevented them from doubling their sales of last year.—A new seed store is about to open at 32 Light street. The firm will be known as the Myer, Stisser Co. John F. Myer has for some time been in charge of the seed department at the store of the S. L. Lamberd Co., 111-15 Light street, and is an experienced and

active man. While Mr. Stisser is not so well known in the seed trade it is understood that he is a good business man.

Canadian Peas and Beans.

The Canadian Crop Bulletin for August, just received, says of peas: "The pea crop has been rather disappointing, although in some cases remarkably good yields have been reported. The crop did not get a good start in the spring, owing to too much rain, and the dry, hot weather at blossoming prevented a satisfactory podding. While the weevil was but little complained of, the presence of a green aphid was reported in most parts of the Province, which appears to have checked the vigor of the growing vines, more especially those later sown, and as a result the straw is not so long or leafy as usual. Harvesting began early in August, but when correspondents wrote about the middle of the month considerable of the pea crop remained to be pulled."

The report on beans is as follows: "Beans were only in blossom, or just podding, when most of our correspondents wrote, and at that time prospects were considered fair; but later reports were to the effect that while the plants were making a large spread they were not podding very well. Rainy weather at a critical time was given as the chief cause of injury to the crop. Prospective harvesting was variously placed at September 1 to 15.

Seed Testing Bureau.

Washington, D. C.—It should be interesting news to the trade that as outlined above a bureau has been established here for the purpose of thoroughly testing all kinds of seed. F. W. Bolgiano, the well known seedsman, is president and an active promoter of the enterprise. Miss Mary Stott, late of the Bureau of Plant Industry, Department of Agriculture, will be in charge of the work. She comes to this new field highly recommended by Edward Brown, in whose department she has been long employed. It is generally acknowledged that the creation of this bureau is a movement that meets the demands of these times. Much trouble and inconvenience has recently been caused by the laws enacted in several states relating to seeds. Seed bought in Europe is frequently misrepresented as being free from dodder. The purity and quality of such seed can be quickly verified if it is pure by submitting samples to this bureau which will also be prepared to give expert testimony in case of lawsuits over the disputed quality of seeds. The bureau will be incorporated. The minimum fee for testing is 15 cents; maximum, 50 cents, which includes analysis. For the present the offices of the bureau are at 1009 B street, N. W., Washington, D. C.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

Fall Bulb Catalogue

If you have not received
a copy send for it.

James Vick's Sons
Rochester, New York

Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs an
Nursery Stock.

"BUDS"

CARL R. GLOECKNER, President,
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

Lilium Longiflorum	Multiflorum, 7-9.....	\$50 00
"	Giganteum, 7-9.....	65 00
"	Formosum, 7-9.....	65 00
F. O. B. New York.		

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**
and Wisconsin.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale **Bristol, Pa.**
Farm.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910



Stokes' Standard Cyclamen Seed

Stokes' Giant Pure White, Stokes' Giant White Red Eye,
" Giant Crimson, " Giant Papilio or Butterfly,
" Giant Rose, " Rocco, Mixed.

Price of above: Per 100 seeds, 65c; per 1000 seeds, \$5.00.

Paper White Narcissus

Fancy grade, 1,250 to a case.
Per 1000, \$8.25; 5,000 lots, \$8.00.

French Roman Hyacinths

WHITE

12 to 15 ctm., per 1000, \$24.00.

Tulips, Hyacinths, Narcissus

Let me know your wants.

STOKES' SEED STORE, 219 Market Street,
PHILADELPHIA, PA.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most
beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

FOTTLER, FISKE, RAWSON CO.

Cyclamen

New Crop Seed Just Arrived. Our grower in Eng-
land makes a specialty of Cyclamen Seed; this strain
is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN.

Brilliant. Deep crimson, extra.
Excelsior. White claret base.
Grandiflora Alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.

Prince of Wales. Giant light red.
Rosy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful
salmon pink.
Sunray. Pink, claret base.
Finest Mixed. All colors.

The above varieties, 100 seeds, \$1.00; 1000 seeds, \$8.00.

Fottler, Fiske, Rawson Co.,

Faneuil Hall Square, also 26 So. Market St.,
BOSTON, MASS.

SINGLE HYACINTHS

Bedding bulbs, mixed varieties, separate colors, fine
stock, \$14 per 1000 — pink, red, white, purple, blue.

Write or Wire Orders.

Jackson & Perkins Company

Wholesale Only.

NEWARK, NEW YORK.

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Canta-
loupe, Watermelon, Squash and Pumpkin
Seed; Sugar Flint and Field Seed Corns.

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
a copy please send for one. New crop of
seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice President; S. W. Severance, 508 Illi-
sols Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

THE following exhibits were not men-
tioned in last week's issue: Geo. M.
Garland Co., Des Plaines, Ill., Garland
gutters; Jones Seed Co., Grand Rapids,
Mich., seeds; Skinner Irrigation Co.,
Troy, O., irrigation system.

Market Gardeners' Convention.

CONTINUED FROM OUR ISSUE OF OCT. 1.

The convention reassembled Septem-
ber 29 with the attendance increased
to 300, and papers were read as fol-
lows: "Which is to be Preferred, the
Large or Small Package?" by J. W.
Draper, Springfield, Mo.; "Are Present
Transportation Rates Just?" by J. H.
Rice, Ashtabula, O.; "Selling to the
Retailer," by L. B. Pierce, Tallmadge,
O.; "Selling Through the Commission
Man," by R. F. Dilger, Chicago, Ill.
The afternoon was spent in visiting
the greenhouse plants of Grand
Rapids. Automobiles were provided
by the growers and citizens and a
most enjoyable afternoon was spent in
inspecting the several greenhouses of
market gardeners and florists. Notable
was the visit to the houses of Eugene
Davis, which is the home of the Grand
Rapids lettuce, this standard loose leaf
variety was originated by the proprie-
tor some 30 years ago when this
enormous business of growing lettuce
under glass was first begun. In the
evening a banquet was tendered the
members by the several growers of the
city and 350 sat down to an elegant
menu in Press Hall. The tables were
beautifully decorated and at each plate
was a Killarney rose with a card at-
tached, which read "Compliments of
the Grand Rapids Florists." The in-
ner man being satisfied Prof. Wm. R.
Lazenby of Columbus, O., was intro-
duced as toastmaster, and he very
pleasantly introduced the following:
George E. Rowe and Hon. Charles W.
Garfield, of Grand Rapids, Prof. T. C.
Johnson, Norfolk Va., S. W. Severance,
Louisville, Ky., Mrs. F. N. Rowe,
Grand Rapids, Prof. R. L. Watts, State
College, Pa., and Mrs. A. H. Kohler,
Grand Rapids, who interested the
guests with instructive and witty
speeches.

The convention reassembled on the
morning of September 29 and the dis-
cussion of R. F. Dilger's paper con-
cluded. Other papers read were, "Dif-
ferent Methods of Firing Greenhouse
Boilers," by C. D. Le Van, Sanborn,
N. Y.; "Mushroom Culture," by J. S.
Brigham, Bowling Green, O.; "How
Can Early Outdoor Tomatoes Be Made
Profitable" by Prof. W. F. Massey,
Salisbury, Md., and "Marketing Gar-
dening in Colorado," by Prof. Wendell
Paddock, Columbus, O. At the after-
noon session the first business was
the nomination and election of offi-
cers, the committee on nomination re-
ported the following who were duly
elected: Prof. B. L. Watts, State Col-
lege, Pa., president; H. F. Hall, Grand
Rapids, Mich., vice-president; S. W.
Severance, Louisville, Ky., secretary,
and L. Ruetenik, Cleveland, O., treas-
urer. Papers were then read as fol-
lows: "Some Pointers on Greenhouse

Construction," by E. A. Dunbar, Ash-
tabula, O.; "Celery Culture," by R. H.
Garrahan, Kingston, Pa.; "Some Re-
cent Investigations in the Polleniza-
tion of Tomatoes," by Prof. O. I. Gregg,
Michigan Agricultural College; "Detail
Methods of Operating a Massachu-
setts Market Garden," by Prof. H. F.
Thompson, Attleboro, Mass. Boston,
Mass., having been selected as the city
in which to hold the next convention
in 1911. The committee on resolutions
read their report thanking the city
of Grand Rapids and the growers of
the vicinity for the many favors and
courtesies extended the association
during the convention.

The automobile ride was a revelation
to many who enjoyed it, for the ex-
tent of the farming under glass at
Grand Rapids is beyond comprehen-
sion unless seen. More than \$1,000,-
000 is invested in greenhouse property
covering more than 50 acres of ground
and 300 acres more with a valuation
of \$450,000 are cultivated by the own-
ers in the growing of flowers and gar-
den products. There are 60 green-
house plants in and close to the city,
37 of which are devoted exclusively to
growing vegetables. The growers have
organized an association which trans-
ports and disposes of their products
and the members attending the con-
vention were much interested in visit-
ing their office and warehouse and in-
specting their system of packing and
shipping the large consignments of let-
tuce, cucumbers and other vegetables.



Watch for our Trade Mark stamped
on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is
thus easily exposed. Fresh sample
brick, with illustrated book, mailed
postpaid by manufacturers upon re-
ceipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession..	\$0.20	\$1.00
Lettuce, Grand Rapids. Big Boston.		
Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh,
Md.

RELIABLE SEEDS.

	Tr.	Oz.	pkt.
Bellis, double Daisies. Longfellow, pink	\$3.00	30c	
Snowball, white..	3.00	30c	
Carnations, bardy garden, finest			
double mixed	2.00	25c	
Myosotis, alpestris, Victoria compact			
blue	2.50	35c	
Pansies, Special florists' mixture.....	4.00	50c	
Pinks, double dwarf hardy garden mxd..	4.00	50c	
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c	

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap
and effective means of destroying insect pests and
other vermin in various places. This work is the
outcome of practical tests made by the author, to-
gether with the experiences of others, and is one of
the most important books published this season and
is much needed at this time. It will be of particular
interest to

FRUIT GROWERS AND NURSERYMEN
owing to the widespread prevalence of the notorious
San Jose scale. Hydrocyanic acid gas is the only
practical remedy for the destruction of this pest and
is being used more extensively than ever before by
nurserymen and fruit growers. The perfection of
the apparatus for fumigating young orchard trees is
outlined in this work. The methods can be easily
applied in orchards and nurseries for many danger-
ous pests at very small cost. The writer is consid-
ered the best authority on this subject in this country
and has left nothing undone to make this the most
complete work of the kind ever published.

GARDENERS AND FLORISTS
have found that vegetables and flowers cannot be
grown under glass without frequent fumigation for
the destruction of insect pests. Hydrocyanic acid
gas has solved this problem. The methods of pro-
cedure are fully described and every detail is given
for generating and applying the gas.

MILLERS AND GRAIN DEALERS
have been looking forward to the publication of this
work, as hydrocyanic acid gas has been found one of
the most important materials for clearing mills and
warehouses of insects. The subject of carbon bi-
sulphide for fumigating mills and elevators con-
taining grain in storage is also thoroughly consid-
ered. To this trade the work is indispensable and
transportation companies have found it of great
value for the fumigation of cars, ships and other
inclosures infested with vermin.

FARMERS OF THE COUNTRY
have here fully described a simple, easy remedy for
gophers, prairie dogs, squirrels and other animals
in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS
will find it an up-to-date reference work on this sub-
ject. It is complete in every respect and is the only
work of the kind ever published. It is written in a
popular non-technical style, profusely illustrated,
handsomely bound, covering 250 pages, price, post
paid, \$1.00.

AMERICAN FLORIST CO.

324 Dearborn St.

CHICAGO.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give
special prices on any quantity.

German Irls, in 50 named varieties, \$6.00 per 100.

Japan Irls, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.



TYPE OF OUR CYCLAMEN.

VAUGHAN'S Giant-Flowered Cyclamen

Pure White (Mont Blanc) Per 100 seeds, \$0.75
 Dark Crimson Per 1000 seeds, 5.00
 Rosa von Marienthal, "Daybreak" pink } 250 seeds of a color
 Dark Rose at the 1000 rate.
 White, with Crimson Eye.....

Giant-Flowered Cyclamen, extra choice mixed:
 Per 100 seeds \$ 0.50
 250 seeds 1.15
 1000 seeds 4.50
 5000 seeds 20.00

This mixture is made up from the above separate colors.
 New Salmon (Glory of Wandsbek). This is to our knowledge, the best strain in this color, which is very striking and well liked by the public. Per 100 seeds, \$1.35, 250 seeds, \$2.85; 1000 Seeds, \$10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye and Lilac Colored. Each, per 100 seeds, \$1.00; per 1000 seeds, \$9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture.
 25 seeds \$0.25
 100 seeds85
 1000 seeds 8.00

English Grown Giant Cyclamen.

Price, 100 Seeds, \$1.00; 1000 seeds, \$9.00.

Princess May. Pale pink.
 Princess of Wales. Giganteum variety. Pink.
 Mauve Queen. Giganteum variety. Mauve.
 Duke of Connaught. Giganteum variety. Purplish crimson.
 Duke of Fife. Giganteum variety. Dark Rose.
 Salmon Queen. New extra choice color.
 Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
 Picturatum. Giganteum variety. Light rose tinted, with claret base.
 Grandiflora alba. The largest giant white grown.
 Excelsior. Giganteum variety. White, with red base. Extralarge flowers.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

A FEW SPECIALTIES IN BULBS

NARCISSUS.

Emperor and Empress, selected	Per 100	1000
double-nosed bulbs	\$1.75	\$15.00
Paper White Grandiflora, 14 cm., 1000 to the case	1.25	11.00
Bicolor Victoria, selected double-nosed bulbs	1.75	16.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, selected double-nosed bulbs	2.25	19.00
Poeticus Ornatus, selected double-nosed bulbs	1.00	7.50
Princepts, selected double-nosed bulbs	1.25	9.50

Freezias, Bermuda-grown.

Bulbs $\frac{3}{4}$ to 1 inch and up in diameter	.75	6.00
Bermuda Buttercup Oxalis.		
Extra sized bulbs	.75	6.00

Complete list of Fall Bulbs and Ferns sent free on application.

TULIPS.

	Per 100	1000
Keizerskroon	\$1.25	\$10.50
La Reine	1.00	8.90
Rose Gris de Lin	1.00	8.50
Rose Luisante	1.75	14.50
Murillo	1.25	10.00
Couronne d'Or	1.75	14.00
Salvator Rosa	1.75	14.00
Gesneriana Spathulata	1.25	9.50

LILIUM HARRISH.

Selected bulbs. The original true stock.

	Per case	Per 1000
6 to 7 inch, 350 to the case	\$17.50	\$45.00
7 to 9 inch, 200 to the case	18.00	80.00

White Roman Hyacinths.

	Per 100	1000
Bulbs 12 to 15 cm., 2000 to the case	\$2.75	\$25.00
13 to 15 cm. bulbs, 1600 to the case	3.90	28.00

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Calla Bulbs..

Calla Bulbs, fine 1 to 1 1/4-inch diameter \$3.00 per 100; \$25.00 per 1000 Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
 Route 1, Box 54. HOLLAND, MICH.
 Mention the American Florist when writing

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock	\$ 8.00
Empress, Double Von Sion or Princepts	10.00
Emperor	12.00
Stella, Figaro, Cynosure	2.00
Grand Monarque	8.00

The Leedham Bulb Company, Santa Cruz, Calif

TRENTON, N. J.—Carlman Ribsam has purchased a large piece of property, on which he is erecting five large green-houses, and plans are made for eleven more.

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our Fall Bulb and Seed Catalogue, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,

342 W. 14th St., NEW YORK CITY.

PORT HURON, MICH.—C. W. Asman is erecting a large addition to his green-houses.

WALTHAM, MASS.—Matthew F Ruane opened a model flower store at 121 Moody street, September 17, 1910.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

Stocks for Roses.

Few points in the culture of roses have led to more discussion among rosarians than the question of suitable stocks. Unfortunately, a few growers are very dogmatic upon the subject, and almost refuse to mention some stocks, except in terms of abuse. My own experience, says a correspondent of the Gardeners' Magazine, is that all the rose stocks are useful in some way, although I am quite willing to admit that during the last two decades the manetti has gone out of favor. Now, had it not been for this stock, its vigor and the facility of increasing it, we should not have had roses propagated so freely and so cheaply some years back.

Then we have three distinct forms of the briar used as a stock, viz., seedlings, cuttings and standards. The strong-growing polyantha stock is much used upon the Continent still, and this also suits some roses better than other stocks. The De la Greferaie completes the list of those in general use, and the previous remarks apply to this as well.

But it is not so much upon the merits of various stocks that I intend to dwell, having had quite enough of that subject many years back. What we will try to look at will be the better preparation of stocks than was the case until quite recently. Here I do not think we shall be upon such dangerous ground. The subject is seasonable. To take the hedge or standard briars first. It is advisable to procure these before frosts, otherwise they become injured by laying out as procured from the hedges. I have known them lie out for more than a week, being collected as the grubber returned. I do not think any point in the rooting of these is more important than avoidance of frost and drying winds. To plant such stocks in the condition they are received is folly. By all means trim off coarse roots, and cut away any small suckers, as there will never be a better opportunity for this than the present. Do not leave any coarse knobby branches, but cut down until you have a clean stem, whatever the length may be. To commence clean in stem and root is a great feature here. Plant as soon as possible; I have begun in September, and would certainly like them finished by the end of October. Put them six inches deep, and tread firmly. When prepared and planted early most of them begin to callus, and root at once, and this is a great help to them during the trying days of winter and in early spring winds.

Continuing with the briar stock, we next consider the cuttings. The cutting briar is a most useful stock, and suits any rose that needs or can be helped by foster roots. Choose growths a little more than half-ripened, and cut them into lengths of about nine inches. The most important part of preparation follows, and, I may say at once, it applies equally to the manetti and De la Greferaie, so I can dismiss these two now. Cut out the bottom eye or eyes, only leaving two, or three if closely set, at the top of the cutting. Unless this is done there is great trouble with the stock later on. Nor do I find the cutting root usefully without it, because if the bottom eyes are left on the cutting they throw a

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....	\$15.00 per 100
" " Pink.....	9.00 per 100
" " Red.....	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr., CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

sucker at once, the barrel of the cutting often dies, and we have an almost useless stock. When planting stocks made from cuttings, the roots which will probably have sprung from the stem must be removed. The stocks are fit to plant out the winter after the cuttings were set in, but that is a subject for another note in due season. The cuttings may be set in sandy loam, sufficiently deep so that only an inch or so remains above the newly-moved soil, which will sink a little as it settles under rain and atmospheric pressure. Two and a half inches is far enough apart for the cuttings in the row, and fifteen inches from row to row. This allows the hoe to be brought into frequent use during the early part of the year.

40,000 Evergreens

ORDERS TAKEN.

Can ship at convenience of purchaser.

NORWAY SPRUCE

18 to 24 inches...5c each	3 to 4 feet.....10c each
2 to 3 feet.....7c each	4 to 5 feet.....15c each

D. T. MCCARTHY & SONS,
Nurserymen, LOCKPORT, N. Y.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.
Write for List.

GILBERT H. WILD, Sarcxie, Mo.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veltchli**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangeas P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Seedling briars are best purchased the same autumn one proposes to plant them, and may be the size of a wheat straw at their base. Much larger stocks are apt to swell too much as they grow during the budding season. They will soon be as large as an ordinary cedar wood pencil, and be quite ready by the time buds can be procured.

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

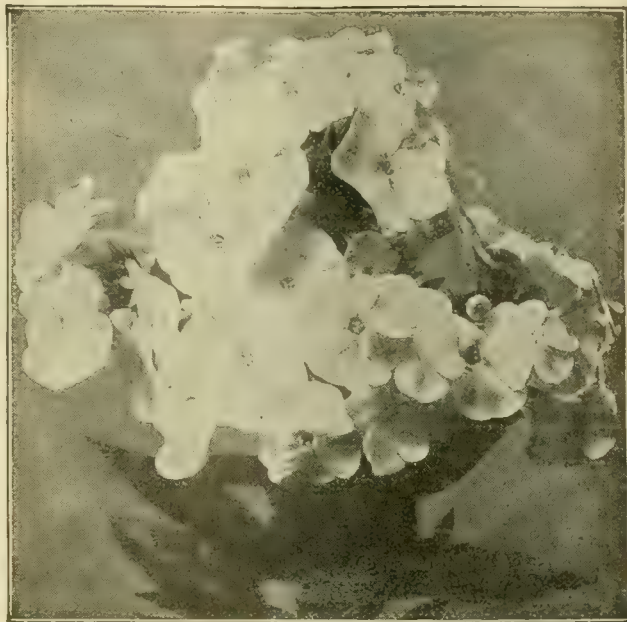
We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Algae Adamson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth red eye.

Brid-smald (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Seiller (Dwarf). Bright reddish violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson carmine centre; very late.

Consul H. Trost (Medium). Pure red with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pale scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium red with old rose shadings and white eye; very effective.

De Miribel (Medium). White suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkontin (Tall). Delicate pale rose mauve with claret-red eye.

George A. Stronielin (Medium). Bright scarlet, with crimson red eye; does no blea h

General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Bentz (Medium). Scarlet, with rose shadings and crimson red eye.

Bermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$45.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM
Hardy Lilies

Tenulfolium, Wallacei, Hanson, Henry, etc.
IRIS AEMPFEI, DAPHNE CNEORUM
and GERMAN IRIS.

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.
Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

THE
Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

Sacrifice Sale

We Want the Room

Heavy bench plants of **Asparagus Plumosus**, **Asparagus Sprengeri**, **Boston Ferns** and **Maiden Hair Ferns**, 15c each. Worth 25c to 35c each.

Per 100

Asparagus Sprengeri, 2½-in. \$3.00
Smilax, 2½-in. 3.00

HELLER BROS. CO.,
New Castle, Ind.

SMILAX

3-in. \$4.00 per 1000.

Sprengeri 2-in., \$25.00
 per 1000.

Poehlmann Bros. Co., Morton Grove, Ill.

FOR SALE—FIELD-GROWN

California Violets

\$45.00 per 1000.

ELI CROSS, Grand Rapids, Mich.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
 Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Toronto.

Business continues to improve daily and is decidedly better than last year, the ideal weather conditions have greatly benefited stock and roses are grading fine, though Beauties are scarce the quality of Richmonds is so good that most of the orders are filled with the latter, Killarneys both pink and white, Maids, Brides, Queen, Kaiserin and a few Jardine are showing an improvement in the cut daily. Carnations are coming in plentiful enough to meet the demand and the stock is fine for the early season, Chrysanthemums are both plentiful and good, all colors including pink, white, red and yellow are coming in and the stores again resemble flower shops with their gay assortment of bloom, valley continues fine and plentiful and orchids, dendrobium phalaenopsis and formosum giganteum, oncidiums and cattleya labiata are all plentiful, violets can again be had in thousand lots.

The business in the new flower section at the market has not come up to expectations, but after we have had a good frost to cut off the outdoor flowers the conditions there will improve.

W. McKenna of Montreal was a visitor stopping off on his return from Chicago. The windy city appealed to him and was an eyeopener to him in regards to the size of the plants and to general good quality of the stock.

The seed stores are busy with bulbs, they have been arriving by the car load and are going out quickly. The Steele Briggs Co. and J. A. Simmers both report heavy sales.

The Horticultural Association held their fall exhibition in Allen Gardens and as no admission fees were charged the public were generous in their attendance and praise.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great **Araucaria** Importer, **Grower** and **Shipper**? These so well favored, everlasting green decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Excelsa Glauca**, are in favor more than ever this year.



This is our 25th anniversary since we began importing Araucarias. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in Araucarias and Azaleas. The trade is well informed that for many years past I go personally to Belgium to protect and elect for my customers the best of **Araucarias**, **Azaleas**, **Palms**, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, **Excelsa Glauca**, 6 in. pots, \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00 \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Mention the American Florist when writing

ORCHIDS

Just Arrived in fine condition: **Oncidium Varicosum** Rogersii, O. Marshallianum, O. Forbesii, **Laelia Purpurata**, L. Cinnabarina, **Cattleya Citrina**, **Odontoglossum Grande**.

CARILLO & BALDWIN, Mamaroneck, N. Y.

SMITH'S Chrysanthemum Manual

4c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

The fall races are again on but the use of flowers is not as prevalent as other years, the Jockey Club adhering to the long mourning season.

H. G. D.

NEWBURGH, N. Y.—The Yeuss Gardens Co. are erecting two new greenhouses, one 28x273 feet, for roses and palms, and one 50x170 feet, for chrysanthemums and bedding stock. The Weatherhead Co. of Jersey City, are the builders.

Kentia Belmoreana, 25 30-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, pale pink, 4-in., 25c; 6-in., 50c.

Our Ferns this year are exceptionally very fine.

Boston, **Scottii**, **Whitmani** and **Scholezi**, 5½ and 6 in., 35c, 40 and 5 c: 7-in., large bushy plants, 75c to \$1.00.

Pteris Wilsonii, in 6-in. pans. nice plants, 25c.

Neph. Todeaoides, New London Fern, 2½-in., 5c; 3 in., 7c.

Special to Close Out: 4-in. **Whitmani** and **Scottii** Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Rubber Plants, 6-in. pots, 35c and 40c.

Asparagus Plumosus, 2½-in. 3c; 3-in., 5c; 4-in., 10c.

Asparagus Sprengeri, 2½-in., 3c.

Sago Palms, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; and 4-in., 12c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Primula Chinensis, 4-in. pots, \$10.00 per 100.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity, 3½-in. pots, strong, \$5.00 per 100.

Hydrangea Otaksa, pot-grown, 6-in., 25c.

Azaleas, good, well-shaped plants, *Deutsche Perle*, *Simon Mardner*, *Niobe*, *Van der Cruyssen*, *De Schryveriana* 75c, \$1.00, \$1.25, \$1.50 and \$2.00.

Cash with order, please.

All plants must travel at purchaser's risk.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant. La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poltevine** Jaulin, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitmani Ferns, 4-in. 25c each. 5-in. 35c.

Boston Ferns, 5-in. 25c each.

Vinca Var., 2-in. \$2.00 per 100.

Roses, *Bride Maids* and *Gates*, *Killarney*, 3-in., \$5.00 per 100.

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

LANSING, MICH.—The Michigan State Horticultural Society has offered \$30 in prizes to senior horticultural students for the best speeches on horticultural subjects, the contest to be held later.

Seasonable Plants

Order Now Before Freezing Weather Sets In.

Asparagus Plumosus Nanus, 2 in.	1000	Each	Dozen	100
2½ in.	\$25 00			\$ 3 00
	40 00			4 50
Araucaria Excelsa Glauca,				
3 in. pots, 10 to 12 in. high, 2 to 3 whorls.....	\$ 75		\$ 8 00	
6 in. pots, 14 to 16 in. high, 3 whorls.....	1 25		14 00	
6 in. pots, 16 to 18 in. high, 4 whorls.....	1 50		17 00	
Araucaria Robusta Compacta,				
6 in. pots, 12 in. high, 3 to 4 whorls.....	1 25		14 00	
6 in. pots, 14 to 16 in. high, 4 whorls.....	2 00		22 00	
7 in. pots, 18 to 20 in. high, 4 to 5 whorls.....	3 00		34 00	
Bay Trees, Standard or Tree Shaped.				
Stem about 45 48 in.; Crown 26 in.	7 50			
" " 46 50 in.; " 28 in.	8 00			
" " 45 48 in.; " 30 in.	10 00			
" " 46 54 in.; " 34 in.	12 00			
" " 46 53 in.; " 40 in.	15 00			
Begonia Gloire de Lorraine, 2½ in.		2 00	15 00	
4 in.		5 00	40 00	
Box Trees, Bush shaped. These do not come in tubs.				
10 to 12 in. high.....	30	3 00	20 00	
12 to 15 in. high.....	35	3 50	25 00	
15 to 18 in. high, light.....	40	4 00	30 00	
15 to 18 in. high, heavy.....	45	4 50	35 00	
18 to 20 in. high.....	75	8 00		
Chrysanthemums, 7 in.	1 50	12 00		
8 in.	2 50	20 00		
Larger plants in 10 and 12 in. Write for prices.				
Crotons, 7 in. 20-26 in. high.....	1 25	12 00		
8 in. 24-30 in. high.....	1 50	15 00		
Cycas, Started.....	\$1 00-3 00			
	Doz.	100	1000	
Cyclamen, 2½ in. per 100, \$4 00; 3 in.	\$ 8 00			
Ferns, Assorted for dishes.....	3 50	\$25 00		
2½ in. (Our selection).....				
Manetti, Dec. and Jan. delivery.....	1 50	12 00		
English.....	1 75	13 50		
Peppers, Christmas, 5 in.	\$2 00	15 00		



ASPARAGUS PLUMOSUS NANUS.

Dracena Indivisa, 4 in.	Each	Doz.
Phoenix Roebeleni, 5 in.	\$2 00	\$12 00
6 in.	1 25	14 00
7 in.	2 00	
Ficus Pandurata, 4 in.	Each	Each
24 in. high.....	\$1 50	36 in. high.....\$2 50
30 in. high.....	2 00	48 in. high.....3 50

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

VIOLETS

Gov. Herrick, Princess of Wales, fine	Per 100	Per 1000
field-grown plants	\$5 00	\$45 00
Lady Campbell.....	4 00	35 00

Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengeri.

2½ in. \$2.00 per 100; 300 for \$5.00

Celery and Cabbage Plants.

Best varieties .. \$1.00 per 100; \$7.50 for 10,000

Farsley, double curled .. \$1.50 per 1000

J. G. SCHMIDT, Bristol, Pa.

Field-Grown Carnations

White Perfection.....	Per 100	Per 1000
Sarah Hill.....	\$6 00	\$50 00
Pink Lawson.....	6 00	50 00
Variegated Lawson.....	5 00	40 00
Lawson-Enchantress.....	5 00	40 00
W. H. Taft.....	5 00	40 00
Enchantress.....	5 00	45 00
Victory, small.....	4 00	35 00

SCHEIDEN & SCHOOS,

Asbury and Warren Sts., EVANSTON, ILL.

CARNATION PLANTS FIELD GROWN

Scarlet Glow.....	\$12.00 per 100
Shasta.....	12 00 per 100
Golden Ray, clear yellow....	12 00 per 100

F. DORNER & SONS CO.
La Fayette, Ind.

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Mention the American Florist when writing

A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½ in. pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRAS,
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

First Aid to Rose Buyers

Fall Price List—200 sorts.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the Best.

S. A. Nutt. \$11.50 per 1000.

Poitevine. 14.00 per 1000.

Ricard. 14.00 Per 1000.

Grown right. Rooted right.

Packed right. Named right.

All sold until November. Better get your order placed for November delivery.

Coleus. Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice,

A. M. HERR,
LANCASTER, PA.

Mention the American Florist when writing

Always mention The American Florist when you order stock. :::

Wilson's Quality Stock

Per 100
Feverfew, double white, rooted cuttings. \$1.50
Maruicrite, Queen Alexandra and Etoile d'Or strong rooted cuttings. 2.00
Salvia, drooping spike rooted cuttings. .50
Coleus, in all varieties rooted cuttings. .50
Variegated Stevia and Variegated Sage, R.C. .75
Hydrangea Otaksa, elegant bushy plants, from 3 to 8 flowering stems. .8c per stem
Ficus elastica, perfect plants 24-30 in. .5c each
Fern Superbissima, elegant 4-in. 20c; 5-in. .40c
Genista Racemosa, 2½ in., strong. .4c
Roses, Pink Killarney, extra fine, 3 in. .5c
2½ in. .3c

J. S. WILSON FLORAL CO.
Box 663, Des Moines, Iowa.
Mention the American Florist when writing

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of Fine Kentias
Send for Price List.
Mention the American Florist when writing

WE still have about 5 000 or 6,000 Rose Plants which we will close out very cheap. We also have about 1000 Carnations, as per our adv. of last week. We have the largest stock of Ferns in Central Illinois in Whimani and Boston. Let us hear from you in regard to them. Celestial Peppers and Jerusalem Cherries, in 3-inch, ready for 4 inch, a great bargain. Get what you want now. We also have a fine line of Primroses, Obconica and Chinese, etc. Let us hear from you.
GEO. A. KUHLE, Wholesale Grower. Pekin, Ill.
Mention the American Florist when writing

D. U. AUGSPURGER & SONS CO.
Wholesale Florists
Peoria, Ill.

See our advertisement page 504, Oct. 1 issue.
Mention the American Florist when writing

San Francisco.
BUSINESS IMPROVING.
The condition of the flower business this week, both wholesale and retail, shows a marked improvement over that of the same period last month. The stock, while scarce, is fairly good and the growers find little or no trouble in disposing of their output at their own prices. Chrysanthemums and violets are now beginning to show themselves in the market in great abundance; the former flowers bringing good prices to the growers. Roses are still a scarce commodity, and the season for the rubber lilies is rapidly approaching the end.

NOTES.
S. R. Lundy, western representative of W. A. Manda Co., South Orange, N. J., recently returned from a long trip through the east and Canada, and reports business in that territory good. John H. Sievers, one of the oldest, most respected and widely known florists and growers in San Francisco, died at his home in this city, September 8, 1910. The illness of Mr. Sievers was quite brief, and his death was a great shock to his relatives and many friends.
J. A. Carbone, a well known nurseryman in Berkeley, left last Wednesday for an extended business trip through the east. While away he will visit all the principal growers in the eastern cities.
T. Wright, one of the prominent florists of Los Angeles, was a visitor in our city last week. He is taking a much needed vacation.

Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering, Sept. 20.....	\$2 60	\$0 50	Chinese, 2½-in. pot.....	\$12 00	\$1 50
Asp. Sprenger, 2½-in. pots.....		2 00	Obc. Alba and Rosea.....		2 00
Viola Var., from field.....		4 00	Obc. Gigantea.....		3 00
			Cineraria.....		2 00

—Cash.
JOS. H. CUNNINGHAM, Delaware, O

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25,000 at \$10.00 per 1000 — S. A. Nutt and A. Ricard.
Send for descriptive list. B. E. WADSWORTH, Box 224, Danville, Ill.

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CLEMATIS paniculata, strong plants, \$10.00 per 100.
ASPARAGUS Sprenger, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$.50 per 100; 3-in. pots, \$.75 per 100.
BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.
STEVIA dwarf, 4½-in. pots, \$1.00 per doz.
CROTONS, from 4 in. pots, \$2.00 per doz.; 3 in. pots, \$1.50 per doz.
AMPELOPSIS Veitchii, 4 in. pots, \$10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.
RUBBER PLANTS, 5-in. pots, 25c each; 6-in. pots, 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.
BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.
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11th and Westmoreland Sts. Philadelphia, Pa.

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Elegantissima, for 3-inch, 6c; 4-inch, 10c; 5-inch 12½c.
Whitmani, for 3-, 4- and 5-inch, 8c, 12c and 15c.
Amerpohli, 3-inch. 8c; 4-inch, 12c.
Scottii, for 3-inch. 6c; 4-inch, 10c
Runners, Boston Elegantissima, \$1.00 per 100. Whitmani, Amerpohli, \$1.50 per 100.
Snapdragon, Giant Yellow and Red, field-grown, \$1.00 per 100.
Rubbers, 4-in. 20c. 5-in., 30c.
Asparagus Sprenger, 2-in. . 2c.
Double Alyssum, 2-in. \$2.00 per 100.
Giant Pansies, Rugnot, Odier and Cassier mixture, \$2.50 per 1000.
Primula, Official's Hybrids; Hardy sweet scented cowslip, 2-in., \$3.00 per 100.

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Asparagus Elongatus, 1-yr. old clumps. 5.00
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American Florist Co.

324 Dearborn St., Chicago.

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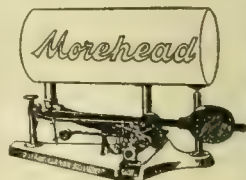
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Ampelopsis Veitchii, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucaria excelsa glauca and A. robusta compacta. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c each. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$5 per 100. Asparagus Sprengerii, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Sprengerii, 2½-in., 2c; 3-in., 4c; fine 4-in. stock ready for benching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. cionatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengerii, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2-in., \$3 per 100; \$25 per 1,000; 2½-in., \$4.50 per 100; \$40 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengerii, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengerii, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengerii, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengerii, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Sprengerii, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengerii, 2-in., extra-strong, 2c; \$17.50 per 1,000. J. L. Schiller, Toledo, O.

Asparagus Sprengerii, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengerii, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Azaleas. Jacobs Smits, Naarden, Holland.

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Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$3.50 per doz., \$25 per 100; 4-in., \$5 per doz., \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, and Lonsdale, 4-in., 25c; 6-in., 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

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Box trees. For sizes and prizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs. Paper White Grandi, \$8 per 1,000. Empress, dbl. Von Sion or Princess, \$10. Emperor, \$12. Stella Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Callas, 1 to 1¼-in., \$3 per 100; \$25 per 1,000. Berrydale Exp. Gardens, Holland, Mich.

Bulbs, Japanese lilies, Formosum, Giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Lilium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conrad Co., West Grove, Pa.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Bulbs, of all kinds. Henry F. Mitchell Co., Philadelphia.

Bulbs, of all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, all kinds. Stokes' Seed Store, 219 Market St., Philadelphia.

Bulbs. E. S. Miller, Wading River, N. Y.

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	100	1,000
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Winona	6.00	50.00
Aristocrat	4.00	35.00
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Medium Sized Plants.

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White Perfection	\$6.00	\$60.00
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Winsor	5.00	45.00

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Strong, clean, field-grown carnation plants, Boston Market, \$30 per 1,000; \$3.50 per 100; 300 Nelson, \$3 per 100; 150 Victory, \$3 per 100. Cash with order. Geo. Muno, 2512 Touhy Ave., Chicago.

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Carnations, Scarlet Glow, Shasta, Sangamo, Mary Tolman, Conquest, \$12 per 100; 2nd size, \$8 per 100. Vaughan's Greenhouses, Western Springs, Ill.

Carnation Sangamo, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 35-37 Randolph St., Chicago.

A few thousand strong carnation plants in leading varieties, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Field-grown carnations. Rose Pink Enchantress, \$6 per 100; \$55 per 1,000. Cash with order. Harry Heintz, West Toledo, O.

Carnation. Christmas Cheer, \$15 per 100; \$125 per 1,000. Henry Eichholz, Waynesboro, Pa.

Carnations. F. Dörner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, 7-in., \$1.50 each; \$12 per doz.; 8-in., \$2.50 each; \$20 per doz. Larger plants, 10 and 12-inch. Vaughan's Seed Store, Chicago and New York.

CHRYSANTEMUMS, hardy, fine pink, yellow, red, field-grown, \$3.50 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Chrysanthemum, Jennie Nonin, fine 2½-in., \$2 per 100; \$15 per 1,000. Gony Bros., 712 Church St., Nashville, Tenn.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Cinerarias, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

COLEUSES.

Coleus, assorted varieties including Vershaefeltii, 2½-in., 2c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, all vars., R. C. 50c per 100. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CROTONS.

Crotons, 7-in., \$1.50 each; \$15 per doz.; 8-in., \$2 each; \$18 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 4-in., \$2 per doz.; 8-in., \$1.50. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

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Cyclamen Peralcum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, 2½-in., \$4 per 100; 3-in., \$8. Vaughan's Seed Store, Chicago and New York.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias. Pape & Bergman, Quedlinburg, Germany.

DAISIES.

Marguerite, Queen Alexandra, Etoile d'Or, R. C., \$2 per 100. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena Massangeana and Lindenli, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns from benches. Boston. Elegantisima, 3-in., 60c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scottil, 3-in., 6c; 4-in., 10c. Runners, Boston. Elegantisima, Scottil, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantisima, 3-in., 10c; 2½-in., 5c. Ferns from bench, Boston. Pierson, Whitman and Elegantisima, ready for 6 to 10-in. pots, 40c to \$1 each. Mosbæk Greenhouse Co., Onarga, Ill.

FERNS, from bench, ready for 4-in. pots, Boston. Elegantisima, Pierson, Barrowst, extra nice stock, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz., 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, assorted for dishes, 2½-in., (our selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrasil, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Fern Superbissima, 4-in., 20c; 5-in., 40c. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus elastica, 50c each, 24-30 ins. J. S. Wilson Floral Co., Des Moines, Ia.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, 10,000 Beaute Poitevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 2½-in., standard varieties, \$3 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, R. C., \$10 per 1,000; Nutt and Ricard, B. E. Wadsworth, Box 224, Dansville, Ill.

Geraniums, standard sorts, \$2 per 100; \$18 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, leading varieties. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; Bronze and green galax, \$1 per 1,000. Leucothea sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothea Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 25th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothea and ferns. Swan & Ceggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

IRIS GERMANICA Honorabilis, Atropurpurea. Madam Cheral, Queen of Gypsies, Spectabilis, Virgils, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotrope, 2½-in., \$2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 3 to 8 stems, 8c per stem. J. S. Wilson Floral Co., Box 669, Des Moines, Ia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy, field-grown plants, \$8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Finest grades of pipes grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pipes. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pipes. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pipes from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MANETTI.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Norway Spruce, 18 to 24 ins., 5c each; 2 to 3 ft., 7c; 3 to 4 ft., 10c; 4 to 5 ft., 15c. D. T. McCarthy & Sons, Lockport, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carlillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

PANSIES.

Pansies, giants, Masterpiece, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.80 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Phoenix Roebeleni, 4-in., 75c each; \$8 per doz.; 5-in., \$1.25 each; \$14 per doz.; 6-in., \$2 each; 7-in., \$2.50 each. Vaughan's Seed Store, Chicago and New York.

PALMS. Kentia Bel., 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Kentias. McHutchison & Co., 17 Murray St., New York.

Palms. Kentias. Joseph Heacock Co., Wyn-cote, Pa.

Cycas, \$1 to \$3 each. Vaughan's Seed Store, Chicago and New York.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies. McHutchison & Co., 17 Murray St., New York.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primula Chinensis: Purpurea flm. Alba Magnifica, Kermesina Splendens, Pyrope and Cœrulea. We import our own seed direct from the best European specialists. Strong 2-in. plants that need shifting, \$2 per 100; \$20 per 1,000. Cash. N. E. Beck, Massillon, O.

Primula Obconica, Ronderfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese, 2½-in., \$12 per 1,000; \$1.50 per 100. Obc. alba and rosea, \$2 per 100. Obc. gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacli. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Velchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses, Pink Killarney, 3-in., 5c; 2½-in., 3c. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. White Killarney, \$50 per 1,000. Pink Killarney, \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. McHutchison & Co., 17 Murray St., New York.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

SEEDS.

Seeds, cyclamen: Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$3. Fottler, Fiske, Rawson Co., Fanenil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Vaughan's giant-flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumbers, cantelope, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seed, Lobelia cardinalis, \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seed, crimson clover. J. Solgiano & Son, Baltimore, Md.

Seeds, Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds. Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenia. Waldo Ronnert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Bound-brook, N. J.

SMILAX.

Smilax, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Smilax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS.

Strawberry plants. Strong young Senator Dunlaps, 55c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Grand Rapids lettuce plants, 20c per 100 by mail; \$1 per 1,000 by express. S. J. McMichael, 142 Larkins St., Findlay, O.

VINCAS.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

2,000 Gov. Herrick Violets, strong plants, 2-in. pots, \$2 per 100; \$15 per 1,000. Shore & Haigh, Ewart, Mich.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$4 per 100; \$45 per 1,000. Lady Campbell, \$5 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, California, \$45 per 1,000. Eli Cross, Grand Rapids, Mich.

WHOLESALE CUT FLOWERS.**Commission Dealers.**

Amling Co., E. C., 32-36 Randolph St., Chicago. Deamud Co., J. B., 51 Wabash Ave., Chicago. Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Rasting Co., W. F., Buffalo, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Kessler Bros., 450 6th Ave., New York.
 Kuehn, C. A., 1122 Pine St., St. Louis.
 Kyle & Foerster, 51 Wabash Ave., Chicago.
 Langjahr, A. H., 55 W. 28th St., New York.
 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 28th St., New York.
 Moore, Hentz & Nash, 55 W. 26th St., New York.
 Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
 Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Nissen Co., The Leo, 1209 Arch St., Philadelphia.
 Pittsburg Cut Flower Co., 121 7th St., Pittsburg.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L., Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Weiland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Young & Co., A. L., 54 W. 28th St., New York.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

GROWERS.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Egryes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids—Grand Rapids Floral Co.,
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky., F. Walker & Co., 634 4th Ave.

MILWAUKEE—O. C. POLLWORTH CO.

Montreal—McKenna.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Hehl & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblin & Co., Utica, N. Y.
 Boilers. Lord & Burnham Co., Irvington, N. Y.
 Boilers. Hitchings & Co., Elizabeth, N. J.
 Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
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 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenerville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.
 Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.
 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
 Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.
 Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.
 Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

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Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

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The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharf Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

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Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDoell, Mexico City, Mex.

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MATS. Straw mats for covering hot beds and cold frames. Cheapest and most practical on the market. Send for circular. J. P. Watts, Keermoor, Pa.

MISCELLANEOUS.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

New Imported Florists' Baskets. The Radelin Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

New imported florists' baskets. The Radelin Basket Co., 713 Milwaukee Ave., Chicago.

The U. S. rocking grate bar. U. S. Rocking Grate Bar Co., 77 Jackson Boul., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower and design boxes, all sizes. C. O. Pollworth Co., Milwaukee, Wis.

Richmond carnation supports. Eagle Machine Works, Richmond, Ind.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

Ideal coin transmitter. Hemphill-Stehlin Co., Indianapolis, Ind.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots. Before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Standard, all sizes. A. F. Kohr, 2934-35 N. Leavitt St., Chicago.

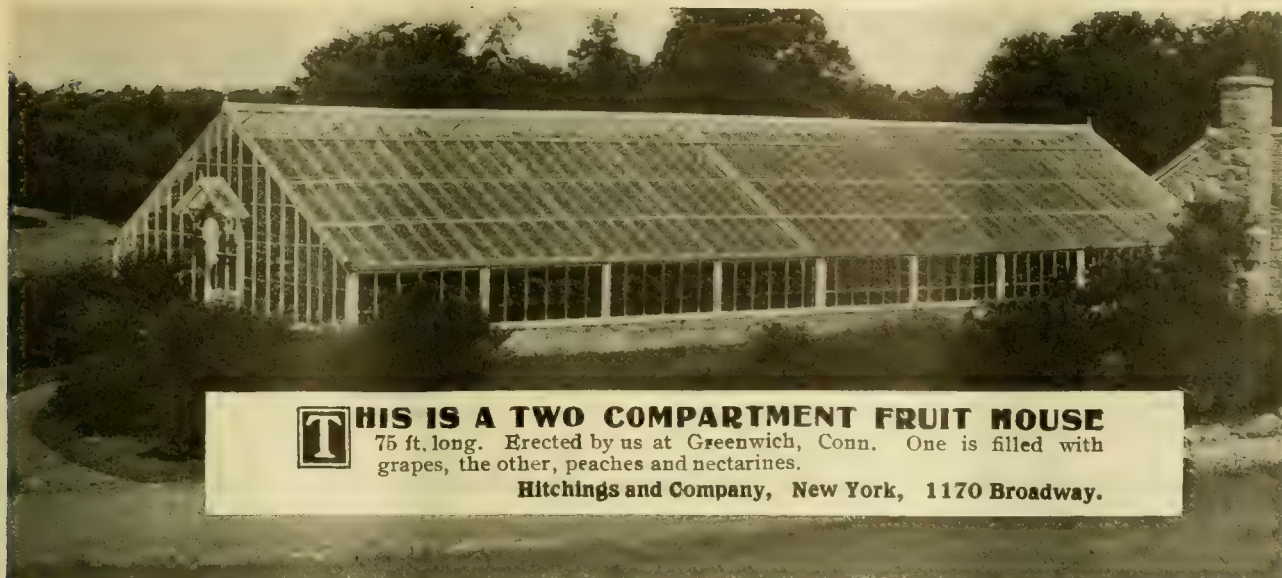
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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THIS IS A TWO COMPARTMENT FRUIT HOUSE
75 ft. long. Erected by us at Greenwich, Conn. One is filled with grapes, the other, peaches and nectarines.
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The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

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Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Wichita, Kans.

The usual autumn conditions seem to prevail in the trade here. Business for September was up to the mark for that month. Funeral work continues to furnish the best half of the demand, although weddings and other social affairs are more in evidence, but so far the call along these lines has been very moderate indeed. Quality of stock available to the retailer has shown considerable improvement. Carnations are again on the market and the good judgment of those who planted at the break in the "dry spell" is confirmed by the cutting of some very fair stock with reasonable length of stem considering the time of year. Although at time of planting some of the stock was slightly undersize it was at a complete standstill and when it was rushed into the houses at the beginning of a week of cloudy, damp weather preceded by a rain, it took a good hold and kept right on growing without the necessity of a further check. Chrysanthemums are also in evidence, although the locally grown stock is not yet in supply in any quantity.

NOTES.

C. S. Ford, representing A. Herrmann of New York, was a caller recently, as was also Mr. Reyburn, representing Vaughan's Seed Store. Both gentlemen report good business and were well stocked with optimism along with their other necessities in the florist's line.

The Hersey greenhouses have been discontinued. The hail storm of last spring cleaned out the glass and the owners have since sold the rest of the material to a local market gardener, who has removed it to a new location.

K I N G

Means quality as to design, material or workmanship in
GREENHOUSE CONSTRUCTION

Our semi-iron houses meet every strain a greenhouse is subject to; and our iron frame houses are the best yet produced.

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Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

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Louisiana Red Cypress

—PLANS AND ESTIMATES FREE.—

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings. Glass,
Ventilating Machinery, Hotbed Sash, Pecky Cypress.

The Foley Manufacturing Co., Western Ave. and 26th St.,
CHICAGO.

Norval Kline recently with John Stamm of Hutchinson, Kans., has returned to Wichita. His brother, Elwood Kline, has also left Hutchinson and taken a position at Dayton, Ohio. Miss Minnie Rose has returned from

a summer vacation spent at Los Angeles and neighboring points.

W. H. Culp & Co. are cutting fine quality of Liliun Giganteum from cold storage bulbs stored in one of the local cold storage plants. W. I. CHITA.

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Without Fail.

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Samples and quotations on request.

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Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Terre Haute, Ind.

Business has been very good for the past two weeks and most everyone who was away during the summer has returned to the city. This has been very favorably noticed in the revival of social and other functions. There has been a great deal of funeral work. This, in addition to the weddings and parties, makes the volume of business very satisfactory. The weather here has been delightful for the past few weeks. The days are warm and the nights cool, so that it has been necessary to have a little fire nights.

NOTES.

L. H. Mahan takes his glass off during the summer to let the sun and air get to the soil, which is not a bad idea. He grows lettuce in the winter and asters and melons in the summer after the glass has been taken off.

The Terre Haute Rose and Carnation Co. are building a new house 30x150 feet for carnations and pot stuff. No finer roses can be seen anywhere, especially their Killarney.

Otto Heint, of West Terre Haute, has rebuilt part of his houses and put in concrete beds in others. He has a coal mine just across the street; coal less than \$1.00 per ton.

John G. Heint and son have re-decorated their store and made some minor changes. They now have one of the finest stores in the state.

Fred Wonker, at Highland Lawn, is about ready for winter. His cemetery business has been very good and his Boston ferns are very fine.

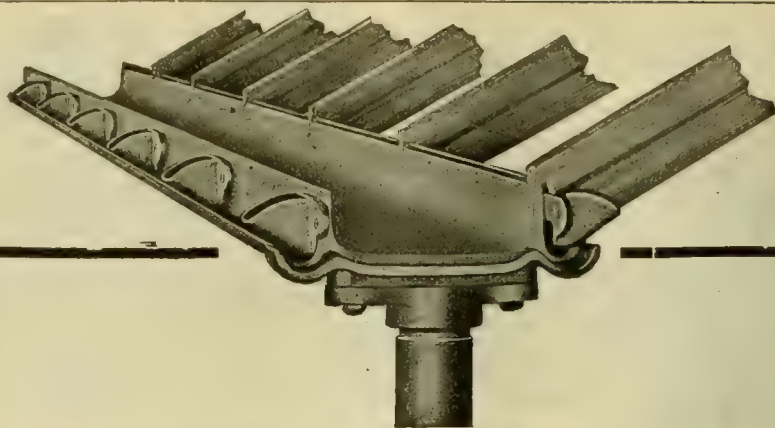
Cowan Bros. are putting in cement benches in part of their houses. Their carnations are doing very nice and promise a good crop.

Miss Mayme Creeden of N. B. & C. E. Stover's, has just returned from a two week's pleasure trip to Detroit, Mich.

Henry Graham, on South Seventeenth street, has one of the finest looking and up-to-date places in the city.

Visitors: Mr. Dysinger, of the Ionia Pottery Co., Ionia, Mich. B. S.

ZANESVILLE, O.—The florists of this city, accompanied by their friends, enjoyed a picnic at Moxahala Park, September 22. A special car to and from the park and a supper in the evening were particular features.



Your Kind of Gutter

Your kind, because you are the sort of man who wants a gutter that will stay a gutter for generations to come. One that is cast straight and made of tough iron that stands the strain with-

out cracking. No more thin, brittle gutters for you! Neither do you want one that the outlets are down inside the posts, rusting them out so they will give away some day



One hand points to the outlet which does not empty down the post to rust it out; the other points to the flange against which the partitions, when wanted can be screwed.

when you are least expecting it. Neither do you want a wrought iron channel gutter with its narrow side, which gutter everybody knows rusts out quickly.

Our 1908 New Model Cast Iron Gutter with drip gutters and sash bar clasps attached, is the gutter. Made right. Priced right. Get the price.

Lord & Burnham Co.,

IRVINGTON, N. Y.

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There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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Circulars free.

THE ADVANCE CO.,
RICHMOND, IND.



GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET LONGER.
THE J. T. Stearns Lumber Co.,
NEWBURYPORT, BOSTON, MASS.

SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Holds Glass Firmly
See the Point **PEERLESS**
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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DEER,
114 Chestnut St., Phila., Pa.

Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00.
VAUGHAN'S SEED STORE,
Chicago or New York

New Bedford, Mass.

The annual fall exhibition of the Horticultural Society was held September 15-17, 1910, in Odd Fellows' hall, and the exhibits surpassed in excellence any previous show held by this society. The entries were so large and numerous that the committee had difficulty in granting the exhibitors the necessary room. Dahlias were the prominent feature and very fine blooms were shown by Richard Parkinson, W. D. Hathaway, J. P. Bodge and A. J. Fish. Displays of decorative plants were made by W. F. Turner and Peter Murray. The judges were Arthur H. Fewkes of Newton Highlands and Elliot H. Wefer of this city.

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Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

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Iron Bench
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

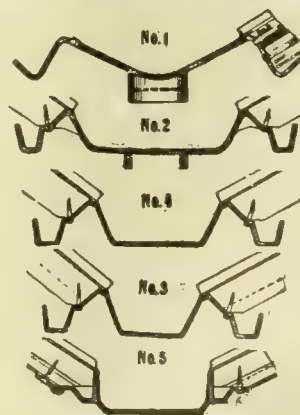
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Lock the door before the horse is stolen,
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Hail Insurance, address

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Gives results. Three styles of benches, including
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Write for descriptive circular and delivered
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Tile Sides

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Albany, N. Y.

Preparations for the second annual flower show to be held under the direction of the Albany Florists' club and the co-operation of the military authorities in the state armory, November 10, 11 and 12, are going forward enthusiastically. At the last meeting of the committee in charge it was reported that Governor White would formally declare the show open. The committee decided to make some changes in the rules governing entries and those concerned will be notified. It was decided to compile a supplemental prize list to provide for first and second prizes for best vases of 50 each, Enchantress, Winsor, Pink Delight, White Perfection, and White Enchantress carnations, also to award the cup donated by John Luther of this city to the collection of 100 carnations, any color, any variety, best arranged for effect. A lengthy discussion on vases suitable for the show was held and Chairman Goldring placed the matter in the hands of a special committee composed of E. P. Tracey, Fred A. Danker, and Robert Davidson, to investigate and report at the next meeting. A wedding bower will be a feature of the show this year and it will be built by the joint labor of the retailers who will also provide the material. Plants for the exhibition are expected from the greenhouses attached to the executive mansion and from the conservatories of the city park system. These will be loaned by the proper authorities. Regular meetings of the committee are being held to further the work of the show.

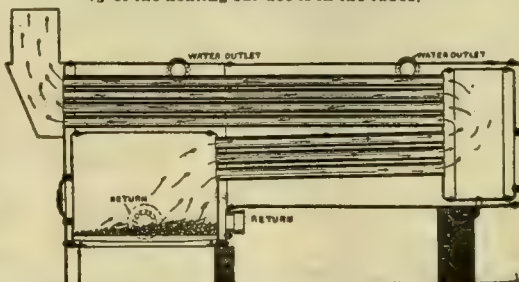
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After using
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you will say
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Nothing but
"Superior"
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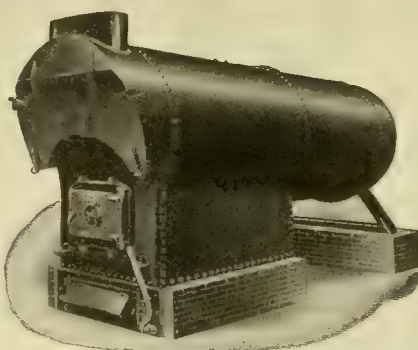
This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

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Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

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Florists' Refrigerators

Write us for catalog and prices, stating
size you require, and for what kind of cut
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BOILERS, PIPE, FITTINGS, GLASS,
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Can sweep up and down on glass and cannot move a pane; can repair one or more panes in any part of sash without moving other panes; two or three half panes can be used as well as whole one.

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is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

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The Richmond Carnation Support

Beats all others in simplicity of construction, ease of adjustment, quick assembling, and is the only one that can be quickly and easily loosened when stuck with acids.

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of every species*

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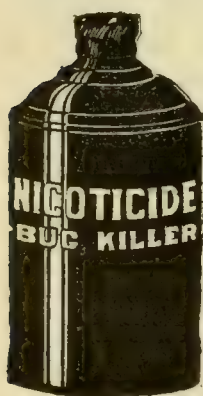
Aphine may appear more expensive than some other remedies, but it is proving itself to be the cheapest.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, Brown and White Scale.

\$2.50 per gallon; \$1.00 per quart. Get it from your seedsman, or write

Aphine Manufacturing Co.
MADISON, N. J.

Pacific Coast Distributing Agents:
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Henry Meyer has torn down and rebuilt his greenhouses this summer.

L. H. Reams has enlarged and improved his greenhouse plant.



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Non-poisonous and harmless
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Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
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Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards,

Chicago

Mention the American Florist when writing

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

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Vol. XXXV.

CHICAGO AND NEW YORK, OCTOBER 15, 1910.

No. 1167

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass., March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburgh, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

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Next annual meeting and exhibition at Boston, March 1911. WM. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President; BENJAMIN HAMMOND, Fishkill, on-Hudson, N. Y., Secretary.

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Value of the Experiment Stations to Ornamental Horticulture

A Paper by W. N. RUDD, Morgan Park, Ill., Read Before The Society of American Florists, Rochester, N. Y., August, 1910.

Florists Inappreciative.

We would nearly all of us receive with scornful disbelief a statement that the farmers were our superiors in enterprise and in "business horse sense"; and yet such is the fact in certain directions. The farmer early realized the enormous possibilities for good to him in the experiment stations and he also realized that here was a chance to get back in direct benefits some of the money he was paying out in taxes. He realized this, acted on it, and developed a gold mine. The experiment stations have revolutionized all agricultural and horticultural operations in the past few years, save and except the ornamental branches, whose workers have shown almost no interest, and have largely refused to receive help where offered. It is human to work along the lines of least resistance. The farmer received gladly what was offered and clamored for more. When funds were scanty he besieged the legislatures and compelled it to continually increase the appropriations for his work.

Can't Fool the Farmer.

You can't sell the farmer gold bricks any more. If you try to sell him oat hulls flavored with molasses to feed his cows, he will talk understandingly about fats and proteids (which you and I know nothing about) he will ask for a guaranteed analysis, and will know what it means when he gets it. You can't fool him any more. He has been educated by the experiment stations and whenever in doubt, consults them—his best friends and counsellors. He knows about nitrogen and potash and phosphorus; which he needs, and how much he should get for his dollar. By his support, the stations have accomplished the seemingly impossible, and compelled the meat trust to be fairly honest in selling its fertilizers. The stations through the printed matter they are

sending free to all who will receive it, through the farmers' institutes which meet in all the sections of the state, and by experimental farms favorably located, are telling the farmer what crops to grow and how to grow them; what fertilizers and feeding stuffs to use and how to use them; how to take care of his pigs, his chickens, and his family; how to build his barns and his fences; how to breed his live stock; in fact everything relating to his business. He sends his sons to the agricultural college and even goes himself, for the short course everywhere given now.

How—As to the Florist.

What do we get out of this proposition? Nothing. We help pay the bills and the farmers get the benefits. Just as long as we don't squeal and get our feet in the trough they will continue to do so. Not that they are to be blamed or that anything should be taken from them—just have the trough lengthened, more feed put in, and one end partitioned off for us. We are just as much in need of help as the farmer ever was—very likely more so. Take the coal pile. We buy more gold bricks along with our coal every year than the farmer ever did.

What member of this society can truly say that he knows anything accurately about coal? Who of us knows what a "British thermal unit" is? The farmer knows all about proteids and fats in his feeding stuffs and we do not know even the name of a unit of measure of heating value. We know only in a vague way that one coal is supposed to be better than another. We do not buy on an actual heating value basis; we do not burn our coal economically and we do not know whether we get what we buy or not. Verily the smoke from our chimneys represents a world of wasted dollars.

Practically every state makes the seller guarantee to the farmer just what he is getting and how much of each, in his fertilizer and feeding stuffs. No state makes the seller guarantee to the florist what he is getting or how much, when he buys coal. No seller is compelled to tell you that his coal is high in sulphur and though of good heating value, not suited to your conditions for that reason. Why should not the coal man guarantee his coal in the same way the feed man does his feed or the fertilizer man his phosphate? One coal is good under certain conditions and very poor under others. Coal is our heaviest expense after labor. In every market there are cheap coals which are very dear to use, and high priced coals which may be the cheapest in the end; but we do not know about it, we only guess. It takes money, and time, and scientific knowledge to work these matters out and put the knowledge obtained in shape to be usable by the busy commercial man.

When the farmer buys a car of phosphate rock, he buys it under a guarantee as to the amount of phosphorus it contains. He pays as his share, \$1.50 for an analysis of that car by a public official. If the percentage of phosphorus varies from the guarantee the bill is changed so as to cover the exact amount of the phosphorus in that particular car. He buys what he wants, and knows to a certainty that he gets what he buys. Is there any reason why we could not be put in position to buy a car of coal with a guarantee as to its heating value and an analysis showing the percentage of sulphur and other deleterious substances?

The whole science of fertilizing has been studied and well worked out for the farmer. This does not help us greatly. Our conditions are different. Our culture is intensive. The farmer's needs are reasonably good results cheap. The difference between nitrate of soda and sulphate of ammonia, between sulphate of potash and muriate are settled for him. All those subtle distinctions between stem and leaf growth, color, size of flower, substance, and date of maturity of the flowers, are nothing to the farmer, and everything to us. A difference of \$10 per ton in fertilizers of the same elements would be vital to the farmer, while a difference of three times that amount would be nothing to us, if balanced by some small difference in effect on leaves, stems or flowers.

We are so ignorant that we say, let chemicals alone, even if you have to start a dairy to obtain the natural manure. This is right and proper so long as we remain in our present state of ignorance regarding the use of chemical manures, but it is so, merely because we lack the "know how" and because it is too expensive for the ordinary man to teach himself. There is every reason to believe that equally good results could be obtained by the exclusive use of chemicals in connection with the proper amount of humus, as by the use of animal manures. It is even quite probable that were this subject worked out to its ultimate end, means would be at hand to attain results which our present wildest dreams would not measure. The Illinois station is working upon this line, but the subject is

so extensive that half the stations in the country could investigate it to good advantage for years to come.

The cross breeding of varieties is a most fascinating work. Breeding for the purpose of obtaining new commercial varieties is to be left to the commercial grower, but there is a vast field for the experiment station worker in studying the many unknown things about the subject which makes failure the rule and success the exception. Insects and fungous diseases, like the poor, we have always with us and new forms are constantly appearing. The demand for work here is never ending.

The testing of the commercial values of varieties has no place in the station work, except so far as making notes of such facts as incidentally become evident in growing and studying plants for more legitimate purposes. This is not to be understood as applying to the importation and testing of new or unknown species, which is valuable and legitimate work. The commercial grower can do his own testing better and quicker than the man who has no commercial knowledge, and can not work under commercial conditions.

The above are only a few of the many ways in which the stations can help us. Almost without exception the station managements are not only willing, but would be glad to take up this work for us. But the funds are rarely available. Our part of the work is to get in touch with them, tell them what our needs are, find out what facilities they must have and then go to the

the farmer appears to have more enterprise and more business sense than we have, and he certainly has more exact knowledge and better technical training for his work.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

A Casket Cross.

The accompanying illustration is of a casket cross six feet in length by 24 inches in width. The flowers used were lily of the valley with a center of heliotrope. The combination, the choice of the customer; while making an attractive design does not show a very good photograph. Violets in place of heliotrope would be an improvement while a few cattleyas in the center would give it a touch of elegance. Although to occupy a limited space, there can be quite a variety in the shape of the cross. Each point or end of the frame may be divided into three parts and the arms and foot and top taper towards the center, or the ends may be square and taper towards the center like a Maltese cross. For an aged person a large cross of this kind made entirely of purple asters presents a very rich appearance. K.

October Flowers in Philadelphia Stores.

Though weather conditions have not been favorable, the retailers of this city are now making splendid exhibits of cut flowers. The different varieties of orchids due at this season are seen in



GEORGE D. NICHOLAS' FLOWER SHOP, NEW YORK.

legislature and get the money. In closing, the writer wishes to urge each member to look at the last year's report of this society (page 171), and see what his state is doing for floriculture, which in most cases he will find to be nothing at all. Illinois has a good start, Maryland is doing well, while Pennsylvania, the second (certainly not worse than the third) state in the union in floriculture is doing nothing. Indiana, with its old and well organized state florists' association, has allowed the floricultural department which was doing such brilliant work a few years ago, to die of starvation, and so it goes on from bad to worse. It is a shame to us, and might so easily be different. Truly,

abundance. In addition to cut stock, there are many fine flowering plants to be seen.

We cannot recall a time when there was such a wealth of good roses. American Beauty, the Killarneys, My Maryland, Kaiserin Augusta Victoria and various new productions are all seen in fine form. The new yellow rose, Melody, grown by Robert Scott & Son, Sharon Hill, Pa., is seen in a number of stores and is attracting much attention on account of its fine qualities. Their double sport of Killarney is also much sought for.

Though the chrysanthemums are beginning to overshadow the carnations, the latter are showing fine points for this season. This is particularly true

of Dorothy Gordon and the different types of Enchantress. While there is a considerable quantity of chrysanthemum stock to be seen, it is needless to add that it is but the forerunner of the great volume that we will see next month. Golden Glow, October Frost, Polly Rose and Glory of the Pacific are now the most noticeable varieties. On account of the great volume of dahlias and cosmos now on the market, chrysanthemums are rather slow. My lady, while sometimes very discriminating, always likes to get a big bunch for a little money. In the case of dahlias and cosmos, she can now be well pleased.

Several of the leading retail stores are now featuring the dahlias in window decorations and in special box sales, and their efforts seem to attract public attention. The pink dahlia, Delice, is a very attractive proposition and many of them are sold. The single Twentieth Centuries also go well. Every retailer tells us that there is little profit in dahlias, but while they are here they must handle them in response to the popular demand. It is the same with cosmos. There cannot be much in it for the retailers in handling it at ten cents for a big bunch, but the size of the bunch meets popular approval.

There are now to be seen in the stores very good blooms of gardenias, which are fast coming to the front as a popular favorite. Originally its usefulness was restricted, but now it enters into every feature of designing and decorating. It is, when well grown, a remarkable flower, and the men who have been instrumental in pushing it forward deserve the hearty approbation of the trade. Lilies and lily of the valley are features in all the leading stores. There is a constant demand for these flowers, and it is hard to see how we could now do without them.

In addition to what has been already outlined, it may be mentioned that many of the retail stores show remarkably fine combinations and attractions.

H. H. Battles has recently been making a great display of dahlias, cosmos and ornamental grasses, much of which is grown on his own place at Newtown Square.

Pennock Brothers have recently featured dahlias of many varieties in their show windows.

J. J. Habermehl's Sons have always attractive windows and a great variety of good stock.

Chas. Henry Fox makes a specialty of attractive boxes of flowers, finely decorated.

George Craig has all the best flowers to supply the demands of the best buyers.

Robert Kift has been offering very attractive boxes of cut flowers.

There are many other good stores in this city where good stock is always found, and we expect eventually to reach all of them and learn what they have that is interesting and up-to-date.

WATERTOWN MASS.—John F. Howell, proprietor of the Summer street conservatory, has built a modern greenhouse.

PITTSBURG, PA.—E. C. Ludwig, the north side florist, has bought a farm in Adams, Butler County, of 80 acres on which he intends to erect a number of greenhouses but will not build extensively for some time.



CASKET CROSS OF LILY OF THE VALLEY.

Fumigating With Hydrocyanic Acid Gas.

The materials necessary for fumigation with hydrocyanic acid gas are potassium cyanide (98 to 99 per cent pure), commercial sulphuric acid, and water; and the utensils required are half-gallon or gallon stone, earthen or granite jars and a supply of ordinary small paper bags. It is impossible to give a set formula prescribing the exact quantity of potassium cyanide to be used, says John J. Davis, assistant to the Illinois state entomologist, in

only for convenience in handling the cyanide when placing it in the jars, but also because they slightly delay the action of the acid upon it, thus giving the fumigator ample time to leave the house before the reaction occurs.

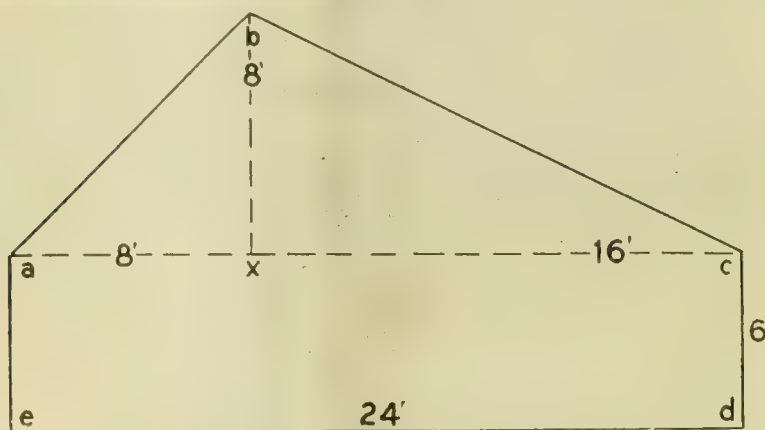
The jars being placed and the cyanide properly weighed and bagged the next step is to close the ventilators in order to prevent all avoidable escape of the gas. The water—four fluid ounces to each avoirdupois ounce of cyanide—is then placed in each jar, the sul-

phuric acid, and kept where it will be inaccessible to persons not acquainted with its poisonous properties. Only a grade which is 98 to 99 per cent pure should be used. Sulphuric acid should not come in contact either with hands or clothes, as it will severely burn the flesh and ruin the clothes. It must not be placed in metal receptacles, as it will soon eat them to pieces.

Always put the water into the jars first, adding the acid later. Never pour water into the undiluted acid. After placing it in the jars the bags of cyanide should be added as soon as possible, for any delay will interfere with the proper reaction of the chemicals, owing to the fact that the acid acts most powerfully when it first unites with the water. The manner of putting the cyanide into the acid is also important. The bags should not be held a foot or more above the jars and dropped in, as the concussion might cause them to be thrown out by the reaction. Each bag must be carefully laid in the jar; but the fumigator must not lean over the jar as he does it, nor remain near it to watch the reaction.

The best shaped jar, when using two ounces of cyanide to a jar, is one four or five inches in diameter and about nine inches high. If more cyanide is to be used in each receptacle a larger jar must be used. The foliage of plants to be fumigated should be perfectly dry; otherwise it will absorb the gas and be burned. Fumigate in the cooler part of the day, and avoid, if possible, a temperature above 60° to 65°, since at a higher one plants are more liable to be injured. After a few fumigations the operator often becomes less attentive to the prescribed directions and precautions. This tendency should be promptly checked, the utmost care and caution being uniformly exercised.

KANSAS CITY, MO.—D. Freudenthal, who has a store in the Bryant building, on October 7, while reaching for a fern basket for a customer, slipped from the ladder upon which he was standing and fell to the floor. His left arm was sprained and he suffered a cut several inches long over his left eye.



PLAN TO COMPUTE CUBIC FEET IN A GREENHOUSE.

charge of greenhouse investigations, in a recent circular, owing to differences in the tightness of greenhouses. In those of average tightness I have used it on roses and cucumbers, without injury to them, at the rate of one ounce to 3,500 cubic feet of space.

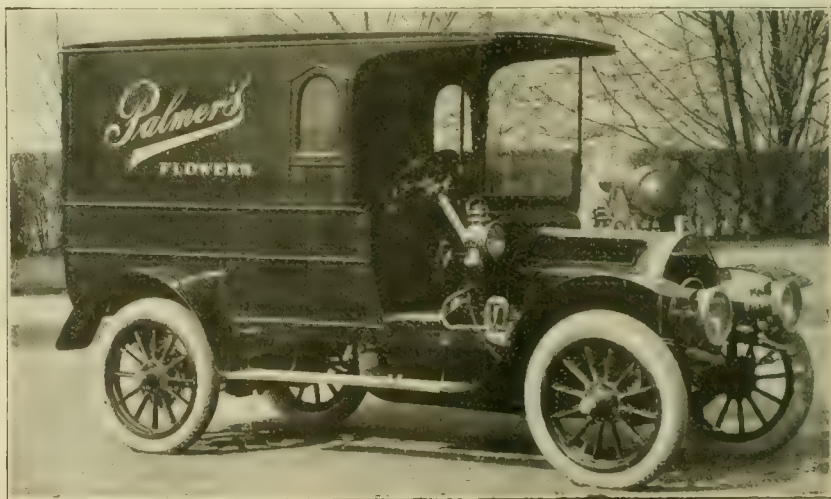
The number of cubic feet in the house should first be accurately calculated. The methods of doing this may be illustrated by a simple computation on the dimensions given in the accompanying figure, the understanding being that the length of the house is 100 feet.

The cubic contents of the rectangular part of the house, *a c d e*, equals $24 \times 6 \times 100 = 14,400$ cubic feet; that of the triangular part, *a b x*, equals $8 \times 8 \times 100 \div 2 = 3,200$ cubic feet; and that of the other triangular part, *b c x*, equals $8 \times 16 \times 100 \div 2 = 6,400$ cubic feet. The cubic contents of this house are, therefore, $14,400 + 3,200 + 6,400 = 24,000$ cubic feet. Assuming the house to be of no more than the average tightness, we may safely use the potassium cyanide at the rate of one ounce to every 3,500 cubic feet of space, and 24,000 divided by 3,500 equals 6.8+, which is the number of ounces required in this illustrative case.

The next procedure is to get the materials in readiness for use, and to place the jars in the house. For every ounce of the potassium cyanide used, two ounces of sulphuric acid and four ounces of water are required. Two ounces of the cyanide is about the right quantity for each half-gallon jar, therefore for a house of the above dimensions four jars should be placed at equal intervals along the aisles, and the 6.8+ ounces of it divided into four equal parts, and each part put into one of the paper bags. These are used not

phuric acid—half as much as of the water—is added, and as soon after as possible the bags of cyanide should be put into the jars and the house vacated immediately. Doors should be locked and labels posted designating the danger. No one should enter the house until it has been thoroughly aired by opening the side doors, and the ventilators if convenient. It is advisable to fumigate in the evening, keeping the house closed until morning. I have never found a greenhouse so tight that the fumes would remain in it in dangerous quantity all night, nevertheless, it is safest to air the house well before entering.

As cyanide of potassium is a powerful poison it should be handled as little as possible, and if touched with the bare hands they should be thoroughly washed at once. It should be stored



ONE OF THE DELIVERY AUTOS USED BY W. J. PALMER & SON, BUFFALO, N. Y.



OFFICERS OF THE FLORISTS' CLUB OF PHILADELPHIA.

Reading From Left to Right: David Rust, Secretary; Alfred Burton, Vice-President; Joseph Heacock, President; George Craig, Treasurer. All Were Unanimously Elected and Serve One Year From October 4.

THE SWEET PEA.

The Modern Sweet Pea.

My first sweet pea trip here at Boston was to the trial grounds at Marblehead, known as the "Rawson Dahlia Farm," in company with Mr. Fiske, of the new Fottler, Fiske, Rawson Co. There were 100 trials, many of them imported English novelties. I ought to say that what I had already seen and heard in the flower markets had largely reassured my mind. The general feeling among seedsmen and growers about the real merit of the Spencer sweet peas is really quite up to what we could wish. One gentleman today repeated what he heard a recent visitor to one of the English sweet pea shows say. He was stupefied with astonishment at the size and quality of the flowers he saw. Another member of the trade said to me that there was more reason to have a Boston sweet pea society than a gladiolus society.

My first interest in the Marblehead visit was the soil conditions,—a black peaty basin, and near the ocean. The vines had been blooming a month, and were green and healthy. I was specially interested to see how the distinctive character of novelties of a delicate type of beauty came out. I saw the finest pink picotee edge that I have ever seen. The label was simply numbered. It may have been Elsie Herbert, Eckford's Picotee, Martha Washington, E. J. Deal or Dainty Spencer. They all have a white ground and nar-

row pink edge. Whichever gives us the best uniform type ought to displace the others. I also noticed that Evelyn Hemus (Mrs. C. W. Breadmore) showed its warm cream ground and pink edging well. If the conditions bring out the character of such sorts as these then a hundred Spencers can be relied on to reproduce their type.

Such a soil and ocean air intensify color. The orange in Miss Wilmott almost borders on St. George, and the crimson overlay on the rose Millie Maslin seems intensified. I noticed good scarlets and cerise-scarlets. Evidently Boston is going to go on growing sweet peas. A practical point is this,—seed-houses go off miles into the country to find a suitable place to grow their trials, while the ordinary florist, after locating his greenhouses, tries to make his soil answer all purposes. He plants his sweet peas in some part of that soil and they are a source of doubt and foreboding from the day he puts them in. Why wouldn't it be practical to keep his eye out for bits of ground anywhere in a radius of a mile, where the conditions tend to heavier and moister soil? Wm. Patterson, one of our old exhibitors back in the nineties, told me his sweet peas were a total failure this year. At the Rawson farm I had to stroll a little among the dahlias, 22,000 of them, and 15,000 labeled,—getting ready for a grand September show, and a similar work is done in gladioli. The seed establishment of J. J. H. Gregory was pointed out. Did I

go in? I certainly did, and also saw the little original house where the late Mr. Gregory began with his Hubbard squash seed. W. T. HUTCHINS.

New Sweet Peas For 1911.

W. Atlee Burpee & Co. are offering six decided novelties in sweet peas for the year 1911 that promise to be very valuable additions to the list of varieties now grown, five are of the Spencer type and one of the grandiflora. While they have a large number of beautiful novelties it is their policy to thoroughly try out and test all new varieties before introducing them.

Ethel Roosevelt is a true waved variety of the largest and most perfect Spencer type, and has been chosen as the most distinct and one of the most beautiful of its class, and which for two successive seasons has come perfectly true to type and color. It is undoubtedly the daintiest and most beautiful of all striped or flaked sweet peas, and, when well known, will be found in all first class collections. Like the first of this new race, the now famous Countess Spencer, Ethel Roosevelt is of strong, robust growth, extremely free flowering, the individual blooms being of the truest Spencer type and usually produced in fours on very long stems. The flowers are of the largest size and the color combination is unique, though difficult to describe, the ground color being a lovely shade of cream, beautifully flaked and mottled with light or pinkish rose. The standard and wings are waved and frilled

in truest form, the wings being well placed, and not too open, as in so many varieties of the type, and is a variety of enhancing beauty.

Florence Nightingale is by far the largest and best lavender Spencer yet introduced. The flowers are truly magnificent and of immense size, the standard is unusually large and bold, pronouncedly wavy, yet standing erect and broad, frequently measuring two inches across. The color is a most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose pink. The large well spread wings are of the same coloring frilled and well waved. It is practically a self color and bunches beautifully, attracting universal admiration. The plant is extremely robust, flowering most profusely, the stout stems attain a length of twelve to sixteen inches and a large proportion bear four well placed flowers. It comes entirely true from seed both as to color and type.

Rose du Barri, the new grandiflora, affords an entirely new shade in sweet peas. The name itself suggests the color which is a lovely combination of deep, rich carmine rose and orange. While the flower is not of Spencer form and size yet it is slightly waved and for boutonnières or table decoration it is really a gem, and its brilliant beauty appeals to every lover of esthetic shades. The plants are of strong vigorous growth and are wonderfully profuse in bloom, and every flower is alike.

American Spencer, in brilliancy of color is almost an exact duplicate of the popular grandiflora, America, but ennobled to the true giant waved Spencer type. The ground color is ivory white distinctly striped with crimson-red. It is quite similar to the new English Spencer, Mrs. Wilcox, but is more free flowering and more heavily marked with crimson and scarlet. The flowers are borne three and four on long stiff stems, and hold their color well till near the end of the season.

Dainty Spencer, like the original Dainty, bears very long stems and usually carries four fine flowers each. It is a most beautiful pink edged variety; the ground color being pure white with a distinct margin of rose pink and the edging on the standard is considerably heavier than on the wings.

Emily Eckford Spencer has flowers of good form, waved and of the true Spencer type, of rosy self purple color at opening, but turn bluish-purple as they reach full expansion, while similar to Tennant Spencer, but without any suggestion of magenta, whatever variation there is being toward blue.

Of the first three varieties seed is being offered in packets only, but the last three seed may be obtained both in packages or by the pound.

NEW YORK, N. Y.—A petition in bankruptcy has been filed against Schustermann, Eisenberg & Schine, manufacturers of misses' cloaks. M. Schustermann has conducted a florist business alone on Second avenue for the last ten years.

MORRISTOWN, N. J.—Articles of incorporation were granted Badgley, Reidel & Meyer of Watchung avenue and Lafayette street, Chatham. The company is capitalized at \$20,000 and will conduct a wholesale cut flower commission business. The incorporators are William C. Badgley, Chatham; Henry C. Riedel, New York; Meyer Othils, New York, and William V. Mulford, Newark.

ORCHID NOTES.

The Cattleyas in October.

RE-POTTING.

Where a large collection of commercial cattleyas is grown there is always considerable re-potting to be done. At present we are working on *C. gigas* and although some of the plants are more forward in root action than we like them at potting time, it is better to attend to them now than to wait until spring. It is never a pleasant job for the orchid grower to re-pot plants that have made many new roots, for no matter how carefully the work is done some of the roots are sure to be injured in the process. There is no part of the grower's work that needs more care than this. Anyone may be trusted to pot a newly imported plant for there are no live roots, or but few, and it is only necessary to properly arrange the leads and give proper attention to drainage and compost.

With a plant that has been growing in the orchid house and has its roots entwined about the pot or basket it is quite different. It is usually necessary to burrow into the old compost with the hands and remove the decayed peat and dead roots, but great care should be given to the new and healthy tiers of roots and a little soft peat fiber should be placed around them before filling in with crocks, and new peat. Always endeavor to so place the leads that they have ample room without growing over the edges of the pot. Get

has a perfectly safe hold upon the compost in which it is grown.

ATMOSPHERIC TREATMENT.

It has been often and truly said that "orchids are usually over-watered at the roots and underwatered in the atmosphere." It is more necessary now than at any time of the year to guard against a dry atmosphere for many of the plants will be taking less root moisture than of late and the air must be fully charged with it or shrivelling will occur. For instance, *Cattleya Trianae* has now practically finished its growth—that is, on established plants—and the only work this and *C. Percivaliana* have to do is to perfect their flowers in the sheaths. This they will do with far less root moisture than they have been getting provided the atmosphere is kept moist. This moist air is also good for newly potted stock of *C. gigas*, *C. Gaskelliana* and the earlier plants of *C. labiata*. It is hardly possible, in fact, to have too much moisture in the atmosphere during bright weather in the fall, provided the compost in the pots is not wetted in the dampening process. It helps to develop good, strong pseudo bulbs and is in every way advantageous.

As winter approaches it becomes more necessary to admit all the light possible to cattleyas. Where shades are provided the grower has things far easier than where dependence is had upon some more or less permanent shading on the glass. He will now manipulate the blinds so they are rais-



ONCIDIUM ALTISSIMUM.

the roots started into the new compost whenever possible, then let them overflow into the atmosphere if they are inclined to do so. And, whatever else is neglected, make the new compost firm and see that the bulbs are so firmly fixed, by staking and tying if needed, that they cannot rock about when the plant is handled for examination or otherwise. No orchid can be considered properly potted unless it

ed a little earlier in the afternoon and lowered later in the morning, thus admitting all the light needed with no risk of injury to the plants. Inside much may be done by tying the plants and elevating them where needed to bring them up to the light. Many houses have the benches so arranged that plants stood on them are too far from the roof glass to do well, which, in the shallow pots used

for orchids, it is difficult to damp between them without wetting the compost. Room will be saved and the plants will be more satisfactory by tying them up singly and standing them on one or more inverted pots, as may be necessary. This is especially necessary for plants like *C. Mossiae* that are growing late in the season and need all the light and air available to perfect their growths. When the staging is properly arranged, so that damping beneath can be properly carried out, all this elevating of pots with its risk of knocking them over and troubles of this kind is eliminated but growers have usually to make the most of the houses as they find them and to do the best they can under the circumstances.

H. R. R.

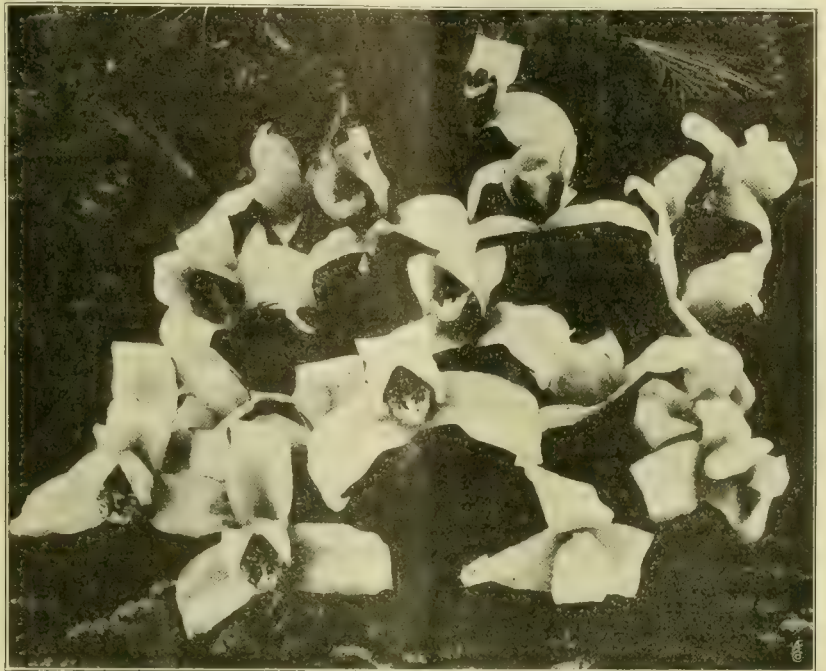
Lycastes.

Lycastes need much the same treatment as anguloas, and they are usually cultivated in conjunction with members of that genus. The majority of the species are natives of central America, where they are found at considerable altitudes, so that they ought not to be subjected to a high temperature, but be provided with similar conditions to those found in the intermediate house, where the temperature fluctuates between 50° and 65°. They usually produce their flowers in winter and early spring, although occasionally a few are seen at other seasons; but it is during the winter months that they are most appreciated on account of their lasting qualities. One of the most popular is *L. Skinneri*, a variable plant, but having, as a rule, white sepals and petals suffused with rose, the lip heavily spotted with crimson. A pure white form is known as *Alba*; and a chaste and beautiful variety named *Armeniaca* gained the R.H.S. F.C.C. on January 11, 1910, when shown by Mr. Ogilvie, of Oxford. Other good species embrace *aromatica*, *macrophylla*, *cruenta*, and *Deppel*. Lycastes are easily grown if given a little fibrous loam in the soil, and well watered while making their pseudo-bulbs, but after these are fully developed a rest must be allowed, and only sufficient water to prevent the bulbs from shrivelling.

The plant figured was cultivated some years ago by M. Martin, when gardener to Lord Leigh, of Stoneleigh Abbey, Kenilworth. It was growing in a 24-sized (8-in.) pot when the photograph was taken, and carried 25 fully expanded flowers. Mr. Martin supplied the following particulars of his system of culture:—"Our plants are grown in a span-roofed house, which is kept at a temperature of about 60°, with a rise of 10 degrees by sun heat. The plant has three pseudo-bulbs, and leaves two feet in length. Although the species is very free flowering, and lasts for several weeks in perfection, it is detrimental to the plant to leave the blooms on for a lengthy period, as by so doing it materially affects its flowering so well the following season. The compost we find suitable consists of a mixture of fibrous peat and sphagnum, with a good sprinkling of silver sand, broken charcoal, and potsherds. The pots should be clean and well drained, copious supplies of water being necessary during the growing season, with

an occasional application of weak liquid cow manure. The amount of water must be reduced in winter, although at no time should the plants be allowed to get dry at the roots. The flowers are very variable in color, from a bluish white to a deep rose, those born on the plant in question being of a bright rose color, lip white, spotted with crimson. The most suitable time to pot the plants is soon

well established more care in watering is needed. It has to have a distinct resting and growing season in order to flower freely. Plants keep all the time in a hot moist house and constantly wet at the roots will grow at a great rate, making big bulbs and leaves, but they fail to flower unless this growth is well consolidated by exposure to light and air and rested in winter.



LYCASTE SKINNERI WITH TWENTY-FIVE FLOWERS.

(After the Journal of Horticulture.)

after flowering, when they commence to make new growths."—Journal of Horticulture.

Oncidium Altissimum.

The increasing demand for light sprays of orchids for wedding bouquets and other decorations may possibly have the effect of again bringing into prominence the oncidiums with light elegant sprays of flower, of which *O. altissimum*, *O. spatulatum* and other old and half-forgotten species are examples. They are easily grown, flower freely every year and the flowers last a long time, either on the plants or cut and anyone who has work of the above kind to do might do worse than include a few plants of these in their collections. *O. altissimum* has been known to orchid growers of Europe for over 100 years, having been sent to Kew as far back as 1793, yet there are scores of orchid growers who have never seen it or would know it if they did see it.

It thrives well in an ordinary plant house if there is no orchid collection, or, if there is, it will do well with the cattleyas in a light but not too sunny position. The roots are vigorous and grow closely together, wrapping their compost into an almost solid mass. When in this condition a large amount of moisture is needed to keep the growth going but with plants not so

Earth Worms in Soil.

ED. AMERICAN FLORIST:—

I am troubled with the common earth worms among my potted plants. I have often seen lime water recommended for driving them out, but do not remember ever seeing a formula for using same. As I should be afraid of injuring the roots by applying a too strong dose would you kindly tell me about how many pounds of good stone lime should be used for, say 20 gallons of water.

W. A.

No exact formula for making lime water is used by gardeners, the custom being to place enough lime in the water to make a saturated solution allowing it to slack and get cold and then pour off, or better filter, the water and discard the residue. One pound of lime will saturate four or five gallons of water. There is very little danger of injuring the roots, if the water is allowed to get thoroughly cold, and no undissolved lime is used in the watering.

W.

POTTSTOWN, PA.—Extensive greenhouse improvements are being made at the Keim nurseries.

COLORADO SPRINGS, COLO.—The Colorado Springs Floral Co. has made an assignment in favor of its creditors, F. B. Sauerwald assignee. The stock and fixtures are valued at \$8,679 and the accounts receivable amount to \$1,436.

CHRYSANTHEMUMS

Early Varieties.

We notice some misgivings or rather severe criticisms are expressed upon the influence Golden Glow is likely to have upon later values, as to future mum values they will be controlled as formerly by supply and demand, no one can expect to dispose of a large quantity when there is little demand. The same applies to any other flower under like conditions. If Easter lilies were produced even in one-fourth the quantity in September as are grown for Easter, the sales would be unsatisfactory, and the same depreciated market prevails with either carnations or roses when the supply exceeds the demand. It seems to be a case of pampering unto death, the goose that laid the golden egg. Like sheep the great majority of us follow the same line of march without considering the result should large quantities mature when the demand is far below normal. If this is true it is not the fault of the variety, but the misjudgment of the grower either singly or collectively. Producing more than the demand requires, is apparent in several lines of florists' wares besides this one variety of chrysanthemum.

We know from many letters received that the small grower who devotes a limited space to Golden Glow, and so times the planting to secure the crop after September 15, is as a rule pleased with the result and many of them appreciate the efforts of the introducer in producing such an early variety. Here are a few comments received the fall following its dissemination: "The finest variety ever introduced to the trade." "Has proved everything you claimed it to be." "The best money maker sent out in the chrysanthemum line." "The best early yellow we ever saw." Being the raisers and introducers of Golden Glow, we are very well pleased with the results and particularly so in securing this, the earliest commercial yellow. We are also pleased to state we have secured an early white, known as Smith's Advance, which is even better in habit than Golden Glow, and being white will be of greater utility. This our latest achievement will be approved by many, while slack demand and the loss of a few dozen blooms, will be sufficient to condemn it in the eyes of a few. Sometimes our apprehensions are unwarranted and again those in-

terested are often influenced in their remarks by other sorts which they desire to make popular. A few years ago it was stated that Comoleta would have to hustle if it kept pace with Mary Godfrey as an early yellow. It is now evident that Comoleta possessed better commercial qualities for it is still grown in considerable quantity, while Mary Godfrey has been resting peacefully upon the dump heap for some time. This is only one instance where red paint has been spread with a wide brush to popularize varieties of foreign origin under the bane of commercial novelties.

October is the month when many of the early varieties will be on the market, establishing a record from the financial standpoint, and this record may be good or bad. Among last spring's novelties which were included among the earliest, Yellow October Frost is the earliest, and is equally as good as the white form. It is much darker yellow than most of the sport



David G. Grillbortzer.

varieties. Fine blooms are finished by September 20 from buds taken August 8. Donatello, an intense yellow, will be the next ready, and should mature by October 15. Oroba, a white on the style of Beatrice May, is due October 20. This will soon be followed by Mrs. Jane Cockburn, a

darker pink form of Glory Pacific class, and Yellow Ivory will finish near the end of the month. Glow, Tousey, Gloria, Pacific and sports, Ivory, Shaw, Monrovia, White and Yellow Frost, Halliday, Poehlmann and many others will be placed upon the market in more or less quantity within the next thirty days. The three important factors governing the prices of early blooms will be supply, demand and quality. While supply or quality can be controlled as far as the individual grower is concerned, yet he is unaware of just how many of these sorts are being grown contributory to a large market. Strong demand is of vital importance and is unfortunately entirely beyond our control. In recent years there is an increasing desire for outdoor life, and as long as pleasure can be derived by such recreation little thought is given to inside decorations. Financial depression necessitates entertainment along such lines, and national and state elections so enters into our lives that social enjoyments are deferred until such affairs are settled. In fact, any condition that sways or diverts the public from its natural course has great influence upon the demand. Quality, as every one knows, has decided effect upon the ultimate returns. In times of glutted markets the best blooms are first disposed of thus forcing the grower of inferior grades to suffer. There is much to be considered by those interested in the October sales, especially those who consign or sell direct to the retailers to whom the foregoing remarks are directed. Allow us to suggest that one day at least of each of the next four weeks, be spent in inspecting the stock of others interested in such crops. By so doing it is easy to determine the relative merits of our products. It shows the plants as they are growing and affords the best possible means of comparison. Comparison is the only way we have to determine the quality of our products, and the few hours thus consumed may be more profitable in directing a course for the future, than otherwise employed.

In drawing conclusions for another year's use, remember that incurved blooms as a rule are most serviceable, showing less of the wear and tear in handling. It may be possible some changes in color can be made to advantage; Pacific Supreme is of a more pleasing shade and holds its color better than Glory of Pacific. Bright or



VIEW OF DAVID GRILLBORTZER'S HOUSES AT ALEXANDRIA, VA.

intense yellows are in greater demand than those of lighter tints. Stem should be given some consideration both as to its tenacity and length, and bright green foliage is most desirable. It is not so important to those who dispose their products over their own counter, to tie themselves down to such hard fast lines. There are always places where looser and more

from any cause. The greater the severity of such conditions the more these troubles are aggravated. We do not think the kind of water used would have any influence one way or another. Maintain as far as possible normal condition and avoid extremes in all cultural details. This will be a step in the right direction. Bordeaux, Sulphur and lime, or Potassium Sulphide are

boyhood of a practical gardener. He is a large grower of roses and carnations, which find a ready sale in Washington, D. C.

David G. Grillbortzer was born in Alexandria, Va., thirty years ago. His father, J. H. Grillbortzer, who is yet an active man, was a successful market gardener and his sons received a thorough training in the cultivation of the soil. David, at an early age, took a great interest in the growing of flowers. About seven years ago he erected 12,000 square feet of glass and since that time has year by year been adding to his glass area till he has now about 90,000 square feet. He makes a specialty of roses and carnations and his stock finds ready sale in Washington, D. C. Three years ago he married Miss C. Dreifuss. He is a young man of fine business qualities and genial personality. He is a thirty-second degree Mason and a member of the Nobles of the Mystic Shrine; a life member of the S. A. F. and a member of the Washington Florists'

State Flowers.

The following are state flowers as adopted in most instances by the vote of the public school scholars of the respective states. This list has been compiled at the request of several readers:

Alabama	Goldenrod
Arizona	Cereus Giganteus
Arkansas	Apple Blossom
California	California poppy (Romneya)
Colorado	Columbine
Connecticut	Mountain Laurel (Kalmia)
Delaware	Peach Blossom
Florida	Camellia Japonica
Georgia	Cherokee Rose
Idaho	Syringa
Illinois	Rose
Indiana	Corn
Iowa	Wild Rose
Kansas	Sunflower
Louisiana	Magnolia
Maine	Pine Cone
Michigan	Apple Blossom
Minnesota	Moccasin Flower (Cypripedium)
Mississippi	Magnolia
Missouri	Goldenrod
Montana	Bitterroot
Nebraska	Goldenrod
New Jersey	State Tree, Sugar Maple
Nevada	Artemisia tridentata
New York	Rose
New Mexico	Rose, Crimson Rambler
North Carolina	Chrysanthemum
North Dakota	Goldenrod
Ohio	Buckeye
Oklahoma	Mistletoe
Oregon	Oregon Grape
Rhode Island	Violet
South Carolina	Carolina palmetto
South Dakota	Anemone patens
Texas	Blue Bonnet
Utah	Sage Lily
Vermont	Red Clover
Washington	Rhododendron
Wisconsin	Violet



HOUSE OF KILLARNEY ROSES AT DAVID GRILLBORTZER'S, ALEXANDRIA, VA.

artistic formed flowers can be used, and those having such at hand have an advantage over those supplied from commission stores, when it comes to artistic arrangement. A spray of singles here, a few anemones there, a large loose one in another position is far more effective than where the formal incurved are used entirely.

It seems rather foolish to repeat what we have so often said regarding early planting. It is of great importance to those who require October flowers, especially if desired early in the month. The plants must assume a certain amount of energy or growth to insure early buds. Those who can not devote space for planting in May can not expect to be first in the market. A good memorandum to make with other mum notations is, that early planting has a tendency to hasten and late planting to retard floral development.

ELMER D. SMITH.

Chrysanthemums Leaves Dying.

ED. AMERICAN FLORIST.

The leaves on my chrysanthemum grow brown and die off. I have grown pot chrysanthemums for 15 years but never had any trouble until the last few years. I formerly watered from a well that was dug, but lately had a well driven which is 150 feet deep. Can you inform me what is the cause? What can be done to cure or prevent it? Can it be the water? A. G.

The leaves submitted by A. G. are affected by one of the forms of leaf spot, which is more or less prevalent among most chrysanthemum growers. This, like all other fungus diseases, is developed by conditions, which tend to weaken the plant's vitality such as sudden changes of heat or cold, being too dry or wet, or impaired root action

best remedies for all fungus diseases but should be applied early in the season as a preventative rather than a remedy after it becomes prevalent. The Potassium Sulphide would disfigure the foliage the least of the three remedies. Use at the rate of 1 ounce to 2 gallons of water.

ELMER D. SMITH

David Grillbortzer, Alexandria, Va.

Though it is only a few years since David Grillbortzer began to erect glass he has been steadily successful and has increased his area year by year. He had the advantage of a training from



INTERIOR VIEW OF ROSE HOUSES AT DAVID GRILLBORTZER'S, ALEXANDRIA, VA.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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AZALEAS received last week are of better quality than last year's stock, but the crop is short.

Max Leichlin.

European papers record the death, September 3, of Max Leichlin, the well known botanist of Baden Baden. Herr Leichlin was born at Carlsruhe, Baden, October 20, 1831, and in early life traveled extensively in Europe and South America.

Personal.

The announcement is made of the engagement of Miss Carrie Forkner, daughter of Judge and Mrs. M. E. Forkner, New Castle, Ind., and P. J. Lynch of the Dingee & Conrad Co., West Grove, Pa.

Godfrey Aschmann, Philadelphia, Pa., reports an enjoyable visit to Europe and sailed from Rotterdam for home October 8.

P. Welch, the well known wholesaler of Boston, Mass., started in business 33 years ago, October 10.

Society of American Florists.

REGISTRATION OF COLEUS.

Public notice is hereby given that the J. W. Ross Company, of Centralia, Illinois, offer for registration the Coleus described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Coleus Fanny Ross. Leaves large to very large; color rich velvety crimson shading outwardly to pink, often having gold blotches in the point; beautifully edged with green and gold.

H. B. DORNER, Sec'y.

October 6, 1910.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass. — Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York. — Eugene Dailedouze (chairman), Wm. Duckham. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa. — A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O. — R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago. — J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

The third member of the New York committee will be announced later.

OFFICIAL JUDGING SCALES.

Commercial.		Exhibition.	
Color	20	Color	10
Form	15	Stem	5
Fullness	10	Foliage	5
Stem	15	Fullness	15
Foliage	15	Form	15
Substance	15	Depth	15
Size	10	Size	35
Total	100	Total	100
Single Varieties.		Pompon Varieties.	
Color	40	Color	40
Form	20	Form	20
Substance	20	Stem and Foliage	20
Stem and Foliage	20	Fullness	20
Total	100	Total	100
Single varieties to be divided in two classes, the large flowered and the small flowered.			

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Sealing Cut Flower Boxes.

A very novel and ingenious idea has come to our notice in the packing and shipping of cut flowers. After the flowers are packed the box is tied with a ribbon, the ends of which are fastened to the box with sealing wax and the florist's private seal stamped thereon. This is not to add style to the box but serves the purpose of having the box reach its destination undisturbed.

It is not an uncommon occurrence for flowers to leak in transportation. Two dozen American Beauties will shrink to one and where the flowers are sent as a gift the chance of detection is slight and in large orders few persons will take the trouble to count the quantity received and a half dozen might be easily abstracted and never missed. The foregoing plan removes all temptation from the path of those entrusted with their delivery.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Albany, N. Y., November 10-12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Frederick Goldring, chairman show committee.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. C. P. Close, secretary, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show, Society of American Florists, Mechanics' building. Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Chicago, November 8-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. J. H. Burdett, secretary, 1620 W. 104th Place, Chicago.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. A. F. J. Baur, secretary, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. R. Carey, secretary, Long Branch, N. J.

Milwaukee, Wis., November 7-14, 1910.—Flower show, Milwaukee Florists' Club, in the Auditorium.

Minneapolis, Minn., November 16-20, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society, Edward Reagan, secretary, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music Hall, 115 Court street. Frederick H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland Hotel. Angus McLeod, secretary, 168 South Allen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28, 1910.—Annual flower show, Dutchess County Horticultural Society.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Adin A. Hixon, secretary, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Boston, Mass., October 18.—Gardeners' and Florists' Club of Boston, Horticultural hall.
Chicago, October 20, 8 p. m.—Special—Chicago Florists' Club, Union Restaurant, 11 Randolph street.

Detroit, Mich., October 17, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., October 17.—Grand Rapids Florists' and Gardeners' Club, office of member.

Montreal, Que., October 17, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guards building, 211 Sherbrook street, west.

New Orleans, La., October 20, 8 p. m.—New Orleans Horticultural Society, Kolbs' Hall, 127 St. Charles avenue.

Newport, R. I., October 19.—Newport Horticultural Society.

Pasadena, Calif., October 21, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Providence, R. I., October 17, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, October 18.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., October 21, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., October 18.—Seattle Florists' Association Chamber of Commerce Second avenue and Columbia street.

St. Paul, Minn., October 18, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., October 18, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Head gardener, Scotch, wishes position; references. Address "L", care R. & J. Farquhar, Boston, Mass.

Situation Wanted—In the city of Chicago by an all around florist with five years' experience. M. D., 1514 W. Chicago Ave., Chicago.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Nov. 1.

Key 219, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman, in Chicago; 14 years' experience; good references to show.

Key 218, care American Florist.

Situation Wanted—As gardener on private place; single German age 48; experienced in all branches; high references; wages liberal. GARDENER, 110 W. Indiana St., Chicago.

Situation Wanted—A salesman and maker-up wishes position in first-class store; can furnish good reference, and has had long experience. Address Key 220, care American Florist.

Help Wanted—At once, a man who can dig and pack nursery stock, mostly evergreens and fancy ornamentals handled. J. J. BONNELI, 26 Avenue and East Galer, Seattle, Wash.

Help Wanted—Rose grower, young married man capable of taking care of section; sober and industrious; no other need apply; house on place. ROBERT KLAGGE, 154 Floral Ave., Mt. Clemens, Mich.

Help Wanted—Designer and decorator by the Smith & Fettes Co., 735 Euclid Av., Cleveland, O. When writing give experience and salary expected. Address Key 221, care American Florist.

Help Wanted—A good sober all-around man to grow roses, carnations, 'mums and a general line of bedding and blooming plants; a man not afraid to work; state wages and experience in first letter. GUS JOHNSON, 306 E Springfield Av., Champaign, Ill.

Help wanted—A capable all around florist to take charge of 12,000 feet of glass; a hustler; married or single, gets good wages; answer with qualifications and wages expected. THE ANDERSON FLORAL CO., St. Cloud, Minn.

Help Wanted—Florist for general work in a small range of houses; must be competent to grow any small stock, also roses; a good job for the right party; with your reply state wages wanted and references; act quick.

OTTO SCHWILL & CO., Seedsmen, 18-20 S. Front St., Memphis, Tenn.

For Sale—Model boiler, No. 5-30; good condition; cheap. Address Key 201, care American Florist.

For Sale—\$8,000.00 seed and hardware stock, doing good business; good reason for selling. E. J. HOEBERGEN, Des Moines, Ia.

For Sale—Florist place in New England half way between New York and Boston; All shipping facilities; good retail trade, designing, etc.; near two large cemeteries with own water supply and pipe line; two greenhouses, 100x22 ft., 60x14 ft.; four years old; another house needed to supply local demand; new boiler already set up in cellar for another house; lot of new piping, pipe, tools, etc.; greenhouses fully stocked and in full running order; store down town sells plants and flowers all the time; will sell whole place with dwellings, barns, etc., or will sell just greenhouses and land they occupy; whole place is 8½ acres. Owner has other business to attend to. Write for particulars. Key 216, care American Florist.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

Head Gardener.

Thoroughly qualified in all departments, with highest reference, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED

A working foreman to take charge of 50,000 feet of glass; mostly roses, carnations, violets and 'mums; send reference with first letter; wages to start at \$70.00 per month.

W. W. COLES, Kokomo, Ind.

For Sale—At a bargain, a splendid greenhouse business in Indiana; only a small amount of capital needed by the right person. For particulars and terms address Key 210, care American Florist.

Your Chance.

A well established florist business with two greenhouses, 24x100 and 22x75; fine dwelling house with basement 24x36; a fine well; one acre of ground; house; wagon; and store fixtures; all in good shape. \$6500 half down balance on time. Address

FRED J. FISCHER, Reno, Nev.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

\$125 BUYS A LOT

25x247 feet long; \$5 down; \$5 monthly; no interest; good soil; splendid transportation; beautiful spot for florist or nursery; close to six cemeteries. Take Morgan park car at 79th and Halsted sts. to end of line, walk block west; sales man on ground daily after 1 p. m.

J. S. HOWLAND, 138 Washington St., Chicago. Phone Main 455.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Extra long specials.....	\$3 00 to \$4 00	
36 inch.....	2 50	
24 to 30 inch.....	2 00	
15 to 18 inch.....	1 50	
12-inch.....	1 00	
Shorter...per 100, \$4 00, \$6 00		
Killarney, special.....		Per 100
Long.....	\$10 00	
Medium.....	8 00	
Short.....	6 00	
Cardinal, special.....	3 00 to 4 00	
Long.....	10 00	
Medium.....	8 00	
Short.....	6 00	
Short.....	3 00 to 4 00	

Richmond, special.....		Per 100
Long.....	\$10 00	
Medium.....	8 00	
Short.....	6 00	
My Maryland, special.....	\$3 00 to 4 00	
Long.....	10 00	
Medium.....	8 00	
Short.....	6 00	
White Killarney, special.....	3 00 to 4 00	
Long.....	10 00	
Medium.....	8 00	
Short.....	6 00	
Perle, medium.....	3 00 to 4 00	
Short.....	4 00 to 6 00	
Carnations, fancy.....	2 00 to 3 00	
common.....	3 00 to 4 00	
common.....	1 50 to 2 00	

Chrysanthemums, Golden Glow, yellow; October Frost, white		per doz., \$2 50 to \$3 00
Orchids, Cattleyas.....		per doz., \$5 00 to \$6 60
Harrisii Lilies.....		Per 100
Valley.....	\$12 00 to \$15 00	
Gladoli.....	3 00 to 4 00	
Plumous Sprays, Sprenger.....	3 00 to 5 00	
Plumous Strings, extra long.....	2 00 to 3 00	
Smilax.....	per string, 60c	
Galax.....	per dozen, \$1 50 to \$2 00	
Ferns, fine, new.....	per 1000, 1 00	
Boxwood.....	per bunch, 1 50	
Adiantum Croweanum.....	35	
	75 to 1 00	

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Chicago.

The very warm weather during October has not tended toward hurrying the people from their summer homes to their city residences and consequently has had its effect upon the demand for floral work for society functions have not attained full sway. While the cut in almost all kinds of stock is not large yet the demand keeps about equal to the supply, there being no great shortage in anything and also no perceptible surplus except in one or two lines. Roses are of same high grade that have been noticeable for the last few weeks and while the cut has shortened up, yet with the exception of shorter stemmed Beauties, of which the supply is hardly enough to fill the demand, there appears to be enough to fill all the orders received. Elegant long stemmed Beauties are very noticeable and finding good sale at the current prices. In the other roses the prices for the higher grades has advanced a little and some very fine stock is being received. Killarney has the call and is closely followed by My Maryland, Mrs. Marshall Field, Richmond, White Killarney, Bride and other colors. Carnations are now of good stem and color and the blooms are of good size, fancy grades are selling well. Large consignments of cattleyas and other orchids are being received, in fact, a little more than the trade at present warrants. Chrysanthemums are beginning to come more bountifully. Monrovia, Yellow Touset and Halliday are pushing Golden Glow and Pacific Supreme and Glory of the Pacific are the pink varieties on the market. White is represented by Polly Rose and October Frost. The quality is very fine and some beautiful blooms are seen. Lilies and valley are a little short and the good grades sell quickly. There is no call for violets and what are coming into the market find very slow sale. Dahlias and cosmos are the only outdoor flowers now on the market to speak of, and some very handsome varieties of the former are to be found daily. Quantities of autumn foliage, principally the high colored oaks, are being used, which decreases the demand for green stock. Everything considered, business is good and the outlook very optimistic.

NOTES.

The Geo. Wittbold Co. are extremely busy these days, packing and shipping the many orders for the excellent stock they are sending out. They are

offering some very tempting bargains to the trade and their stock is fully up to all it is represented to be. Their Boston ferns are in elegant condition, all sizes, and when seen, readily find a purchaser. To properly conduct this vast business they now have in use some 60 wagons beside two autos. The management of this large establishment is thoroughly systematized. Louis, the secretary and treasurer, has charge of all the clerical and office staff. Fred and Henry manage the outside work and supervise all the many decorations they are called upon to arrange, and Otto superintends the nursery at Edgebrook, where the large assortment of splendid stock for outside planting is grown.

The high quality of the stock at the Poehlmann Bros. Co. is fully maintained at each day's receipt. American Beauties of elegant quality are in good cut and the receipt of all grades, both long and short, is equal to the demand. Beautiful Cattleyas are now being received and their Lily of the Valley is as fine as can be found on the market. Killarneys of beautiful color and of all grades as well as all the other desirable varieties of roses are always on hand. Carnations are now coming in fine shape, good size stem and color. Chrysanthemums and Harrisii of fine quality are daily received.

On October 10, E. C. Amling, the well known wholesale and commission merchant, celebrated his forty-second birthday at his home with a family gathering and was the recipient of the good wishes of all with many happy returns of the day. Mr. Amling made his first start in the flower business with his brother, Albert F. Amling, at Maywood in the greenhouses located at that place. Here he remained for seven years and fourteen years ago he came to Chicago and established the wholesale house which under his successful management has attained the well-earned reputation it enjoys. This year the name was changed to the E. C. Amling Co. and Mr. Amling was chosen president that he might still direct the affairs of the concern successfully.

E. H. Hunt received a shipment of ten large cases of florists' baskets on October 8, and happening to stroll in while Clifford Pruner and his force of assistants were busy unpacking, our attention was called to a new novelty, an aluminum fern dish, a number of which were included in the shipment. The supply department is well stocked

and everything is in readiness for the coming season, which from the present outlook promises to be a very busy one.

Hoerber Bros. are now receiving an especially excellent grade of Bride, Richmond and White and Pink Killarney roses, and some fancy carnations are among the daily receipts, which are eagerly sought by their trade. The stock they are now handling is especially gratifying to their customers, one of whom was so well pleased when the shipment reached him at New Orleans, La., that he immediately forwarded a good standing order for similar goods.

J. B. Deamud Co. is certainly earning the reputation of being the "busiest house" which they claim, for the stock finds a customer as soon as it reaches the store. A high grade of stock and good packing are sure to make customers, and the care with which the fine stock is shipped at this store will surely redound to its credit. An excellent grade of orchids, roses, carnations and all other kinds of stock is sure to be found here.

The Chicago Carnation Co. are handling a fine grade of all the leading varieties of carnations, all of which are their own growing at present, and the quality is of the best. Miss Nettie Parker, who has been with this firm for years, is performing the office work. The Chicago office transacts all the business of this concern, and Manager Pyfer is very enthusiastic over the amount of business done.

Bassett & Washburn are receiving fine chrysanthemums in all the leading varieties and excellent roses for which they are receiving a heavy demand. The O. P. Bassett carnations are now coming in with stems 18 inches long and the retail stores in town are taking all they can get. Out of town trade is very active and business in all lines of stock is very good.

Poehlmann Bros. Co. made a clean sweep at the state fair held at Springfield September 30 to October 8, making entries of their roses in 25 different classes and winning 25 first premiums.

J. A. Budlong is cutting large quantities of white, pink and yellow chrysanthemums of the leading commercial varieties which are of exceptionally good quality. Yellow Touset, a sport of Clemantine Touset, is now in the market and is giving splendid satisfaction. The demand for these flowers is exceedingly large and the force is kept

Chrysanthemums

White, Yellow and Pink, \$2.00 and \$3.00 per doz.

All strictly commercial varieties that ship well.

Big crop of Beauties and Roses also very fancy **Carnations** especially Red, stems 15 to 18 inches long.

—PRICE LIST—

AM. BEAUTIES,	Per doz.
36 in. and over.....	\$3 00
24 to 30 in.....	\$2 00 to 2 50
18 in.....	1 50
12 to 15 in.....	1 00
Short stems. per 100,	4 00 to 6 00
HARRISH LILIES	per doz., 2 00
".....	per 100, 16 00
FANCY CARNATIONS,	Per 100
White, Pink and Red..	\$2 00 to \$3 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	\$2 00 to 3 00
Extra select Kaiserin....	8 00
ROSES , our selection....	2 00
White, Yellow and Pink 'Mums,	
per doz.....	\$2 00 to 3 00

	Per 100
Lily of the Valley ...100,	\$3 00 to \$4 00
Asparagus	per string, 60
".....	Sprays. per 100, \$3 00 to 4 00
Sprengerl	per 100, 2 00 to 3 00
Ferns	per 1000, 1 50
Smilax	per doz., 1 50
Adiantum	per 100, 1 00
Galax, green	per 1000, 1 00
".....	bronze.....per 1000, 1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

busy filling the many orders which are received every day.

A. L. Randall, after spending three months at his farm at Benton Harbor, Mich., has returned to the store. W. W. Randall is also back from his vacation, part of which was spent visiting in St. Joe, Mich. Business is reported as very good, and the fall trade is very promising. T. E. Waters has just returned from a very successful trip.

John Kruchten is handling large quantities of mums, gladioli and carnations. Mr. Kruchten received three boxes of mums from Harper City, Ind., that were so badly affected by the heat in the express car that they were almost a total loss. This is one of the instances where the express companies should be required to make good the loss.

The trade at Vaughan & Sperry's is extremely satisfactory, and large shipments are in order, and the business done on October 7 and 8 was very large. "Two big days." They are receiving some very handsome cattleyas and large quantities of other desirable stock. Extra large shipments of boxwood were received during the week.

Weiland & Risch are cutting an elegant lot of roses and carnations, which are very much appreciated by their trade. The Killarneys are of very high color and grade, and the other roses are equally as fine. The carnations are as nice stock as the market affords, of good size and stem, Enchantress being particularly noticeable.

Wieter Bros. are cutting an excellent grade of Kaiserin, White and Pink Killarney, Jardine and American Beauty roses. Chrysanthemums are arriving more freely and Rosiere made its appearance in the market the past week. This firm is receiving a fancy grade of carnations for which the demand is heavy.

J. Friedl, 3538 West Twenty-sixth street, reaped the benefit of the carnival held last week by the West Twenty-sixth street Business Men's Association. Mr. Friedl's float, a loving cup, stood nine feet high, was made of solid asters and American Beauty roses, was one of the features of the parade.

Charles W. McKellar is receiving large consignments of a large variety of orchids, which are having a fine sale. A large shipment of Oncidium Varicosum Rogersii was among the arrivals this week. Dendrobium Formosum is meeting with a fine demand, being used with Lily of the Valley for bridal work.

H. A. Fisher, of H. A. Fisher Co., Kalamazoo, Mich., spent a few days of the present week in the city, buying stock for the fall business. George Fisher is constantly on the local market buying the stock that is needed for their stores at Kalamazoo and Battle Creek, Mich.

We erred last week when we stated that others besides George Perdikas were interested in the store on Dearborn street and Jackson boulevard. We wish to inform the trade that Mr. Perdikas is sole proprietor, and that we were misinformed, hence the error.

Raichart & Krejci, 3250 West Twenty-sixth street, are enjoying an exceptionally good business, the carnival held last week calling for a large quantity of flowers. A feature of the automobile parade on October 5, was an auto decorated by this firm.

J. B. Opitz, 3626 Cottage Grove avenue, is enjoying an exceptionally good business. On October 6 several designs were delivered to the Ledermann residence on Indiana avenue, where the funeral of Sol. Ledermann of the Maryland Distillery Co. was held.

Peter Reinberg is cutting an excellent grade of carnations of all the leading varieties, White Enchantress especially being of extra fine quality with long stems for this early in the season, and the other varieties are of nearly the same general excellence.

E. F. Winterson Co. is handling large quantities of chrysanthemums. Polly Rose made its first appearance this week and was disposed of as fast as brought in. Some gladioli of exceptionally good quality were also noticed.

The A. L. Randall Co. have received their fall shipments of fancy decorative stock and waterproof chiffon. Miss Tonner reports an unusually good season, the bulk of the business transacted exceeding that of former years.

Frank Oechslin, 4911 Quincy street, is building a propagating house, 9x110 feet. Mr. Oechslin deals largely in market plants and an inspection of the greenhouses showed the stock to be in splendid condition.

E. C. Amling Co. is filling a large number of orders for Lily of Valley for which the demand is heavy. Violets are arriving in larger quantity and those received on October 10 were of A 1 quality.

The Killarneys that are being cut at the houses of George Reinberg are as fine as can be found on the market, and the daily cut exceeds any that has ever been made at this well known place.

H. Van Gelder, of Percy Jones', is receiving large consignments of white, pink and yellow chrysanthemums, which are as fine as can be seen in the market.

Zech & Mann are receiving large quantities of roses and carnations; the latter are in great demand and are quickly disposed of at an early hour.

Theo. Vogel, better known as "Teddy," formerly with W. J. Smyth, Mich-

WE ARE CUTTING HEAVILY

American Beauties

Richmond and Mrs. Marshall Field Roses.

Also Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,		Per doz.	Killarney, select.....		Per 100	Ivory, select.....		Per 100
Long stems.....	\$3 00 to \$4 00		medium.....	\$4 00 to 6 00		medium.....	\$6 00	
30-inch stems.....	2 50						4 00 to 5 00	
24-inch stems.....	2 00		Mrs. Marshall Field, select.....	8 00		Carnations.....	\$1 50 to 2 50	
20-inch stems.....	1 50		medium... 4 00 to 6 00			Valley.....	3 00 to 4 00	
15-inch stems.....	1 25		Perle.....	4 00 to 6 00		Easter Lilics.....per doz.,	1 50 to 2 00	
12-inch stems.....	1 00		Bride select.....	8 00		Asparagus Plumosus,		
Short stems.....\$4 00 to \$6 00 per 100			medium.....	4 00 to 6 00		extra quality..per bunch.	50	
		Per 100	My Maryland, select.....	8 00		Fancy Ferns.....per 1000.	1 50	
Richmond, select.....	\$8 00		medium.....	4 00 to 6 00				
medium.....	\$4 00 to 6 00							

ROSES, our selection.....\$3.00 per 100

Peter Reinberg,

35 Randolph St., CHICAGO.

igan avenue, took his departure October 7 for Los Angeles, Calif.

The Chicago Rose Co. is handling a large quantity of chrysanthemums and roses. Brides and Maids being of exceptionally good quality.

The Chicago Carnation Co. was a large exhibitor at the state fair held at Springfield October 3-6, and was awarded eight premiums.

Kyle & Foerster are offering large quantities of gladioli, carnations, dahlias and chrysanthemums of very fine grade.

E. R. Farley, formerly of Chas. W. McKellar, has accepted a position as salesman with H. Van Gelder of Percy Jones.

E. E. Pieser, of Kennicott Bros., is reported as on the sick list this week, being indisposed with a severe cold.

Visitors: J. G. Heintz, Terre Haute, Ind.; H. A. Fisher, of H. A. Fisher Co., Kalamazoo, Mich.; Theodore Wirth, Minneapolis, Minn.; B. Juerjens, Peoria, Ill.

Chicago Florists' Club.

The coming flower show, to be held at the Coliseum, November 7-12, was the principal subject of discussion at the large and enthusiastic meeting of the Chicago Florists' Club October 6, President Asmus in the chair. Twelve new members were enrolled as follows: Emil Middendorf, Wm. Kellsner, A. Christiansen, H. Nicholson, and H. Dumke, all of the Chicago Carnation Co., Joliet, Ill.; Fred Smith, 2509 W. Langley avenue; Jas. Einsweck, 3356 Potomac avenue; A. C. Rott, Joliet, Ill.; J. W. Kyle, 5435 Lake avenue; J. W. Fink, 2642 Herndon street; Jos. Foerster, 2242 N. Halsted street and Jack Byers, 48 Wabash avenue.

August Poehlmann and W. N. Rudd spoke of the flower show, emphasizing the great value of such events to the trade and the importance of united effort in making them a success. Mr. Poehlmann announced that the Horticultural Society had appropriated upwards of \$1,000 for exhibits of the retail trade, making an approximate total of \$6,000 in premiums for this exhibition.

Chairman Yarnall of the bowling committee reported that a number of



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Coerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations**, and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. MCKELLAR

51 Wabash Avenue. CHICAGO.

valuable prizes had been offered for the team contests, the donors being President Asmus, Poehlmann Bros. Co., Vaughan & Sperry and the John C. Moninger Co.

Resolutions endorsing the candidacy of J. C. Vaughan for congressman in the second district were unanimously adopted as follows:

Resolved, by the Chicago Florists' Club, in regular meeting assembled

That whereas, one of our charter members, Mr. John Charles Vaughan, has received the Democratic nomination for congress in the second district of Illinois,

And whereas, we have been for years associated in a business way with Mr. Vaughan and by that association have been impressed with his high integrity and unusual business ability;

Therefore, be it resolved, that we most heartily endorse him as a candidate for the position of member

congress and that we express formally, our conviction that he is eminently qualified to fill the position to his own credit and to the advantage of his constituents.

H. N. Bruns reported that he had recently called on J. F. Klimmer, who has been ill for some time, and found him progressing favorably.

Manager Pyfer of the Chicago Carnation Co., exhibited a vase of his firm's new carnation, Washington, a fine dark pink sport of Enchantress which originated with Henry Eichholz, Waynesboro, Pa., some four years ago.

Vaughan's Nurseries, Western Springs, made a good display of dahlias.

The next meeting will be held at the Union restaurant, Thursday evening, October 20, at 8 p. m., when various flower show committees will report progress.

Send Trial Order Now.

CUT FLOWERS

ROSES, CARNATIONS, CHRYSANTHEMUMS and all other Seasonable Stock.

Our Roses are of exceptionally good quality. Our Carnations, although a little short of stem are **as Good a Grade as can be found in the Market.**

WIETOR BROS., 51 Wabash Ave., **Chicago.**

L. D. Phone Randolph 2081

Fancy Carnation Blooms

STRICTLY FRESH

Our carnations are in crop and we are in position to supply you with choice stock on short notice.

Address all orders and correspondence to **CHICAGO.**

CHICAGO CARNATION CO., A. T. Pyfer, Manager, **35-37 Randolph St., CHICAGO.**

well-known eccentric character of St. Louis. This will prove quite an advertisement for this enterprising firm.

Frank Weber & Sons will issue their new catalogue this week. Their rose houses are looking fine and they are cutting some very choice roses. They have just started to cut chrysanthemums.

The Paris Floral Co., on Broadway and Olive street, are now making a very pretty window display. Some very fancy white and yellow chrysanthemums were shown.

C. Young & Sons Co. have their show windows decorated with a fine assortment of fall foliage leaves, bulbs and all cut flowers in season, which is very beautiful.

We regret to report that Charles Kuehn has been confined to his bed since last Thursday suffering with a very severe cold on his lungs.

The Florists' Club will hold its meeting Thursday. President Cannon presides for the first time and desires a good attendance.

The Riessen Floral Co. had several large orders the past week which took several large bunches of American Beauty roses.

Wm. Smith, of the W. C. Smith Wholesale Floral Co., made a flying visit to Springfield, Ill., to attend the State Fair.

Andrew Meyer, Sr., has returned from Springfield, Ill., where he served as one of the judges of horticultural exhibits.

C. E. DeWever is rejoicing in the arrival of a daughter October 7, mother and baby both doing well.

Chas. Cannon assisted during the past week at the store of the Kelley Floral Co.

Geo. Angermueller is receiving some extra fancy dahlias.

Grimm & Gorly have a fern sale on this week.

W. F.

Milwaukee.

Last week found stock very favorable to begin with and selling readily and at very good prices but towards the end of the week things just reversed. The favorable weather being responsible for the conditions. Roses enough but mostly of a longer grade—

everybody seemed to want nothing but shorter stemmed roses which made it doubly hard to fill orders and get good returns for same. Carnations are coming in more freely and of a better grade but are being picked up quite readily. Chrysanthemums have not made their appearance up to the writing at least not enough to make it worth while for the wholesalers to push same. The first violets, that is of home-grown stock, made their appearance and sold readily, bringing a nice price. Valley enough to fill all orders. Easter lilies are still scarce. Dahlias that are coming in are exceptionally fine and are selling quite readily. In fact all out-door stock is very good. The best we have had this season. The wholesalers are now wishing for a good killing frost, which would help considerably in easing up the market on carnations and roses, and help the chrysanthemums, which are just about due. American Beauties are of a very good quality and are selling at very good prices.

NOTES.

The Florists' Club meeting was held October 6 and a large number in attendance. The flower show, which will be held November 9-13, was the main topic. The executive committee reported having sent out the preliminary premium list and all those not receiving one will kindly write for same to H. V. Hunkel, chairman of the executive committee. The decoration committee for the show are contemplating some elaborate decorations. Something entirely different from former years. The growers who intend showing stock would help the executive committee considerably by sending in their entry list as soon as possible, not waiting until the last minute.

The Bowling Club was organized on Friday, October 7, and officers elected as follows: Gus Rusch, captain; Roy Currie, secretary; W. C. Zimmermann, treasurer, and members as follows: F. H. Holton, Walter Halliday, Julius Neubeck, Arthur Leidiger, Peter Nohos, Louis Manos, N. W. Perstein, Gunther Hunkel, Henry Marquardt and Robt. Zepnick. Some of these members have never bowled before but, according to the scores made at the last meeting, we expect to have some

record breakers before the end of the season.

Currie Bros. Co. have re-organized, having bought out the stocks of Adam Currie, who has been connected with this concern for many years. New officers were chosen as follows: Jas. Currie, president; Wm. Currie, vice-president; W. B. Currie, secretary, and Roy J. Currie, treasurer. They contemplate running the business the same as before at the old stand.

Holton & Hunkel Co. reports business very good. They are receiving a number of foreign shipments consisting of roses and azaleas, also quite a shipment of bulbs, which keeps the greenhouse force busy taking care of same. This concern is cutting some fine Perles which are selling readily and expect to cut mums in a few days.

C. C. Pollworth Co. reports business fine. They received a large carload of azaleas and are potting the same. This firm is cutting some exceptionally fine carnations of the Mrs. Ward variety and some fine mums.

Adam Currie and sons, Allister and Herbert, contemplate opening up a new store at 130 Wisconsin street. They expect to handle cut flowers and seeds and intend to be ready for business in a short time.

East Side Floral Co. are busy with their fall trade. They do quite an extensive business in the nursery line, trimming trees and shrubbery on some of the best places in the city.

Chas. Menger reports business satisfactory, having bought an additional piece of property adjoining his greenhouses and has put up a new house.

Edlefsen & Leidiger Co. report business very satisfactory. They are receiving quite a few carnations which are being cut at their own greenhouses, which are of a fair grade.

Theo. K. Sakell of the Emporium Floral Co., of St. Paul, Minn., was a visitor this week.

Mrs. H. V. Hunkel is visiting her mother at St. Louis.

G. R.

HOULTON, ME.—H. L. Chadwick has made quite an outlay on his buildings and stock preparing for his trade which has greatly increased, and he now commands a large share of Aroostook patronage.

Heavy Supply 'MUMS' Good Quality

PINK - WHITE - YELLOW

Try our White and Yellow Touse. They are sure to give satisfaction.

Send us your orders and get the BEST TO BE HAD.

We are also Strong on Roses

Beauties, Maryland, Bridesmaid, Pink Killarney, Richmond, Jardine, Bride, White Killarney, Kaiserin, Mrs. Marshall Field.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

All Saints' Day
Orders Now
Being Booked.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE
GROWER of CUT FLOWERS

Illinois State Fair.

The exhibition of cut flowers and floral work at the state fair held in Springfield, October 3-6, was very extensive and beautiful. Following are the awards for the several days:

Tuesday, October 4.

50 American Beauty roses—Poehlmann Bros. Co., Morton Grove, first; A. C. Brown, Springfield, second; Janssen Seed & Floral Co., Springfield, third.
50 Richmond roses—Poehlmann Bros. Co., first; A. T. Hey Floral Co., Maywood, second; Janssen Seed & Floral Co., third.
50 Mrs. Jardine roses—Janssen Seed & Floral Co., first.
50 Bride roses—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.
50 Bridesmaid roses—Janssen Seed & Floral Co., first; A. T. Hey Floral Co., second.
50 Killarney roses, pink—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.
50 Killarney roses, white—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; A. C. Brown, third.
50 any other variety roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.
50 Kaiserin Augusta Victoria roses—A. C. Brown, first; Janssen Seed & Floral Co., second.
50 My Maryland roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.
Best six varieties roses, 25 blooms each, American Beauties excepted—Poehlmann Bros. Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.
Collection dahlias, double, 25 blooms—Joe Hossman, Hillsboro, first; F. Janssen, Springfield, second; Geo. M. Brinkerhoff, Springfield, third.
Collection hardy perennials, 12 vases, each variety in separate colors—Geo. M. Brinkerhoff, first; Vaughan Seed Store, Chicago, second.
Collection of asters—Vaughan Seed Store, first; Janssen Seed & Floral Co., second; Geo. M. Brinkerhoff, third.
Collection of gladioli—Vaughan Seed Store, first; Geo. M. Brinkerhoff, second; A. T. Hey Floral Co., third.
Collection of chrysanthemums, greenhouse grown, 50 blooms, two varieties of 25 blooms each—A. C. Brown, first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.
Collection of chrysanthemums, outdoor grown, 50 blooms, two varieties of 25 blooms each—Janssen Seed & Floral Co., first.
Best 50 blooms, white carnations—Chicago Carnation Co., Joliet, first; A. C. Brown, second; A. T. Hey Floral Co., third.

Best 50 blooms, flesh pink carnations—Chicago Carnation Co., first; A. C. Brown, second; A. T. Hey Floral Co., third.

Best 50 blooms, light pink carnations—Janssen Seed & Floral Co., first; A. C. Brown, second; Chicago Carnation Co., third.

Best 50 blooms dark pink carnations—A. C. Brown, first; Chicago Carnation Co., second; A. T. Hey Floral Co., third.

Best 50 blooms, rose pink carnations—Janssen Seed & Floral Co., first; A. C. Brown, second; A. T. Hey Floral Co., third.

Best 50 blooms, scarlet carnations—Chicago Carnation Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.

Best 50 blooms, variegated carnations—Janssen Seed & Floral Co., first.

Best 50 blooms, White Enchantress carnations—Chicago Carnation Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

Best four vases, 50 blooms each, each vase of distinct variety carnations—Chicago Carnation Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

Best 100 blooms, carnations, any color, any variety, seedlings admissible—Chicago Carnation Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

Standing cross, 4 feet from bottom of base up—Wirth & Gaupp, Springfield, first; Geo. A. Kuhl, Pekin, second; Geo. M. Brinkerhoff, third; A. T. Hey Floral Co., fourth.

Wreath flowers on easel, 24 in.—Hans Schmalzl, Lincoln, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third; Wirth & Gaupp, fourth.

Best floral arrangement, set piece—Wirth & Gaupp, first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third; Hans Schmalzl, fourth.

Dinner table arrangement—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; A. T. Hey Floral Co., third.

Basket of chrysanthemums—A. T. Hey Floral Co., first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third; Janssen Seed & Floral Co., fourth.

Basket cut flowers—Hans Schmalzl, first; Wirth & Gaupp, second; Geo. A. Kuhl, third; Geo. M. Brinkerhoff, fourth.

Basket cut roses—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third; Wirth & Gaupp, fourth.

Bouquet roses—Janssen Seed & Floral Co., first; Geo. A. Kuhl, second; Wirth & Gaupp, third.

Bouquet various flowers—Wirth & Gaupp, first; Janssen Seed & Floral Co., second; Geo. A. Kuhl, third.

Flat bouquet or spray of roses—Hans Schmalzl, first; Wirth & Gaupp, second; Geo. A. Kuhl, third; Geo. M. Brinkerhoff, fourth.

Flat bouquet or spray of carnations—Geo. A. Kuhl, first; Wirth & Gaupp, second; Geo. M. Brinkerhoff, third; Hans Schmalzl, fourth.

Bridal bouquet—A. T. Hey Floral Co., first;

Geo. A. Kuhl, second; Janssen Seed & Floral Co., third; Geo. M. Brinkerhoff, fourth.

Corsage bouquet and usual accessories—Janssen Seed & Floral Co., first; Geo. A. Kuhl, second; A. T. Hey Floral Co., third; Geo. M. Brinkerhoff, fourth.

Wednesday, October 5.

25 American Beauty roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. C. Brown, third.

25 Richmond roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.

25 Perle roses, yellow—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

25 Mrs. Jardine roses—Janssen Seed & Floral Co., first.

25 Bride roses—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.

25 Bridesmaid roses—Janssen Seed & Floral Co., first; A. T. Hey Floral Co., second.

25 Killarney roses, pink—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; A. C. Brown, third.

25 Killarney roses, white—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.

25 any other variety roses—Poehlmann Bros. Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

25 My Maryland roses—Poehlmann Bros. Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

12 American Beauty roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. C. Brown, third.

12 Richmond roses—Poehlmann Bros. Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

12 Perle roses, yellow—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

12 Mrs. Jardine roses—Janssen Seed & Floral Co., first.

12 Bride roses—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.

12 Bridesmaid roses—Janssen Seed & Floral Co., first; A. T. Hey Floral Co., second.

12 Killarney roses, pink—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

12 Killarney roses, white—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

12 any other variety roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.

12 My Maryland roses—Poehlmann Bros. Co., first; A. C. Brown, second; Janssen Seed & Floral Co., third.

Thursday, October 6.

50 American Beauty roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable
stock, such as

'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$3 00
30 inch stems.....	2 50
24 inch stems.....	2 00
20 inch stems.....	1 50
15 inch stems.....	1 25
12 inch stems.....	1 00
Short stems.....	14 00 to \$6 00 per 100
Per 100	
Richmond, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00

Killarney, fancy.....	Per 100
select.....	\$8 00 to \$10 00
medium.....	4 00 to 5 10
Bridesmaid.....	4 00 to 5 00
Bride, fancy.....	8 00 to 10 00
medium.....	4 00 to 5 00
My Maryland, select.....	8 00 to 10 00
medium.....	4 00 to 5 00
Chatenay.....	5 00
Ivory.....	5 00
CATLEYA LABIATA, per doz.....	\$6 00

Gladioli, named varieties.....	Per 100
in mixture.....	\$4 00 to \$6 00
1 50 to 2 00	
Roses, our selection.....	3 00
Carnations.....	1 50 to 3 00
Valley.....	3 00 to 4 00
Easter Lilies.....	12 00 to 15 00
Sprengerl.....	25c to 35c per bunch
Asparagus Plumosus.....	35c to 50c
extra quality per bunch.....	
Fancy Ferns.....	\$1 50
per 1000.....	

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

50 Richmond roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.
50 Golden Gate roses or its sports—Janssen Seed & Floral Co., first.
50 Madame Chatenay roses—Janssen Seed & Floral Co., first.
50 Bride roses—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.
50 Bridesmaid roses—Janssen Seed & Floral Co., first; A. T. Hey Floral Co., second.
50 Killarney roses, pink—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.
50 any other variety roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.
50 Kaiserin Augusta Victoria, white—Janssen Seed & Floral Co., first.
50 My Maryland roses—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.
50 Mrs. Marshall Field roses—Janssen Seed & Floral Co., first.
50 Killarney roses, white—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.
Standing cross, 4 feet—Geo. M. Brinkerhoff, first; Wirth & Gaupp, second; A. T. Hey Floral Co., third; Geo. A. Kuhl, fourth.
Wreath flowers on easel—Hans Schmalz, Lincoln, first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third; Wirth & Gaupp, fourth.
Best floral arrangement set piece—Wirth & Gaupp, first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third; Hans Schmalz, fourth.

Pittsburg.

We have had several weeks of good business, but a sudden break took place according to a majority of the retailers during the past week—some report that it has been the slowest week of the season. Naturally, stock has piled up at a great rate—short roses are most in evidence, a great many going to the barrel. Beauties are a close second. Dahlias also have glutted the market, and even carnations have not cleaned up. The demand for violets and valley is fair. Only the early 'mums are in so far. The supply of lilies is now equal to the demand. All green stock is over plentiful, excepting Southern smilax and quite a few were caught with decorations which called for this material, but could not be obtained.

Jos. Jones has opened a nursery store on Liberty street. Joe says he will be an important factor in summer flowers next summer.

J. W. Dudley of Parkersburg, W. Va., was in town getting supplies for his new store which he expects to open at Huntington, W. Va. Mr. Dudley supplies Pittsburg with a great many Easter and Christmas blooming

"THE BUSIEST HOUSE IN CHICAGO."



GREAT many of our customers, who have been on our books for years, have standing orders with us. They know through experience that we can take care of them. A trial will give you the same experience.

Orchids, Valley, Violets, 'Mums, Beauties, Roses, Carnations, Smilax, Leucothoe Sprays, Sprengerl; Boxwood \$15.00 per 100 lbs. We guarantee satisfaction.

J. B. DEAMUD CO.,

L. D. Phone Central 3155

51 Wabash Ave., CHICAGO.

plants and states that this year he expects to be better off than ever.

C. A. Dunn, without doubt, had the most attractive float in the recent Washington Centennial Industrial parade. It was composed of long American Beauties, white and pink Killarney roses, lilies and sprengerl.

The Weaklin Co. had their opening at 130 S. Highland avenue on October 8. A magnificent display of beauties, orchids, etc., made an attractive invitation to the East End trade.

The McRae Jenkinson Co., who recently purchased the Eissner place says business is fully up to expectations. They will run a big crop of mums through this store.

Sam McClements recently met with an auto accident, being thrown through the wind shield.

The McKeesport Floral Co. is cutting quantities of Polly Rose and Pacific 'Mums.

Phillips & Seedan also had a very artistic float composed of palms and ferns.

The landlord is closing out the stock and fixtures of the Breitenstein Co.

Visitors: J. S. Crall, Monongahela, Pa.; B. Eschner, Philadelphia, Pa.; J. W. Dudley, Parkersburg, W. Va.; Misses Forbes and Donahy, Wheeling, W. Va.; Thomas Malbranc, Johnstown, Pa.; Edw. Bell, Franklin, Pa. J.

Providence.

The business continues to improve steadily as weddings and other social functions are quite numerous. Violets of the single varieties are coming in of good quality and enough to supply all demands. The cool, cloudy, changeable weather makes it extremely hard on roses, but there is not an overabundance of first class quality coming in at present. Richmonds sell readily; Killarney is a favorite, and fine blossoms of these are to be had, as well as My Maryland and Kaiserin. Carnations are getting more plentiful and the quality improving, as are chrysanthemums, and the demand is sluggish. Asters of a first class quality are scarce, but there is enough of orchids, gardenias, lily of the valley to supply all demand. Dahlias are very abundant, and green goods are in better demand, as asparagus and smilax are used at fall openings. The weather is delightful, clear and warm, with cool nights.

Mr. and Mrs. Frank E. Saunders recently celebrated their silver wedding at their home, 25 Burnett street, where they entertained their many friends. Five thousand asters were used in the decoration of the rooms.

E. Bornerey, manager for Mrs. William Butcher, has returned from a trip through England, Sweden, Germany and Holland.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: **DES PLAINES, ILL.**
Store: 51 Wabash Avenue **CHICAGO**
Mention the American Florist when writing

Percy Jones

60 Wabash Ave., **CHICAGO**

James Dillon, head gardener at Swan Point Cemetery, will speak before the Rhode Island Florists' and Gardeners' Club at their next meeting on "Shrubs and Evergreens and the Treatment Required."

Gabriel C. Berker has taken the greenhouses at 187 Harrison street, recently occupied by John M. Greene, who has purchased a farm at Auburn, R. I., where he is building a range of greenhouses.

William H. Tarbox, East Greenwich, has had a very successful season with his dahlias and asters. He has been shipping to the New York market 2,500 dahlias and 3,000 asters daily.

James Cranshaw has purchased a tract of land at Barrington and commenced to rebuild the houses he removed from his former place.

Joseph Kopelman is receiving congratulations on the addition of a daughter to his household. Mother and daughter are well.

The Burke Rose Co. reports satisfactory business since it took over the William Hay greenhouses on Dyer avenue.

William Jurgens of Newport was in town booking orders for cut lily of the valley, of which he makes a specialty.

W. E. Barrett Co., Providence Seed Co. and W. S. Pino all report busy times filling orders for bulbs.

F. Macrea's Sons are cutting fine Joseph Kopelman has planted 125,000 bulbs at his place at Oaklawn. This stock is to be used in his store in Providence.

giganteum lilies, for which they have ready sale.

William Grosvenor is about to erect a greenhouse on Beacon Hill, Newport.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Oct. 12.		
Roses, Beauty, extra select	3 50	
" " specials	3 00	
" " 36 in	2 50	
" " 30 in	2 00	
" " 18 in	1 50	
" " 15 in	1 25	
" " Short	1 00	
Per 100		
" Bride, Bridesmaid, select	3 00	8 00
" " medium	2 00	2 50
" Killarney, select	3 00	10 00
" " medium and short	2 00	2 50
" Kaiserin	3 00	10 00
" Mrs. Jardine	3 00	10 00
" Chateaufort	2 00	10 00
" My Maryland	2 00	10 00
" Perle	2 00	10 00
" Richmond	3 00	10 00
" Uncle John	3 00	10 00
" White Killarney, select	4 00	10 00
" " medium	2 00	3 00
Carnations	1 00	3 00
" fancy C. P.	4 00	
Chrysanthemums	2 00	3 00
Cattleyas	per doz., 4 00	6 00
Dahlias	2 00	4 00
Gladioli	3 00	5 00
Lilium Harrisii	per doz., 2 00	10 00
Lily of the Valley	2 00	4 00
Mexican Ivy	75	1 00
Adiantum	per 100, 75	1 50
Asparagus Plum, strings, each	60	75
" " sprays	3 00	4 00
" Sprengeri	3 00	4 00
Ferns	per 1000, 1 00	1 50
Smilax	1 50	2 00
Boxwood	15	00
Wild Smilax	per case, \$5 00	
Leucothoe	75	

Visitors: D. E. Newell, Attleboro, Mass.; George Hampton of J. G. Neidinger, Philadelphia; J. H. Cushing, Quindnick; — Chestham of H. F. Grinnell, Fall River, Mass., and Mr. Crosby of Franklin & Crosby, Danielson, Conn. G. A. J.

Nassau County Horticultural Society.

The dahlia show was held in Pembroke Hall, September 28. Some very fine blooms were shown and the hall was well filled with the numerous exhibits. Henry A. Dreer, of Philadelphia, made a great display of dahlias, showing more than 180 varieties, noticeable among which was that great novelty, Geisha, an immense flower of the peony flowered class. The children made a fine display of out door flowers. Following are the awards: Collection of 50 varieties, cup presented by Henry A. Dreer, W. Eccles, first; G. Barton, second; 24 cactus, J. Stanley Brown's prize, W. Eccles, first; G. Barton Sec-

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., **CHICAGO.**
Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market
60 Wabash Ave., **CHICAGO.**

A Few Desirable Stands For Rent.
See JOHN SINNER, Manager

A. L. Randall Co.
19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann
Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,
WHOLESALE FLORISTS
51 Wabash Ave., **CHICAGO.**
Long Distance Phone, Randolph 3619.

and; 12 cactus not over three years old, W. W. Rawson silver medal, G. Barton, first; W. Eccles, second; six cactus, G. Ashworth, first; G. Barton, second; 12 decorative, G. Barton, first; six decorative, G. Barton first; six show, G. Barton, first; 12 singles, G. Ashworth, first; J. Kirby, second; six singles, H. Gaut, first; G. Ashworth, second; vase of cactus, G. Barton, first; A. Golow, second; vase of decorative, G. Barton, first; vase of pompons, H. Gaut, first; vase of peony, flowered, G. Ashworth, first; H. Gaut, second; six peony, flowered, G. Ashworth, first; H. Gaut, second; vase of seedlings, J. Kirby, first; vase mixed cosmos, J. McDonald; vase pink cosmos, J. McDonald. Honorable mention was awarded to W. R. Marshall for 12 giant Allsea Craig onions and three heads of cauliflower; Geo. H. Peterson, of Fair Lawn, N. J., for two vases of new rose W. R. Smith; J. Reidenbach, for grand vase of gladiolus; W. Eccles, for vase of carnations, and Henry A. Dreer for display of dahlias.

NEWTON CENTRE, MASS.—The Misses McGrady held a grand opening at their flower store on Union street. They have a most attractive display of everything in the florists' line.

CATTLEYAS BRONZE GALAX per case. \$7.50

\$6 00 per doz.; \$40.00 per 100.

Can ship quantities on receipt of order.

The best Bronze Galax we ever had to offer our customers. It pays to buy them by the case. A sample shipment will convince you of the good quality of our Galax.

THE LEO NIESSEN CO.,

Business Hours: 7 a. m. to 8 p. m.
1209 Arch St.,

Philadelphia, Pa.

SAMUEL F. LILLEY

WHOLESALE FLORIST

5 South Mole Street
(Near Broad Street Station)

PHILADELPHIA, PA.

A good market, good stock, and satisfaction guaranteed.

Philadelphia.

TRADE IMPROVING.

There has been a decided change in the weather, and the sporty youths are now wearing long overcoats, partly for style, but in the main because they are comfortable. The drop in the temperature is sure to help the trade. It will bring the people who can afford to live where they please back to their city homes, where conditions are more agreeable than elsewhere during cold weather. Trade is steadily improving, but it is not yet what it should be. It may as well be now said that the insane infatuation of the people for the automobile races, with death's grinning specter in the foreground, has worked great injury to our business. But we do not think it is as bad here as in some other cities. We are not alarmists or pessimists, but it does seem that we are fast reaching an epoch coeval with that in which mothers and maidens were thrown to the lions and other wild beasts and the populace howled their applause. To thinking men and women the favor which brutal and barbarous sports are now given are shocking. We pride ourselves as being a Christian nation. Can we continue to calmly view the destruction of human life and the maiming and crippling of useful men and women merely as a pastime for the idle and profligate millionaires and their worthless scions?

NOTES

J. Walsh of J. Walsh & Sons, growers and retailers of Boston, Mass., was in this city on October 8. He visited the store of the H. F. Mitchell Co. to see his old friend Maurice Fuld. Incidentally, he encountered another old friend, the AMERICAN FLORIST.

The Leo Niessen Co. is handling an exceptionally fine quality of American Beauty and tea roses. They are also strong on early chrysanthemums and single violets.

John McIntyre left for New York on the afternoon of October 8. John's movements are mysterious, and it is suspected that he has something up his sleeve.

Edward Reid, who has been on an extended tour of the southern states, has returned home. He speaks in glowing terms of the hospitality of Dixie land.

Samuel Lilly is much pleased with his new location, No. 5 Mole street. Being now near to the Broad street station, he catches 'em coming and going.

Berger Bros. are now handling some of the best chrysanthemums seen in the market, as well as a good variety of other stocks.

William P. Ford, a leading wholesaler of New York City, spent a few hours here on October 8. Mr. Ford has

Wholesale Flower Markets

PHILADELPHIA, Oct. 12.		Per 100
Roses, Beauty, extra.....	15 00	25 00
" first.....	8 00	10 00
" Brides and Maids.....	1 00	5 00
" Killarney.....	1 00	6 00
" White Killarney.....	1 00	5 00
Asters.....	75	3 00
Cattleyas.....	50 00	75 00
Dahlias.....	1 00	3 00
Gladiolus.....	2 00	4 00
Lilium Harrisii.....	6 00	8 00
Lily of the Valley.....	2 00	4 00
Snappdragons.....	4 00	8 00
Adiantum.....	75	1 00
Asparagus..... per bunch, 50		
Smilax.....	15 00	20 00

PITTSBURG, Oct. 12.		Per 100
Roses, Beauty, special.....	12 00	15 00
" extra.....	8 00	12 00
" No. 1.....	4 00	6 00
" Bride Bridesmaid.....	1 00	6 00
" Chatenay.....	1 00	6 00
" Killarney.....	1 00	6 00
" My Maryland.....	1 00	6 00
" Richmond.....	1 00	6 00
Carnations.....	1 00	3 00
Asters.....	1 00	2 00
Chrysanthemums, per doz., 6 00		15 00
Dahlias.....	1 00	2 00
Gladioli.....	2 00	5 00
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	4 00
Sweet Peas.....	50	1 00
Adiantum.....		1 50
Asparagus Sprengeri, per bunch, 50		
" strings..... per string, 50		
" sprays..... per bunch, 50		
Smilax.....	15 00	
Cattleyas.....	60 00	

a fine country home and farm a short distance from here, and he usually stops off, going and coming, to greet old friends.

Berger Bros. are showing fine blooms of October Frost, Glory of the Pacific and other chrysanthemums.

Baltimore.

STOCKS NOT PLENTIFUL

Notwithstanding the rosy predictions of the high salaried weather sharks, this city has long suffered and is still suffering from drought. On October 6 there was a violent wind storm, and, as street watering had previously been prohibited by the water commissioners, the whole city was enveloped in a whirlwind of dust, almost equal to what is experienced in crossing the great deserts of Arizona. There was a slight rainfall on the morning of October 7, which temporarily laid the dust, but had no effect on the watershed which supplies Baltimore with water. It is satisfactory, however, to state that the weather is much cooler, which is favorable to business, and, if the people cannot get water to drink, there are various other concoctions that can be had at reasonable rates. Good flowers are not plentiful. Dahlias, which at this time loom large in the retail stores, are being largely received from the Vincent Farm at White Marsh. Though Baltimore and its suburbs have been practically burned up, Vincent's dahlia farm has been visited with copious rains, which illustrates and illuminates that old saying that "the Lord is good to His own." Notwithstanding the rosy predictions of weather sharp Alexandria and the dust-laying drizzle of October 7, the water department reported a decrease of 6,000,000 gallons. Mr. Quick, engineer in the water department, states:

BEAUTIES Roses, Lilies

We have quality, and prices are low.

The McCallum Co., Inc.
PITTSBURG, PA.

Asters, Gladioli, Beauties, Roses, Sweet Peas.

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, PITTSBURG, PA.

The Florists' Exchange...

729 13th Street, N. W.
WASHINGTON, D. C.

Solicit Consignments of First-Class Stock.
"Honesty Our Motto." Try Us.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

John W. McIntyre

WHOLESALE FLORIST.
Chrysanthemums, all colors.
1601 Ranscad St., PHILADELPHIA, PA.

"As it is, the rain did but little good as far as the water supply is concerned and conditions are still very grave."

NOTES.

Boyd G. Merritt of B. G. Merritt & Co., Grange, Ind., was in the "Exchange" October 7. This firm heretofore carnation growers, have recently taken up the culture of American Beauty roses with gratifying success. They may be said to be the pioneers in this line in the immediate vicinity of Baltimore, and their good work deserves more than passing mention.

On October 6 a jolly company of florists visited the estate of Wilbur Robinson and greatly enjoyed the hospitality dispensed. Among those present were John J. Perry, Isaac N. Moss, Chas. L. Seybold, F. C. Bauer, Harry Lehr, Geo. Eberle, Matthew Richmond and Charles Klutch. The resort is down on the shore and they were free from the dust and heat of the city.

At the greenhouses of Halliday Bros., North avenue and Pulaski street, where Matt. Richmond is foreman, we recently noted a very fine stock of carnations. There is also a good display of other mixed stock.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

While the business at both markets has been very good the past week, the return of summer weather has had a very deleterious effect on all grades of stock, and on some flowers, such as violets, the effect has been disastrous. Roses are very plentiful, and, with some of the growers, the best grades are selling slowly, but before the close of the day all grades are generally sold even if not bringing a remunerative price. Carnations of very fine grades are coming in plentifully. Chrysanthemums Monrovia has taken place of Golden Glow. Polly Rose is the best white, and as yet the pink varieties are not of the best. There is not much demand for them as yet and they are selling at low prices. Sweet peas, both pink and white, from the new greenhouse crop have made their appearance, and other flowers noted were lilies, violets, cosmos, tube roses, dahlias, bachelor's buttons and marguerites. A few asters are still offered, but they are the last of the season.

NOTES.

Penn's new store front is nearing completion and when finished promises to be one of the handsomest in town. Trade here has been quite brisk, with good call for orchids, lily of the valley and American Beauty roses. This concern had the work for the Gannon-Armstrong wedding at Meredith, N. H., with a staff of men on the ground two days installing the decorations.

Secretary W. P. Rich will represent the Massachusetts Horticultural Society at the exhibition and dinner of the Worcester Horticultural Society October 13, and will also visit the meeting and show of the New Hampshire Horticultural Society October 20-22.

The Massachusetts Horticultural Society has received from the Essex Institute of Salem a gift of a large lot of bound and unbound volumes of all American agricultural and horticultural papers, some of which date back more than fifty years.

The annual meeting of the Boston Flower Exchange will be held November 4, and, as has been the custom with the older market, will be opened with a banquet. It is expected that at least 80 will be present.

T. J. Clark is showing a new rose that is very popular with the best trade. It is not yet named, of a brighter shade than Killarney, much larger and more double and with a stem like American Beauty.

Hoffman's enlarged store is a beauty, and a notable feature was some large plants of *Celosia Thompsonii* Magnifica. The trade at the Back Bay is very

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON Oct. 12.		Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	15 00
" " culls	2 00	4 00
" " Bride, Bridesmaid	1 00	4 00
" " Extra	5 00	8 00
" Killarney and Richmond	1 00	6 00
" My Maryland	1 00	8 00
" Carnot	2 00	8 00
Carnations, select	1 00	2 00
" fancy	2 00	3 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Chrysanthemums	8 00	25 00
Gardenias	16 00	25 00
Lilium Longiflorum	6 00	8 00
Lily of the Valley	2 00	4 00
Violets	50	75
Smilax	12 00	16 00

ST. LOUIS, Oct. 12.		Per 100
Roses, Beauty long stems	15 00	20 00
" " medium stems	8 00	10 00
" " short stems	2 00	4 00
" " Bride, Bridesmaid	2 00	5 00
" Killarney	3 00	5 00
" My Maryland	3 00	5 00
" Richmond	4 00	5 00
Carnations	1 50	2 00
" fancy	2 50	3 00
Easter Lilies	10 00	12 50
Adiantum	1 00	1 00
Asparagus Sprengerii	2 00	3 00
Smilax	12 50	15 00

CINCINNATI, Oct. 12.		Per 100
Roses, Beauty	1 00	3 00
" " Bride, Bridesmaid	2 00	6 00
" " Golden Gate	2 00	6 00
" Killarney	2 00	6 00
" Richmond	2 00	6 00
Carnations	1 00	3 00
Callas	10 00	10 00
Daisies	50	50
Lilium Longiflorum	10 00	12 50
Lily of the Valley	3 00	4 00
Adiantum	1 00	1 50
Asparagus Sprengerii, per bch.	25	25
Smilax	12 50	15 00
Gladioli	3 00	4 00

MILWAUKEE, Oct. 12.		Per doz.
Roses, Beauty	50	3 00
" " Bride Bridesmaid	3 00	6 00
" Killarney	3 00	8 00
" Richmond	3 00	6 00
" Perle	3 00	6 00
Carnations	2 00	3 00
Gladioli	3 00	5 00
Lilium Giganteum, per doz., 2 00	12 50	12 50
Lily of the Valley	3 00	4 00
Magnolia	35	35
Snapdragon	2 00	4 00
Adiantum	1 50	1 50
Asparagus	50	60
" Plumosus, per bunch	35	50
" Sprengerii	35	35
Ferns, Fancy	1 50	1 50
Galax	1 50	1 50
Smilax	1 50	1 50
Violets	75	1 00
Mums	1 50	3 00
" Single and Anemone varieties, per bunch	50	50

good, with a wedding in prospect nearly every day.

A. W. Preston, president of the United Fruit Co., is developing a private estate of fifteen acres at Swampscott. He has completed a new range of glass for orchids and fine flowers.

John G. Forbes of Auburndale has offered his business for sale, which he is obliged to give up on account of ill health.

W. S. Phelps is sending in some high grade centaureas of all colors.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES!

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames.
All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping,
and Everything in the Green Line
—LOWEST PRICES IN THE CITY.—

George Cartwright is receiving large shipments of fine carnations, which are finding a ready market.

A delegation of the growers of the Flower Exchange attended the Brockton Fair October 6.

Galvin reports a brisk trade in progress, with lots of weddings on hand.

Caplan, on Massachusetts avenue, is having a large sale of Boston ferns.

Newhall, of N. Leominster, is a new grower in the market. W. T. H.

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our greenhouses in 7-in. and 8-in. pots, 2 to 3 feet tall.

Price, \$2.50 and \$3.00 each.

Julius Roehrs Company

Rutherford, N. J.

New York.

UNSEASONABLE WEATHER.

At the beginning of last week market conditions were very encouraging, all stocks arriving in good condition and sold readily at good prices, but on Wednesday the bottom seemed to have suddenly dropped out of business and is likely to remain so until the advent of more seasonable weather. The warm spell having a particularly bad effect on roses which are arriving in a very soft condition and have dropped in prices. Fine mums are now arriving but are not moving as fast as they might. Plenty of violets, gardenias and orchids are now seen and good blooms of the latter sell cheap. Great quantities of good dahlias are still arriving but more slowly.

NOTES.

The officers and directors of the greater New York Cut Flower Association of Brooklyn paid a visit to their different growers in Long Island October 11 in an auto. The party consisted of D. Y. Mellis, president; Hugo Jahn, vice-president; R. G. Wilson, treasurer; W. A. Philips, secretary; T. G. Van Miter, Chas. Weber.

There was a larger attendance of florists from Brooklyn at the auction rooms October 14 than from New York. The prices for which the different stock were sold could hardly be called good, particularly evergreens, which went at very low figures.

Chas. Dards had the decoration for the J. O. Havemeyer wedding at Yonkers October 8. The bridal bunch was made of white orchids and lily of the valley while the eight bridesmaids carried bunches of red roses.

John Raynor is in town for a few days and will celebrate his twenty-second wedding anniversary while here. He will then start on an auto tour through California.

Satow & Suzuki of Woodside, L. I., have just received a consignment of over 50,000 lily bulbs. They have three houses of poinsettias under way for the holiday season.

Jas. Mallon's Sons have completed alterations on their Smith street store and greenhouse in Brooklyn and are putting in a fine line of decorative stock.

The Yonkers Horticultural Society will hold their annual exhibit November 10. This society meets at Getty square every second Thursday in the month.

F. Zahn, Seventh avenue and One Hundred Twenty-fourth street, has been unusually busy with funeral work of late.

The latest acquisition of D. J. Papas is a new auto delivery car with glass sides which is quite an attraction.

Percy Richter, manager for Asmus at the Coogan building, won a \$2,000 auto on a 50c ticket last week.

Hales', of East Orange, report a very brisk wedding business for the past month.

A. L. Young has added to his staff H. R. Scommoda, formerly with J. Sharkey.

M. C. Ford is receiving some very fine mums from R. Leach, Jersey City.

Long Island Bowling Club score:

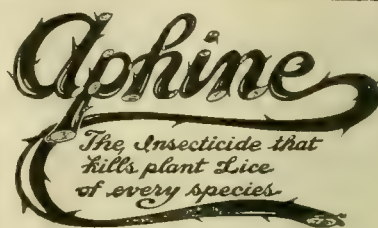
Donaldson	114	173	178
Dochreffer	147	135	139
Jacobson	152	130	140
Sleckwenn	170	153	125
Miesen	101	173	157
Einsman	143	165	186
Kessler	200	132	180
H. Siebrecht	124	140	145
W. H. Siebrecht, Jr.	166	118	118
Edmonson	109	109	144

New York Florists' Club.

The Florists' Club held their regular monthly meeting October 10, President Miller in the chair, and it was one of which the president and members might well be proud, there being an exceptionally large attendance of both ladies and gentlemen. Eleven new members were elected and ten proposed. Horace McFarland, of Harrisburg, Va., delivered a very interesting lecture with illustrations on the crusade against ugliness. John B. Nugent sprung a little surprise after the lecture in the form of a seven-piece orchestra and soloists, both instrumental and vocal, which were very much enjoyed. After refreshments were served, Miss Dorsal rendered some very beautiful solos, one being Annie Laurie, by request, which was greatly applauded. The meeting was dismissed after all present joined in singing America. A vase of Melody Roses, grown by Robt. Scott & Sons, Sharon Hill, Pa., were exhibited by the S. S. Pennock & Meehan Co., also a vase of Celosia Pride of Castle Gould by Harry Turner. The following members were elected: Geo. Wagner, E. T. Bloomfield, W. F. Shay, H. E. Philpott, Philip Einseman, R. W. MacNiff, Geo. W. Crawbuck, John Baumann, Fred Marquardt, John Collins, Emil Luely, and the following proposals for membership were received: Chas. Shuster, M. Kleimman, O. Bloomburg, Jas. Fenn, W. J. Moore, P. S. Rigby, M. C. Ford, W. A. Philips, John Graff, Wm. Taat.

The Morris County Florists' and Gardeners' Society, in conjunction with the Chrysanthemum Society of America, will give their annual chrysanthemum show at the Morris Co. Golf Club House, Convent Station, Morris-town, N. J., on November 2-4. Over \$3,000 in prizes will be offered.

The New York Florists' Club Bowling Association meeting on October 7, was largely attended, President J. Manda offering a pearl and diamond pin, valued at \$20.00, for the highest score during the season of seven months, only members who have paid their \$6.00 in advance being eligible



FOR "MUMS"

Aphine has no equal among the insecticides on the market today. It has no injurious effect when applied to either foliage or flower. It will not burn or stain, but will destroy insect pests to which chrysanthemums are susceptible.

Read what Mr. Fritz Bahr reports in the "Week's Work" on his experiments with Aphine from spring up to date, in the Florists' Exchange of October 8th.

\$2.50 per gallon; \$1.00 per quart.

For Sale by All Seedsmen.

Manufactured by

Aphine Manufacturing Co.
MADISON, N. J.

Pacific Coast Distributing Agents:
MACRORIE-MCLAREN COMPANY,
Crocker Building, San Francisco, California.

Mention the American Florist when writing

to compete. Vice-President Scott, offering \$5.00 in gold to the man with the best average up to January 1, 30 games must be rolled to qualify and the 30 best games count if more are rolled.

The following is the October 7 score:

Fiener	88	109	Marshall	124	112
Nugent	99	106	McArdle	134	110
Holt	119	120	Shaw	131	108
Manda	118	164	Smith	142	182
Berry	133	133	Scott	156	135

The prizes going to Manda and Smith.

Monday afternoon, October 10, the scores were as follows:

Donaldson	164	149	Fenrich	157	163
Irwin	158	105	Meisem	176	133
Manda	131	163	Kessler	182	140
Scott	129	149	Shaw	105	162
Faulkner	96	90	Moltz	107	126
Schultz	97	...	Rickards	104	68
Meiklejohn	81	44	Marshall	96	104
Handel	136	200	Totty	91	137
Fenrich	159	190	173		
Meisem	130	155	170		
Donaldson	149	180	170		
Einsman	175	144	166		
Moltz	84	123	84		
Irvin	127	126	162		

Meisem winning the prize of a gun-metal cigar case, value \$3.50, offered by the secretary.

Young & Nugent,

Telephone 2065-2066 Madison Square.
42 West 28th Street,
 To out-of-town florists
 We are in the Heart of **New York**
 And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.
 Telephones ³⁶⁴²₃₆₄₃₆₀₂₈ Maln. 162 Livingston St., BROOKLYN, N. Y.

OFFICIAL S. A. F. Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red
 Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
 Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
 Phones: 798 and 799.

NEW YORK

WM. P. FORD,

45 West 28th St., NEW YORK.

WHOLESALE FLORIST

Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited

Badgley, Reidel & Meyer, Inc.

(Successors to A. J. Guttman.)

Wholesale Florists, 34 West 28th St., NEW YORK.

PHONES ⁶⁶⁴₆₆₅ Madison Sq.

Consignments Solicited.



Give us a Trial
 We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

Mention the American Florist when writing

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
 Mention the American Florist when writing

— FLOWERS SHIPPED BY —

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum, sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited.

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Oct. 12.	
Roses, Beauty, special.....	8 00@25 00
extra and fancy.....	3 00@ 8 00
No. 1 and No. 2.....	1 00@ 2 00
Bride, Bridesmaid, special.....	4 00@ 5 00
extra and fancy.....	1 00@ 2 00
Killarney, special.....	4 00@ 5 00
extra and fancy.....	2 00@ 3 00
No. 1 and No. 2.....	1 00@ 2 00
Kaiserin, special.....	4 00@ 5 00
extra and fancy.....	2 00@ 3 00
No. 1 and No. 2.....	1 00@ 2 00
Carnations.....	1 00@ 3 00
Chrysanthemums... per doz..	1 50@ 6 00
Cattleyas.....	25 00@35 00
Dahlias..... per doz..	75@ 2 00
Hydrangeas.....	1 00@ 2 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	1 50@ 3 00
Violets and Gardenias vary so much that they cannot be quoted.	

BUFFALO, Oct. 12.	
Roses, Beauty, special.....	20 00@25 00
fancy.....	15 00@20 00
extra.....	10 00@15 00
No. 1.....	7 00@10 00
No. 2.....	4 00
Bride Maid, Killarney.....	2 00@ 8 00
Kaiserin.....	4 00@ 8 00
Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 50@ 2 50
Cosmos..... per bunch.....	15@25
Chrysanthemums.....	10 00@25 00
Dahlias.....	1 00@ 3 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Croweanum.....	75@ 1 50
Asparagus per bunch.....	35@ 50
Asparagus Sprengeri.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00

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All flowers in season. Consignments of first-class stock solicited.

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Receivers and Shippers of **FRESH FLOWERS.**

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You Ought to Know

THAT the steady growth of any company is the surest indication of the value of that company's stock and service. It takes the **Right Stock**, the **Right Price** and the **Right Service** to make the **Right Growth**.

With these facts in mind, a short history of the steady and healthy growth of the Geo. Wittbold Co. should be of the utmost interest to every buyer of plants and nursery stock. During the year 1857 George Wittbold, then only 25 years of age, came to Chicago from Hanover, Germany, where he was born, and entered into partnership with a Mr. Williams, the firm name being Williams & Wittbold. Mr. Wittbold had obtained a thorough knowledge of plant growing at the Royal Botanic Garden in Germany, and was well qualified for the responsibilities which he assumed here.

Williams & Wittbold had two places, Mr. Williams conducting one on what is now Fullerton avenue, while Mr. Wittbold's first glass was about where North avenue intersects Clark street, which was then some distance outside the city. At the close of the Civil War the partnership of Williams & Wittbold was dissolved, and in 1869 Mr. Wittbold acquired the land on which he lived and conducted his business for forty-one years, till death finally intervened. At the time of his purchase this was marsh ground, far outside the settled city limits. His contemporaries told him it was not worth the \$2,000 he agreed to pay for four acres, but by the time Mr. Wittbold had his marsh filled in he had many opportunities to turn his investment profitably.

All the time that Chicago was growing the Wittbold business grew with it. Where in the beginning only a little local trade was handled, in the course of time a big range of glass backed up two retail stores, and a large wholesale business was done, both in the

city and throughout the west. Mr. Wittbold brought up a family of five sons, each of whom possessed the father's aptitude for the business and all of whom at length became associated with it, assisting in its extension and eventually taking over the entire responsibility. Twelve years ago the George Wittbold Co. was incorporated, the founder occupying the presidency (whose place is now filled by former Vice-President Fred Wittbold on account of the recent death of Mr. Geo. Wittbold), but each of the other sons holding an interest, with Louis Wittbold as secretary and treasurer. Since that date the progress has been more rapid than at any time in the history of the business. A large nursery and greenhouse plant has been established at Edgebrook, Ill., where there is 70,000 square feet of glass, and 50 acres devoted to growing of all kinds of nursery stock. This is in addition to 70,000 square feet of glass in the main establishment on Buckingham place.

Such is the history of this corporation. Now, just a few words about the policy that has made this history of growth possible. You know, and we know, that there can be a great variation in the quality of plants and yet have them strictly up to specifications. Knowing this, we felt that each customer should be given extra good value, in addition to having every shipment exactly fulfill the specifications. That being the case, our constant aim and policy in the fifty-two years of our business has been "**good value given on every purchase.**"

Here is another fact that you should not lose sight of: Chicago, being centrally located, has the best railroad facilities in the United States. You will find that you will make a saving in express and freight rates and have the advantage of quick service if you place your order with us.



Edgebrook Nursery and Greenhouse Establishment of the Geo. Wittbold Co., Chicago.

OUR CATALOGUE OF NURSERY STOCK

Is now ready for distribution. Send for it today. The following are some of our offerings in

Hardy Herbaceous Plants. Each.

Achillea The Pearl.....	\$0.15
Aquilegia, Mixed Columbine.....	.05
Boltonia Asteroides (white).....	.05
Boltonia Asteroides (blue).....	.05
Coreopsis Lanceolata.....	.05
Callirhoe Lineariloba.....	.15
Callirhoe Involucrata.....	.15
Campanula (Canterbury Bell) Mixed.....	.10
Campanula (Canterbury Bell) blue.....	.10
Chrysanthemum Uliginosum.....	.10
Dielytra Spectabilis (Bleeding Heart).....	.15
Digitalis Mixed (Fox Glove).....	.05
Digitalis Mixed (Fox Glove).....	.10
Dianthus Chinensis.....	.08
Dianthus Plumarius (Garden Pinks).....	.10
Funkia Subcordata Grandiflora.....	.10
Funkia Sieboldiana, foliage variegated.....	.05
Golden Glow.....	.05
Gypsophila Paniculata (Chalk Plant).....	.20
Gypsophila.....	.20
Gallardia Grandiflora.....	.05
Hollyhocks, maroon.....	.10
Hollyhocks, pink.....	.10
Hollyhocks, scarlet.....	.50
Hollyhocks, yellow.....	.10
Hollyhocks, mixed.....	.10
Hardy Asters Top Sawyer (blue).....	.10
Hardy Asters white.....	.10
Hardy Asters Nora Augusta Rose (pinks).....	.10
Helianthus Pinnatifidus Magnificum.....	.05
Hemerocallis Fulva (Tawny Day Lily).....	.15
Hemerocallis Achroidea.....	.15
Hibiscus Moscheutos.....	.15
Hibiscus Crimson Eye.....	.15

	Each
Incarvillea Delavayi.....	\$0.05
Hibiscus Militaris.....	.15
Iris New Hybrid Alpine, Stewart, 8-in. high.....	.10
Iris New Hybrid Alpine, 8-in. high.....	.10
Iris New Hybrid Alpine, name not known, 14-in. high.....	.10
Iris New Hybrid Alpine, Milton, yellow and orange, 12-in. high.....	.15
Iris New Hybrid Alpine, Meteor, good purple, 10-in. high.....	.20
Iris New Hybrid Pumila Hybrida Formosa, violet blue, light blue, 14-in. high.....	.20
Iris Germanica, name or color not known.....	.20
Iris Germanica, S. and F., pale blue.....	.20
Iris Germanica, S. light purple, F. dark purple, white stripes, 24-in. high.....	.25
Iris Germanica, S. blue, F. dark purple.....	.25
Iris Germanica, Florentina Alba, 24-in. high.....	.15
Iris Germanica, Florentina Alba, 24-in. high.....	.25
Iris Germanica, Candicans, 30-in. high.....	.15
Iris Germanica, Mmc. Chereau, 36-in. high.....	.20
Iris Germanica, Flavescons, 24-in. high.....	.25
Iris Germanica, L'Avener, 24-in. high.....	.25
Iris Germanica, Bridesmaid, 30-in. high.....	.20
Iris Germanica, President Thiers, 24-in. high.....	.15

	Each
Iris Germanica, 26-in. high.....	\$0.25
Iris Germanica, Virgile, 26-in. high.....	.15
Iris Germanica, President Thiers, 24-in. high.....	.25
Iris Germanica, Florentina Purpurea, 24-in. high.....	.15
Iris Germanica, 24-in. high.....	.25
Iris Germanica, Czar Peter, 30-in. high.....	.25
Iris Germanica, Czar Peter, 30-in. high.....	.15
Iris Japan, 50 varieties.....	.20
Iris Kaempferi Pseudacorus, yellow.....	.15
Divisions of Iris from 2c up.	
Lilium Auratum.....	.15
Lathyrus Latifolius (Hardy Sweet Peas, pink).....	.05
Lethyrus.....	.15
Lathyrus.....	.05
Lychnis Chalcidonica.....	.10
Lychnis Haageana.....	.08
Monarda (blue).....	.05
Monarda (red).....	.06
Mintha Peperita (Peppermint).....	.05
Myosotis Alpestris (Forget-me-not).....	.15
Platyodon Grandiflora (blue).....	.15
Pentstemon, pink.....	.05
Papaver Orientalis (Oriental Poppy).....	.10
Pyrethrum (mixed).....	.05
Polemonium Caerulea fl. pl. (blue).....	.05

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If You Don't Need Them Now

You Will Soon Be Looking For

Good Boston Ferns To fill your orders for Fall Trade.

Now is the very best time to buy, as we are crowded for room to get in our outdoor stock before frost.

We have an exceptionally fine lot to offer at the following sizes and prices:

Nephrolepis Bostoniensis

Pot	Dozen	100
2½-in.	\$.50	\$ 4.00
3-in.	1.00	8.00
4-in.	1.50	12.00
5-in.	3.00	25.00
6-in.	6.00	45.00
7-in.	9.00	70.00
8-in.	12.00	90.00
9-in.	15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

Special Offer in Bostons

We have an exceptionally fine lot of 6-inch Bostons, on which we will make a special price of \$4.20 per dozen if ordered in dozen lots.



The following is a list of other stock we offer which you can depend upon as to good quality and value
Order Today and Avoid the Risk of Cold Weather Shipments.

Phoenix Canariensis.

	Each	Doz.
30 to 36-in. high, 8-in. tub.	\$2.50	

Phoenix Roebelenii.

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

	Each	Doz.
2-in. pots	\$0.25	\$3.00
3-in. pots	.50	6.00
4-in. pots	.75	9.00
8-in. tubs	4.00	

Araucaria Excelsa.

Pots	Tiers	High	Per Doz.
4-in.	2 and 3	8 to 10-in.	\$6.00
5-in.	3 and 4	12 to 14-in.	9.00
6-in.	4 and 5	18 to 20-in.	12.00

Aspidistra Lurida, Variegated.

15c per leaf.....plants, \$1.00 and upwards

Fern Balls (in leaf).

5 to 7-in.	per doz., \$3.00
7 to 9-in.	per doz. 4.20

Fine Ferns.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense, Pteris adiantoides, Pteris cretica albo-lineata, Pteris Ouwardi, Pteris serrulata, Pteris Wimsettii, Pteris tremulata, 2-in. pots, 40c per doz.; \$3.00 per 100.

Asparagus Plumosus Nanus.

	Per Doz.	100
2-in. pots	\$0.50	\$3.00
3-in. pots	.75	8.00
4-in. pots	1.50	12.00

Asparagus Sprengeri.

2-in. pots	per 100, \$3.00
3-in. pots	per 100, 6.00
4-in. pots	per 100, 12.00

Ficus Pandurata.

6-in. pots, 36-in. high	each, \$2.50
7-in. pots, 48-in. high	each, 3.50

Ficus Repens, Vine.

2-in. pots	per doz., \$0.50
3-in. pots	per doz., 1.00

Wandering Jew

Variegated or Tradescantia

2-in. pots	per doz., \$0.50
------------	------------------

Remember—This is only a small part of our immense stock.

Pandanus Veitchii.

	Each	Doz.
4-in.	\$0.50	\$6.00
7-in.	2.50	30.00

Kentia Belmoreana.

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.	100
2½-in.	8 to 10-in.			\$1.50	\$10.00
3-in.	12-in.			2.00	15.00
4-in.	14 to 16-in.	4 to 5	\$0.50	4.50	35.00
	20 to 22-in.	4 to 5	.75	8.00	
	22 to 24-in.	4 to 6	1.00	12.00	
6-in.	26 to 28-in.	6 to 7	1.50	18.00	
7-in.	28 to 30-in.	6 to 7	2.50	30.00	
8-in.	42 to 48-in.	6 to 7	5.00		
9-in.	54 to 60-in.	6 to 7	7.00		
	60 to 64-in.	6 to 7	15.00		

Kentia Forsteriana.

Pot	Height	Leaves	Doz.
2-in.	6 to 7-in.	3 to 4	\$1.50
3-in.	10 to 15-in.	4 to 5	2.00
4-in.	16 to 18-in.	5 to 6	4.50
			Each
5-in.	24 to 28-in.	5 to 6	\$0.75
6-in.	36 to 40-in.	5 to 6	1.50
7-in.	36 to 40-in.	6 to 7	2.50
8-in.	40 to 44-in.	6 to 7	3.00
9-in.	48 to 50-in.	6 to 7	5.00

Made-up Plants.

	46 to 48-in.	high, 3 in a pot, each, \$2.25	
Tubs	Height	Plants in tub	Each
8-in.	42 to 46-in.	4	\$ 5.00
9-in.	48 to 50-in.	4	6.00
10-in.	54 to 60-in.	4	10.00

Latania Borbonica.

Pot	Leaves	Height	Each	Doz.	100
3-in.	3 to 4	10 to 12-in.	\$1.50	\$10.00	
4-in.	4 to 5	12 to 15-in.	\$0.25	3.00	25.00
7-in.	7 to 8	20 to 24-in.	.75	9.00	
8-in.	7 to 8	24 to 28-in.	1.00	12.00	

Cocos Weddelliana.

2-in. pots, 15c each	\$1.75 per doz.
3-in. pots	2.50 per doz.

Areca Lutescens.

Made-up Plants.

Pot	Leaves	Height	Each
8-in.	12 to 20	30 to 36-in.	\$4.00

Pyramid Bays.

6 ft. 6 in. high, 24 to 30-in. wide	Pair \$20.00
7 ft. high, 34 to 38-in. wide	25.00

Standard Bays.

5 ft. 6 in. high, 24 to 26-in. crown	Pair \$15.00
6 ft. 6 in. high, 32 to 36-in. crown	20.00
Larger sizes	\$25.00, \$30.00 and 35.00

Nephrolepis Whitmani.

8-in. pots	\$1.50 each
Beautiful specimens	



DRACAENA FRAGRANS.

The above is one of our 75c plants.

Dracaena Fragrans.

	Each	Doz.
5-in. pots, 10 to 12-in. high	\$0.50	\$5.00
6-in. pots, 12 to 14-in. high	.75	9.00
7-in. pots, 14 to 16-in. high	1.00	12.00
8-in. pots, 16 to 20-in. high	1.50	18.00

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Well-established; that's one of the big things in favor of Heacock's Palms, and explains why they succeed where ever grown—from one side of the country to the other, even as far south as Mexico. Our Palms are a first-rate, all-the-year-round line for you to handle, and right now, when the demand is strong for good indoor stuff, Palms like this Kentia Belmoreana are bound to prove especially popular with your trade. At the price we are quoting, you can make a good profit handling them. The clean, healthy condition of this Palm is duplicated in every plant we send out—every one is vigorous, well-established, because grown here in our houses from the seed. We have a splendid stock and can ship on short notice. Order now—freight shipments cannot be safely made after cold weather, when all stock must go by express at a higher rate.

KENTIA BELMOREANA			
Pot	L'ves	high	Doz.
5-in.	6-7	18-in	..... \$6 00 100
			Each Doz.
6-in.	6-7	22-24-in	..... \$1 00 112
6-in.	6-7	24-26-in	..... 1 25 15
6-in.	6-7	26-28-in	..... 1 50 18
Pot or tub			
7-in.	6-7	34-36-in	..... 2 50 30
7-in.	6-7	36-38-in	..... 3 00
7-in.	6-7	40-45-in	..... 4 00
Tub			Very h'vy Each
9-in.	6-7	42-48-in	..... \$5 00
9-in.	6-7	48-54-in	..... 6 00
9-in.	6-7	5-ft	..... 8 00

CIBOTIUM SCHIEDEI
Ready Now. Stock limited
Tub Spr ad Each Tub Spread Each
9-in. 4-5-\$16 00 9-in. 6-ft. \$7 50

COCOS WEDDELIANA			
Pot	In	high	Per 100
2½-in.	8	to 10	..... \$10 00
2½-in.	10	to 12	..... 15 00

KENTIA FORSTERIANA			
Pot	L'ves	In. high	Each Doz.
6-in.	5-6	28-30	..... \$1 00 112
6-in.	6	34-36	..... 1 50 18
Made-up Kentia Forsteriana			
Tub or pot	Plants in pot	high	Each
7-in.	4	36-in.	\$1 50
7-in.	4	36-40-in.	3 00
Tub	Plants in tub		
9-in.	4	42-48-in.	\$5 00
9-in.	4	4-ft. h'vy	6 00

ARECA LUTESCENS			
Pot	Plants in pot	In. high	Each
6-in.	3	24 to 28	\$1 00
7-in.	3	30 to 32	2 00
8-in.	3	36	2 50
8-in.	3	42	3 00

PHOENIX ROEBELENI			
Nicely characterized.			
Pot	Each	Pot	Each
5 in.	\$1 00	7-in.	\$2 00
6-in.	1 50		



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Leucothoe Sprays,
Princess Pine, Etc.,

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Southern Wild Smilax

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Perpetuated and Natural Sheet MOSSES

Satisfaction guaranteed.

E. A. BEAVEN, Evergreen, Ala.

Sphagnum Moss

Dry; in burlap bales: size of bale, 16 by 16
inches by 4 feet long; average weight,
about 30 pounds. Price (cash with order):
Per bale 75c; 10 bales, \$6.50.

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\$1.00 per 1000

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Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Bronze and Green Galax \$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
15 Province Street and 9 Chapman Place,

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FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze \$1.00 per 100; \$7.50 per 1000
Boxwood per bunch, 35c; 50-pound case, \$8.50
Lod Moss, in barrels for hanging baskets \$2.00 per barrel

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38-40 Broadway, All phone connections. DETROIT, MICH.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

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Roan Mountain, Tenn.

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Established in 1857.



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"WILSON"

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Greenhouses: Short Hills, N. J.

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FROM NEW YORK EXCEPT AS NOTED.

October 18.

Kronprinzessin Cecile, N. Ger. Lloyd, Hoboken Pier.
Rotterdam, Holl.-Amer., Hoboken Pier.

October 19.

Lusitania, Cunard, Piers 54 and 56, North River.
Mandona, Fabre, Amity Dock.
Adriatic, White Star, Piers 60 and 61, North River.

President, Lincoln, Ham.-Amer., Hoboken Pier.
FROM BOSTON, Devonian, Leyland.
FROM BALTIMORE, Brelau, N. Ger. Lloyd,
Pier 9, Locust Point.

October 20.

George Washington, N. Ger. Lloyd, Hoboken Pier.
La Lorraine, French, Pier 4, North River.

October 22.

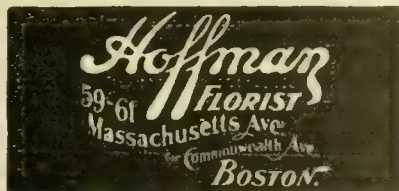
Arabic, White Star, Piers 60 and 61, North River.
Philadelphia American, Pier 62, North River.
Caledonia, Anchor, Pier 64, North River.
Amerika, Ham.-Amer., Hoboken Pier.
Finland, Red Star, Pier 59 North River.
FROM BOSTON, Canopic, White Star.
FROM PHILADELPHIA, Friesland, American,
Pier 54.

Grand Rapids, Mich.

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WILLIAM L. ROCK,
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ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

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We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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LEADING FLORISTS OF THE NORTHWEST.

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800. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

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JACOB SCHULZ,

550 So. Fourth Avenue,

*International
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1328 Broadway,
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Organized for prompt and efficient service to all parts of the civilized world.

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Atlanta Floral Co., 41 Peachtree St., Atlanta.

Baer, Julius, 138 E. Fourth St., Cincinnati.

Bertermann Bros. Co., Indianapolis, Ind.

Blackstone, 14th and H. Sts., Washington.

Boland, J. B., 60 Kearney St., San Francisco.

Breitmeyer's Sons, John, Detroit, Mich.

Cleveland Cut Flower Co., The, Cleveland, O.

Clark's Sons, David, 2139 Broadway, New York.

Cooke, Geo. H., Washington, D. C.

Crump, Frank, Colorado Springs, Colo.

Daniels & Fisher, Denver, Colo.

Dards, 44th and Madison Ave., New York.

Dunlop's, 96 Yonge St., Toronto, Can.

Eyres, 11 N. Pearl St., Albany, N. Y.

Fisher, H. A., Kalamazoo and Battle Creek.

Galvin, Thos. F., Inc., 124 Tremont St., Boston.

Gasser Co., The J. M., Cleveland, O.

Grand Rapids Floral Co., Grand Rapids.

Gude Bros., Washington, D. C.

Heiml & Son, John G., Terre Haute, Ind.

Hess & Swoboda, 1415 Farnum St., Omaha.

Hoffman, florist, Boston.

Holm & Olson, St. Paul, Minn.

International Floral Assn., New York.

Keller Sons, J. B., Rochester, N. Y.

Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

Lange, A., 44 E. Madison St., Chicago.

McConnell, Alex., 571 5th Ave., New York.

McKenna, Montreal, Can.

Malandre Bros., 2094 Broadway, New York.

May & Co., L. L., St. Paul, Minn.

Matthews, 16 W. 3rd St., Dayton, O.

Murray, Sam'l, 913 Grand Ave., Kansas City.

Myer, Florist, 609 Madison Ave., New York.

Park Floral Co., The, Denver, Colo.

Palmer & Son, W. J., 304 Main St., Buffalo.

Penn, the florist, 43 Bromfield St., Boston.

Phillips, John V., 272 Fulton St., Brooklyn.

Pollworth Co., O. C., Milwaukee, Wis.

Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.

Rock Flower Co., Wm. L., Kansas City, Mo.

Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.

Shaffer, 14th and I Sts., N. W., Washington.

Smith, Henry, Grand Rapids, Mich.

Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.

Texas Seed and Floral Co., Dallas, Tex.

Weber, F. H., St. Louis, Mo.

Walker & Co., F., 634 4th Ave., Louisville, Ky.

"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.

Wittbold Co., Geo., 737 Buckingham Pl., Chicago.

Wolfskill, J. W., Los Angeles, Calif.

Young's, 1406 Olive St., St. Louis, Mo.

Boston, Mass.



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Telegraph us and we will reciprocate. We cover all points in New England.

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Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

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We Handle Everything in Season.

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Orders will be carefully
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Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



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A. W. SMITH CO.

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Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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The Most Central Location in City.

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All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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FLORISTS.

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N. E. Corner 44th St.
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Calvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Jullan Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
Grand Rapids—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. Av.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg Flower and Plant Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
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New York—Dards, 44th and Madison Ave.
New York—International Floral Assn.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
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571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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304 Main Street.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
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**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

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FLORIST,**

Telegraph Orders
A Specialty. 218 W. 4th St.

Mention the American Florist when writing

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Canada's best known and most reliable florist

Only
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Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

MILWAUKEE, Wis.—Adam Currie, who for 31 years has been secretary and manager of the seed business of Currie Bros. Co., has severed his connection with the old firm to establish a new one, under the name of A. Currie & Co. The new company consists of Adam Currie and his sons, Allister and Herbert. They will conduct a general seed and flower business, together with all lines in connection therewith. The new place of business will be at 130 Wisconsin street.

The Virginia Seed Law.

Important changes in the rules regulating the sale of agricultural seeds under the new law were made yesterday by the state board of agriculture. Since the law went into effect on September 17, the department of agriculture has been working under the rules adopted by a committee of the state board.

Under the terms of the new law requiring the inspection of seeds offered for sale in this state, it was required that a certain standard be conformed to. Those seeds which had not more than the minimum of adulteration are entitled to be labeled "standard." It is found, however, that some dealers have been working off other seeds without putting the percentage of adulteration on them. They have adopted the practice of printing at the bottom of the label the statement that the seeds are not guaranteed, and that the purchaser must take his chances as to the contents.

The state board of agriculture would not stand for this condition. It was therefore decreed yesterday that nothing shall be printed on the labels save such matter as is authorized and required by the regulations of the board. This means that the nature of the adulteration and its percentage must be plainly printed on all labels, except as to "standard" seeds.

With this exception, the rules were left in the main as adopted by the committee.—Richmond Times-Dispatch, October 6.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CHICAGO—Prices on the board of trade October 12 for grass seed were noted as follows: Timothy, \$7.50 to \$8.50 per 100 pounds. White clover, from \$22 to \$27.

W. ATLEE BURPEE & Co., Philadelphia, Pa., are offering six new sweet peas for the season of 1911. A full description of these novelties will be found elsewhere in this issue.

WILKESBARRE, PA.—H. F. Michell & Co. of Philadelphia have been awarded the contract for furnishing 7,000 tulip bulbs to be used in the flower beds about the new court house.

Nebraska Crops.

Fremont, October 7.—Most of our sweet and field corn indicate fair crops, and we believe the quality will be good, although some varieties will be short, more especially the late kinds.

Cucumber, with a very few exceptions of the shy seeding varieties, indicate good yields and full deliveries.

Muskmelon, generally short with the exception of Rocky Ford, Netted Gem, Burrells Gem, Ferrys Defender, Osage Gem, Netted Rock, and a very few of the larger varieties, the other varieties ranging from very small deliveries to total failures.

Watermelon, fair crops and yields ranging from 50 to 100 per cent, with a few exceptions which will be total failures.

Pumpkin, Large Cheese, Small Sugar, Connecticut Field and Kentucky Field, probably full deliveries, and other ordinary varieties 25 to 50 per cent deliveries. Mammoth Potiron, King of the Mammoth and a few other varieties nearly failures.

Summer squash, nearly full deliveries with the exception of Early Summer Crookneck, Mammoth Summer Crookneck and Bush Fordhook, which will be very short.

Winter squash, very late and prospects poor. Marrows and Golden Hubbard about 50 per cent delivery. Improved Hubbard, Chicago Warty Hubbard, American Turban, Lows and Warrens Essex Hybrid, Burpee's Early Fordhook, Henderson's Delicata, Perfect Gem, Delicious, Mammoth Chili and Mammoth Whale very short.

Gourds, with the exception of the Nest Egg, very short or nearly total failures.

We find the crops we have grown under irrigation this past season will give us the best results.

WESTERN SEED & IRRIGATION CO.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

The Everett B. Clark Seed Co.
Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**
and Wisconsin.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910

VISITED CHICAGO: C. C. Massie, representing Northrup, King & Co., Minneapolis, Minn.; Einar Knutsson, representing Hjalmar Hartmann & Co., Copenhagen, Denmark; H. D. Garwood, representing the Ebbert Seed Co., Rocky Ford, Colo.

JOHANN HILLEBRAND, at one time with Vaughan's Seed Store, Chicago, and later with the Nebraska Seed Co., Omaha, Neb., died in Holland, October 10. Mr. Hillebrand returned to Holland some years ago and for a time represented various Dutch bulb growers in this country and started as a bulb dealer on his own account this season. He was well known to American growers of bulbs.





Stokes' Standard Cyclamen Seed

Stokes' Giant Pure White, Stokes' Giant White Red Eye,
 " Giant Crimson, " Giant Papilio or Butterfly,
 Giant Rose, " Rococo, Mixed.

Price of above: Per 100 seeds, 65c; per 1000 seeds, \$5.00.

Paper White Narcissus

Fancy grade, 1,250 to a case.
 Per 1000, \$8.25; 5,000 lots, \$8.00.

French Roman Hyacinths

WHITE

12 to 15 ctm., per 1000, \$24.00.

Tulips, Hyacinths, Narcissus

Let me know your wants.

STOKES' SEED STORE, 219 Market Street,
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TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
 CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
 Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
 Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
 Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most
 beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
 are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

FOTTLER, FISKE, RAWSON CO.

Cyclamen

New Crop Seed Just Arrived. Our grower in Eng-
 land makes a specialty of Cyclamen Seed; this strain
 is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN.

Brilliant. Deep crimson, extra.

Excelsior. White claret base

Grandiflora Alba. Giant pure white.

Mauve Queen. Mauve.

Mont Blanc. White.

Picturatum. Giant light rose, claret base.

The above varieties, 100 seeds, \$1.00; 1000 seeds, \$8.00.

Prince of Wales. Giant light red

Rosy Morn. Delicate rose, tinted claret base.

Giant Salmon King. Extra large, beautiful

salmon pink.

Sunray. Pink, claret base.

Finest Mixed. All colors.

Fottler, Fiske, Rawson Co.,

Faneull Hall Square, also 26 So. Market St.,
 BOSTON, MASS.

SINGLE HYACINTHS

Bedding bulbs, mixed varieties, separate colors, fine
 stock, \$14 per 1000 — pink, red, white, purple, blue.

Write or Wire Orders.

Jackson & Perkins Company

Wholesale Only.

NEWARK, NEW YORK.

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Canta-
 loupe, Watermelon, Squash and Pumpkin
 Seed; Sugar Flint and Field Seed Corns.

New Price List of My Celebrated
 WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received
 a copy please send for one. New crop of
 seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

Did you ever try to
 move a freight car? It's
 an awful job to get it
 started, but after you get
 it moving if you keep
 right on pushing it runs
 easy if it's on the level.
 But if the brake is on it's
 mighty hard work to get
 any results, for you are
 handicapped at the start.

Growing inferior Lily
 Bulbs is like pushing a
 freight car with the break
 on---you are handicapped
 to begin with. Get good
 bulbs---there are none too
 good---get them started
 right and you will find it
 easy sailing.

The Superior Assort-
 ment in *Horseshoe*
Brand Giganteum, size
 7-9 inches, is prepared
 exclusively for those who
 are willing to pay for a
 real good article. They
 are secured from only the
 very best fields in Japan;
 well packed, and will
 average a larger percent-
 age of blooms than any
 other brand on the
 market. The price is
 \$22.50 per case of 300
 bulbs. Just try them and
 count the blooms.

Catalog free.



**Ralph M. Ward
 & Company**

"Not How Cheap—
 But How Good."

12 WEST BROADWAY,

NEW YORK

Multiflorum, Formosum and
 Giganteum
 ready for immediate shipment.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.
Annual meeting at Grand Rapids, Mich.,
Sept. 27-29.

Notes on Mushrooms.

Just as soon as the summer's heat breaks down a little, we commence operations for mushroom growing; while mushrooms spring up fast enough once a bed is in bearing, the road to a bearing bed is not so short and operations begun now will bring a crop along with cold weather. Most growers avoid cropping in warm weather owing to attacks by various insects, and some on account of a slower market.

The most important part of the work now is to get the right manure and prepare it. This has been explained so often it seems tiresome to repeat it; yet it is the foundation of the whole thing and pains should not be spared. We always look to fresh manure from well-fed horses. There is a vast difference between manure, and that from well-grained horses is best. We never have used manure from sawdust or shaving bedded barns and would avoid it. We can get the right material in any quantity, and we haul enough at a time to build the desired amount of beds; pile it rather flat, and compact it thoroughly to prevent firing. It should be thoroughly damp but not so wet as to wring out any moisture. After heating sets in it must be carefully turned every few days, to prevent burning and to get it uniform.

While a good job may be done outdoors, an open shed is preferable as heavy rains cannot leach out our pile nor winds penetrate so deep. By shaking the manure thoroughly and always placing the inside part outside on the new pile, and the outside part to the inside, we will in a few weeks have a uniform body of dark color and rather mellow and sweet odor, quite the opposite from the original material. This is the aim—to reduce the heat and bulk without fire, fanging and to retain enough life for a low, long continued heat to feed our mushrooms. The whole process is very similar to making a good hot-bed.

While this is going on, the beds can be made up and whitewashed. Hot lime should be used freely around mushroom houses, whitewashing walls, beds and walks to destroy fungi and vermin. We do not find many mushroom beds under greenhouse benches, no doubt owing to difficulty of getting material in, to excessive heat on account of pipes, to excessive evaporation on account of air currents. Much the best results are obtained in separate sheds or buildings, which can be heated to the required temperature and closed against air. Yet some growers succeed admirably under benches. It is in this as with everything else—the man element is as important as the location or the material.

MARKETMAN.

Temperature for Lettuce.

This is a subject that has been debated a great deal and yet never settled, simply because no two places are alike and what one does is not applicable to another. We might answer off-hand that such a degree is most suitable which answer would really mean nothing as existing conditions must be met.

There are really two classes of lettuce growing. One has for its aim the production of the heaviest possible lettuce, thereby saving the cost of producing so many plants and replanting; the other is the quick kind, producing a small soft lettuce in a short time. These two classes require different temperatures. In order to get those heavy lettuces, weighing a pound each, a low temperature is needed to get ample root action and stocky growth. The other kind cares little for roots—it is top they want in the shortest time, hence they advocate more heat.

Then there is the aspect and kind of houses used. Heat and light should go in harmony; thus in a modern house, temperatures could be run a little higher without softening the crop, than could be done in an old fashioned dark house. The same is true in regard to weather. If we enter a dark spell of weather we always carry temperature low, to hold growth back, and make up for it in bright weather. A great deal can also be done by manipulating the night and day temperatures. Thus were we growing a heat-loving crop we would aim to have the night temperature go into effect as late as possible and the day temperature as early in the morning as possible—in other words—to lengthen the warm period. With a cool crop like lettuce, the opposite is the case. We always try to reduce the warm spell to a few hours at noon. This we accomplish by early ventilation, by withholding heat as soon as possible, and by late airing and late heating. Lettuce will stand a good deal of heat for a short period—say from eleven to two o'clock, if followed by a long cool spell to correct it.

This matter of temperature embraces the whole science of lettuce growing. The operator must harmonize between the soil used, the light at hand, the market catered to, the weather encountered, and no set rule can be given. The man must study out his conditions and find his own balance. The best growers carry low temperatures, which means about 45° at night and 60 to 65° in bright daylight. On the other hand there are men who consider every degree below 50° a damage to the crop. Some run as high as 55°. All the above remarks apply to Grand Rapids lettuce, which is now used almost exclusively. Head lettuce requires less heat and more air and 40° at night with 55 to 60° in day would be ample.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn
Mention the American Florist when writing

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession..	\$0.20	\$1.00
Lettuce, Grand Rapids. Big Boston.		
Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

— Cash with order. —

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Mention the American Florist when writing

RELIABLE SEEDS.

	Tr.
	Oz. pkt.
Bells, double Daisies, Longfellow, pink	\$3 00 30c
Snowball, white..	3.00 30c
Carnations, hardy garden, finest	
double mixed	2.00 25c
Myosotis, alpestris, Victoria compact	
blue	2.50 35c
Pansies, Special florists' mixture.....	4.00 50c
Pinks, double dwarf hardy garden mxd..	4.00 50c
Wallflower, extra dbl. dwl.. Bush mxd..	4.00 50c

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.
Mention the American Florist when writing

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.

— We Are Very Proud of Our —

CYCLAMEN

For years we have been trying seeds of the promising novelties. At the same time we have selected our choicest plants for seed parents. The resulting strain is one that will stand comparison with any other anywhere.

Our Plants Will Be in Magnificent Shape for Christmas

and we are already booking orders from those to whom we have sold in previous years.

FOR IMMEDIATE DELIVERY, TO MAKE ROOM, WE OFFER:

3-in. at 20c; 4-in. at 35c; 5-in. at 50c; 6-in. at 65c; 7-in. at \$1.00:

CYCLAMEN SEED, in Red, White, Pink and White, with Pink Eye, \$5.00 per 1000.

BEGONIAS

Begonias Lorraine and Agatha

2-in. at 12½c; 3-in. at 25c; 4-in. at 35c; 5-in. at 50c; 6-in. at 75c

Begonia President Taft

4-in. at 35c; 5-in. at 50c.

THE PARK FLORAL CO.

J. A. VALENTINE, President

1706 Broadway, DENVER, COLO.



ONE OF OUR CYCLAMEN HOUSES LAST DECEMBER.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

VISITED CHICAGO: Wm. Warner Harper, of the Andora Nurseries, Philadelphia, Pa.

DR. ROBERT T. MORRIS writes to the Nut-Growers' Association upon the necessity of having the work of the committee on nomenclature and classification well tabulated and put in form for ready reference.

AUBURN, ALA.—The annual inspection of the Alabama nurseries has just been completed, and the figures compiled by state horticulturist, P. F. Williams, reveal the fact that last year the nurserymen of the state had an aggregate stock offered for sale of 10,447,965 trees, shrubs and other plants. The extent of the business done by Alabama nurserymen is shown by the compiled figures; two nurserymen effect sales in every state in the United States, one in Canada and one other in every state but two.

The Purchase of Fertilizers.

The use of commercial fertilizers in Michigan is increasing very rapidly. In 1906 the manufacturers reported sales approximating 20,000 tons, while the sales for the present season will not be far from 40,000 tons. In 1908 there were 149 licensed brands on sale. This year there are 191 brands, an increase in only one year of 42 brands. The quality of the fertilizers has remained about the same for a number of years although there is a tendency upon the part of some of the manufacturers to put out more of the high grade goods.

In the fertilizer bulletin, No. 252, of last year, we pointed out that the high-grade fertilizers furnish the plant-food at a less cost per pound than the medium or low-grade goods. While the price per ton is somewhat higher the actual cost of the plant-food in the average high-grade fertilizer is for nitrogen eight cents per pound cheaper than in the low-grade goods and for available phosphoric acid and potash two cents per pound cheaper than in the low-grade goods. The highest cost for nitrogen, available phosphoric acid and potash in the high-grade goods was not greater than the lowest cost for the same in the low-grade goods.

In purchasing commercial fertilizers the point to be considered above all others is the cost of the plant-food per pound. The name of the manufacturer, brand name, or other advertising matter should receive attention only after it has been determined which brand furnishes the required plant-food for the least amount of money. The following rule will easily enable one to compute the cost per pound of the nitrogen, available phosphoric acid and potash in any fertilizer.

Nitrogen: Multiply the selling price per ton by 18 and divide result by the commercial valuation.

Available phosphoric acid: Multiply the selling price per ton by 5½ and divide the result by the commercial valuation.

Potash: Multiply the selling price per ton by 5 and divide the result by the commercial valuation.—Michigan Report.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

SPECIAL address for

Rhododendrons, Azaleas,
Magnolias, Conifers,
Forcing and Ornamental Trees,
Climbing Plants, Roses,
Clipped Box and Yews,
Bulbs, Etc., Etc.

Catalogue on application, post free.

L. GAARKEUKEN, Nurseryman,
Hazerswoude, Holland.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....	\$15 00 per 100
" " Pink.....	9 00 per 100
" " Red.....	10 00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr., CIVIL ENGINEER and
Landscape Architect
Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

MIDDLETOWN, N. Y.—Joseph Richards is building an addition to his greenhouse which his increased business has made necessary.

40,000 Evergreens

ORDERS TAKEN
Can ship at convenience of purchaser.

NORWAY SPRUCE

18 to 24 inches...5c each	3 to 4 feet.....10c each
2 to 3 feet.....7c each	4 to 5 feet 15c each

D. T. MCCARTHY & SONS,
Nurserymen, LOCKPORT, N. Y.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.
Write for List.

GILBERT H. WILD, Sargoxie, Mo.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veltchii**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

California Privet

2 year branched, 2 to 4 shoots, \$12.00 per 1000.
3 to 6 shoots, 15.00 per 1000.

No charge for cases or packing.

HENRY EICHHOLZ, Waynesboro, Pa

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

We would particularly call attention to the following **Three New Varieties** as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties,
\$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

General Collection of Hardy Phlox

Alblon (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Algae Adamson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf, pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzanvillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate pale rose mauve, with claret-red eye.

George A. Stroheim (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovannelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Bentsz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM
Hardy Lilies

Tenuifolium, Wallacei, Hansonii, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM
and **GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., **JERSEY CITY, N. J.**

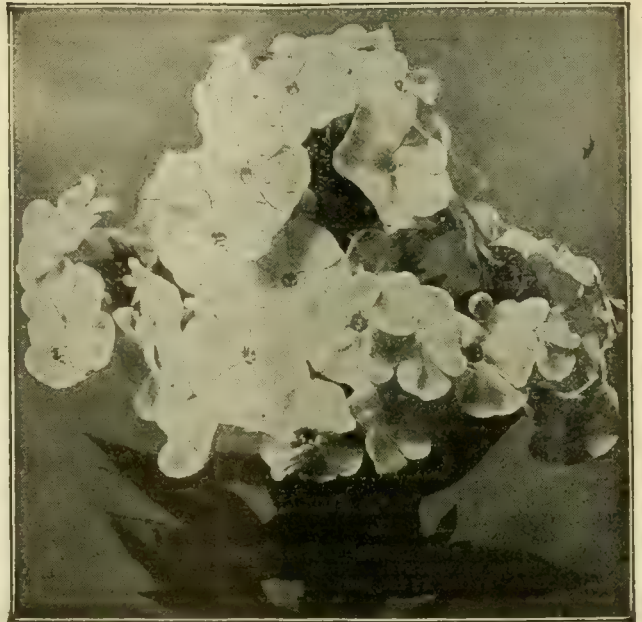
Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement page 504, Oct. 1 issue.



HARDY PHLOX.

Sacrifice Sale

We Want the Room

Heavy bench plants of **Asparagus Plumosus**, **Asparagus Sprengerii** Boston Ferns and Maiden Hair Ferns, 15c each. Worth 25c to 35c each.

Per 100
Asparagus Sprengerii, 2½-in. \$3.00
Smilax, 2½-in. 3.00

HELLER BROS. CO.,
New Castle, Ind.

SMILAX

3-in. \$40.00 per 1000.

Sprengerii 2-in., \$25.00
per 1000.

Poehlmann Bros. Co., Morton Grove, Ill.

Grand Rapids Greenhouse Co.,
The Leading Wholesale Florists
Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus Sprengerii

Good, Healthy Stock.

From 2½-in. pots. \$4.00 per 100
In 1000 lots. 3.50 per 100

HOERBER BROS.

51 Wabash Ave., CHICAGO
Mention the American Florist when writing

Nashville.

The advent of the cooler weather is hailed with delight by all the growers in this section, who see in it a forerunner of a good season and a plentiful supply of flowers. Trade has been very good in all channels and now that the social season is about to open will be better every day.

NOTES.

The Joy Floral Company are ever busy and have an abundant supply of flowers. While there is an abundance no one seems to have a surplus of either cut flowers or plants. The Joys have lovely orchids just now, which caters to their high class trade and will be in demand for the many fall wedding orders they have already booked, which will take place in the near future. The opening of the new million dollar Hermitage Hotel called for a lot of plants and flowers, and a big farewell banquet given there in honor of Joseph T. Howell, late president of the Fourth National Bank, who goes to New York to accept a responsible position with the Carnegie interests, gave to this firm a splendid order. The banquet table was a string of beauty, with Maryland roses, ferns and asparagus. They have plenty of fine roses, American Beauty, with handsome long stems, Maryland, Richmond, Bride, Kaiserin and Killarney. Their carnations, especially white and pink Enchantress and Perfection are large and fine.

Geny Bros. are still in their Tulane Hotel store, but are making preparations for their removal to the Fifth avenue store. They are cutting some fine flowers now. All during the week of our state fair they had yellow chrysanthemums the very first in the market and unusually early for this lo-

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great **Araucaria** Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Excelsa Glauca**, are in favor more than ever this year.



Belgium to protect and elect for my customers the best of **Araucarias**, **Azaleas**, **Palms**, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 35c, 50c, 60c, 75c \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, **Excelsa Glauca**, 6 in. pots, \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00 \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

This is our 25th anniversary since we began importing **Araucarias**. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in **Araucarias** and **Azaleas**. The trade is well informed that for many years past I go personally to

Kentia Belmoreana, 25 30-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.
Kentia Belmoreana, 2½ to 3 in., 10c each.
Cyclamen Grandiflora, best strain, 4-in., 15c.
Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, pale pink, 4-in., 25c; 6-in., 50c.
Our Ferns this year are exceptionally very fine.
Boston, **Scottii**, **Whitmani** and **Scholzeli**, 5½ and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00.

Pteris Wilsonii, in 6-in. pans, nice plants, 25c.
Neph. Todeoides, New London Fern, 2½-in., 5c; 3 in., 7c.

Special to Close Out: 4-in. **Whitmani** and **Scottii** Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Rubber Plants, 6-in. pots, 35c and 40c.
Asparagus Plumosus, 2½-in. 3c; 3-in., 5c; 4-in., 10c.

Asparagus Sprengerii, 2½-in., 3c.
Sago Palms, 6-7 8 in. pots, from 5 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.
Adiantum Hyb., 2½-in. pots, 5c; 3-in., 8c; and 4-in., 12c.

Frimula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Frimula Chinensis, 4-in. pots, \$10.00 per 100.
We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity, 3½-in. pots, strong, \$5.00 per 100.

Hydrangea Otakisa, pot-grown, 6 in., 25c.
Azaleas, good, well-shaped plants, **Deutsche Perle**, **Simon Mardner**, **Niobe**, **Van der Cruyssen**, **De Schryveriana**, 75c, \$1.00, \$1.25, \$1.50 and \$2.00.

Cash with order, please.
All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Mention the American Florist when writing

SMITH'S Chrysanthemum Manual

40c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

cality. This early crop of yellows sold rapidly, brought good prices and are all gone, but they have plenty more to follow of the very best known varieties. They have a good crop of **Harrisii** lilies now on, and their American Beauties are fine, also Killarney and other roses are coming in very satisfactory. The White Perfection and Enchantress and other carnations are most excellent.

Among their novelties are white snap-dragon, which meets with ready favor for filling in complimentary

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**, **Jaulin**, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitmani Ferns, 4-in. 25c each, 5-in. 35c.

Boston Ferns, 5-in. 25c each.

Vinca Var., 2-in. \$2.00 per 100.

Roses, **Bride** **Maid**s and **Gates**, **Killarney**, 3-in., \$5.00 per 100

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

boxes. In pots they have an abundance of ferns, always in ready demand, and a novelty in potted "Prince's Feather," which is pleasing for its very rarity grown in this way. M. C. D.

Seasonable Plants

Order Now Before Freezing
Weather Sets In.

Asparagus Plumosus Nanus , 2 in.	1000	Each	Dozen	100
2½ in.	\$25 00			\$ 3 00
	40 00			4 50
Araucaria Excelsa Glauca , 5 in. pots, 10 to 12 in. high, 2 to 3 whorls.	\$ 75		\$ 8 00	
6 in. pots, 14 to 16 in. high, 3 whorls.	1 25		14 00	
6 in. pots, 16 to 18 in. high, 4 whorls.	1 50		17 00	
Araucaria Robusta Compacta , 6 in. pots, 12 in. high, 3 to 4 whorls.	1 25		14 00	
6 in. pots, 14 to 16 in. high, 4 whorls.	2 00		22 00	
7 in. pots, 18 to 20 in. high, 4 to 5 whorls.	3 00		34 00	
Bay Trees , Standard or Tree Shaped, Stem about 45-48 in.; Crown 26 in.	7 50			
" " 46-50 in.; " 28 in.	8 00			
" " 45-48 in.; " 30 in.	10 00			
" " 46-54 in.; " 34 in.	12 00			
" " 46-53 in.; " 40 in.	15 00			
Begonia Gloire de Lorraine , 2½ in.	2 00		15 00	
4 in.	5 00		40 00	
Box Trees , Bush shaped. These do not come in tubs. 10 in. high.	30		3 00	20 00
12 to 15 in. high.	35		3 50	25 00
15 to 18 in. high, light.	40		4 00	30 00
15 to 18 in. high, heavy.	45		4 50	35 00
18 to 20 in. high.	75		8 00	
Odds and Ends in Standards and Pyramids. Write for particulars. Crotons, 7-inch 20-26 in. high.	1 25		12 00	
8-inch 24-30 in. high.	1 50		15 00	
Cycas , in full leaf.	\$1 00		3 00	
Cyclamen , 2½ in. per 100, \$4 00; 3-inch.	2 00		12 00	
Dracena Indivisa , 4-inch.	2 00		12 00	
Ferns , Assorted for dishes, 2½ in. (Our selection).	Per 10	Per 1000		
	\$3 50	\$25 00		
Ficus Pandurata , 24-inch high.	Each \$1 50	Each \$2 50		
30-inch high.	2 00	3 50		
Kentia Belmoreana , Size pots Leaves Height Each Doz. 100 4-inch 5 12-15 inch.	\$ 50	\$ 5 00	\$35 00	
5-inch 5-6 18 inch.	75	8 00		
6-inch 6 20 inch.	1 00	11 00		
6-inch 6 22-24 inch.	1 50	17 00		
7-inch 6-7 26-28 inch.	2 00			
7-inch 6-7 28-30 inch.	2 50			
10-inch 6-7 46-50 inch.	8 00			
Manetti , Dec. and Jan. delivery, English.	Per 100 \$1 50	Per 1000 \$12 00		
French.	1 75	13 50		



ASPARAGUS PLUMOSUS NANUS.

Kentia Forsteriana , Size pots Leaves Height Each Doz. 4-inch 5 15 inch.	\$ 50	\$ 5 00	
5-inch 5 20-24 inch.	75	8 00	
5-6-inch 5-6 26-28 inch.	1 00	11 00	
6-inch 5-6 28-30 inch.	1 50	17 00	
8-inch 6-7 36-38 inch.	3 00		
8-inch 6-7 38-40 inch.	3 50		
8-inch 6-7 44-48 inch.	5 00		
8-inch 6-7 52-55 inch.	6 00		
10-inch (tubs) 6-7 60-inch.	10 00		
Latania Borbonica , 8-inch pots, 7-8 leaves, 34-36 inch high.	Each 3 00	Doz. 100	
Peppers , Christmas, 5-inch.	\$ 2 00	\$15 00	
Phoenix Roebeleni , 5-inch.	\$1 25	14 00	
6-inch.	2 00		
7-inch.	2 50		

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.



Calla Bulbs..

Calla Bulbs, fine, 1 to 1¼-inch diameter \$3.00
per 100; \$25.00 per 1000 Ready to Ship.

BERRYDALE EXPERIMENT GARDENS,
Route 1, Box 54. HOLLAND, MICH.
Mention the American Florist when writing

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list. Per 1000
Paper White Grandiflora, fine stock. \$ 8.00
Empress, Double Von Sion or Princeps 10.00
Emperor. 12.00
Stella, Figaro, Cynosure. 2.00
Grand Monarque. 8.00

The Leedham Bulb Company, Santa Cruz, Calif.

Always mention The American Florist
when you order stock. . . .

A FEW SPECIALTIES IN BULBS

NARCISSUS. Emperor and Empress, selected Per 100 1000 double-nosed bulbs. \$1.75 \$15 00 Paper White Grandiflora, 14 cm., 1000 to the case. 1.25 11.00 Bicolor Victoria, selected double- nosed bulbs. 1.75 16.00 Golden Spur, selected double-nosed bulbs. 2.25 19.00 Double Von Sion, selected double- nosed bulbs. 2.25 19.00 Poeticus Ornatus, selected double- nosed bulbs. 1.00 7.50 Priniceps, selected double-nosed bulbs 1 25 9.50 Freesias , Bermuda-grown. Bulbs ¾ to 1 inch and up in diameter .75 6.00 Bermuda Buttercup Oxalis. Extra sized bulbs.75 6.00 Complete list of Fall Bulbs and Ferns sent free on application.	TULIPS. Per 100 1000 Keizerskroon. \$1.25 \$10.50 La Reine. 1.00 8.00 Rose Gris de Lin. 1.00 8.50 Rose Luisante. 1.75 14.50 Muriello. 1.25 10.00 Couronne d'Or. 1.75 14.00 Salvator Rosa. 1.75 14.00 Gesneriana Spathulata. 1.25 9.50 LILIUM HARRISII. Selected bulbs. The original true stock. Per case. Per 1000 6 to 7 inch, 350 to the case. \$17.50 \$45.00 7 to 9 inch, 200 to the case. 18.00 80.00 White Roman Hyacinths. Per 100 1000 Bulbs 12 to 15 cm., 200 to the case. \$2.75 \$25.00 13 to 15 cm. bulbs, 160 to the case. 3.00 28.00
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F. R. PIERSON CO., Tarrytown-on-Hudson, New York

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the
AMERICAN FLORIST. Get our Fall Bulb and Seed Catalogue, which if
you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,
342 W. 14th St., NEW YORK CITY.

NOW READY
1910 EDITION

Trade Directory.

Cleveland.

Dahlias are coming in in considerable numbers, all colors and of excellent quality, while gladioli are nearly done, very few arriving on the market. Asters are done, the last of the eastern stock arriving last week. Carnations are becoming more plentiful but not near enough to fill orders being obtainable. Roses are becoming more plentiful; Killarney is improving wonderfully, the demand for American Beauties has been very good, the supply being short. Chrysanthemums are in good demand right along, but not over-plentiful. The auto parade Tuesday during the Cuyahoga County centennial celebration was the occasion for an unusually heavy demand for chrysanthemums and asparagus and southern smilax, which was used quite extensively in the decorations of the automobiles. Good valley is having an excellent call and orchids of exceptionally good size and quality are on the market with fair demand. Cosmos finds a good sale and swainsona is in good demand. Boxwood sells readily, most of the retailers buying case lots with southern smilax on hand in cold storage to meet emergencies. Asparagus Plumosus and Sprengeri is plentiful now. Good fancy and dagger fern, and adiantum find a ready market.

On October 5 a party of about twenty-five retail florists of Cleveland and surrounding territory, as guests of Geo. W. Smith, of the Cleveland Florists' Exchange, visited the establishment of the Lamborn Floral Co. at Alliance, Ohio, for the purpose of inspecting the growing stock for the ensuing year, especially the American Beauties, Killarney and Richmond roses, of which this firm grows the best in this section. The trip well repaid those who went along, giving them an idea of the magnitude of this establishment and also of the quality which they produce. L. L. Lamborn and associates proved themselves able entertainers and the day was thoroughly enjoyed and all returned well pleased and satisfied with the time spent for both business and pleasure. The Lamborn Floral Co. is one of the best, if not the largest and most modern establishment of its kind between Chicago and New York. It has been common comment since this visit that the Cleveland Florists' Exchange will be headquarters for American Beauties and other roses for the coming season in this city, as they handle the entire output of the Lamborn Floral Co. The stock was in excellent shape which insures good cuts throughout the season. The same party will in the near future visit several other growers of the Cleveland Florists' Exchange among which will be some of the largest growers of carnations consigning to the Cleveland market.

Miss Nettie Heideman, formerly bookkeeper and cashier for the Cleveland Florists' Exchange, is back again after an absence of nearly two years, about one year of which she spent in the south at Chattanooga, Tenn. She will take up her old duties at the Exchange and be pleased to meet her many friends and acquaintances in the trade.

J. A. Smith, 8025 Wade Park avenue, has taken a partner and the firm is now known as the Smith & Hopkins Co., D. B. Hopkins having had a number of years' experience in the retail business. This ought to make a very strong business proposition as both are well known and full of push and energy.

A visit to the establishments of F. C. Bartels, A. M. Coe and The Gasser Co. was greatly enjoyed by C. F. Bastian, C. A. Woodman and Henry Renard. The stock of these places all show promise of a good crop, both in carnations and roses. A fine cut of chrysanthemums is also promised.

Pansy Plants Primroses

	Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50
Asp. Sprengeri, 2½ in. pots.....	2 00	
Vinca Var., from field.....	4 00	

—Cash,—

	Per 1000	Per 100
Chinese, 2¼-in. pot.....	\$12 00	\$1 50
Obc. Alba and Rosea.....	2 00	
Obc. Gigantea.....	3 00	

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS Rooted Cuttings

25,000 at \$10.00 per 1000—S. A. Nutt and A. Ricard.

Send for descriptive list.

B. E. WADSWORTH, Box 224, Danville, Ill.

TRADE LIST

CLEMATIS paniculata, strong plants, \$10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.
BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.
STEVIA dwarf, 4½-in. pots, \$1.00 per doz.
CROTONS, from 4-in. pots, \$2.00 per doz.; 3-in. pots, \$1.50 per doz.
AMPELOPSIS Veitchii, 4 in. pots, \$10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.
RUBBER PLANTS, 5-in. pots, 25c each; 6 in. pots, 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.
BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

ROOM! ROOM! At a Bargain.

We need the room and money; you can have special price 10% discount for all cash orders for a week up to Oct. 23

See Our Fern List.

Cyclamen, 2½-, 3-, 4- and 5-in.
Celestial peppers, 3- and 4 in.
Jerusalem Cherries, 3- and 4 in.
Prim-oses 2½-, 3- and 4 in.
Obconica, 2½-, 3- and 4 in.

Special

4-, 5- and 6 in. **Whitmani** at 25c, 50c, and 75c; and 8-in. **Bostons**, \$1.00.

GEO. A. RUHL, Pekin, Ill.
 Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax**. **Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.
 Mention the American Florist when writing

Ferns for Dishes

Per 100 Per 1000
 2½-in. Chinese Primroses, 3½-in. \$3 50 \$30 00
 500 at 100 rates. Cash with order.

FRANK OECHSLIN, CHICAGO
 4911 Quincy St.,

FERNS FROM BENCH

Boston, for 3-in. 6c.; 4-in. 10c.
Elegantissima, for 3-inch, 6c; 4-inch, 10c; 5-inch 12½c.
Whitmani, for 3-, 4- and 5-inch, 8c, 12c and 15c.
Amerpohli, 3-inch, 8c; 4-inch, 12c.
Scottii, for 3-inch, 6c; 4-inch, 10c
Runners, Boston *Elegantissima*, \$1.00 per 100. **Whitmani**, **Amerpohli**, \$1.50 per 100.
Snapdragon, Giant Yellow and Red, field-grown, \$1.00 per 100.
Rubbers, 4-in. 20c. 5-in., 30c.
Asparagus Sprengeri, 2-in., 2c.
Double Alyssum, 2-in. \$2.00 per 100.
Giant Pansies, Bugnot, Odier and Cassier mixture, \$2.50 per 1000.
Primula, Officialis Hybrids; Hardy sweet scented cowslip, 2-in., \$3.00 per 100.

PRIMROSES

All 2-in. fine stock.
Obconica Alba, Lilac, Rubra, Hybrida and Rosea, \$2.00 per 100.
Carminea, Sanguinea, \$3.00 per 100.
 Cash with order.

BYER BROS. Chambersburg, Pa.
 Mention the American Florist when writing

Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.
 Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

ASPARAGUS

Per 100
Asparagus Comorensis, 1-yr.-old clumps... \$5.00
Asparagus Elongatus, 1-yr.-old clumps... 5.00
 Fine stock for dividing up.

GEO. REINBERG, CHICAGO.
 35 Randolph Street,

Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR)

For repairing split carnations. 1000 for 50 cents
 Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

Wilson's Quality Stock

Per 100
Feverfew, double white, rooted cuttings. \$1.50
Marguerite, Queen Alexandra and Etoile d'Or, strong rooted cuttings. 2.00
Salvia, drooping spike, rooted cuttings. .50
Coleus, in all varieties, rooted cuttings. .50
Variegated Stevia and Variegated Sage, R.C. .75
Hydrangea Otaksa, elegant bushy plants, from 3 to 8 flowering stems. .8c per stem
Ficus Elastica, perfect plants, 24-30 in. 50c each
Fern Superbissima, elegant, 4-in., 20c; 5-in. 40c
Genista Racemosa, 2½ in. strong. 4c
Roses, Pink Killarney, extra fine, 3 in. 5c
 2½ in. 3c

J. S. WILSON FLORAL CO.

Box 663, Des Moines, Iowa.

Mention the American Florist when writing

Field-Grown Carnations

Per 100 Per 1000
Enchantress.....\$4.00 \$35.00
White Perfection.....4.50 40.00
Sarah Hill.....4.00 35.00
W. H. Taft.....4.00 35.00
Lawson-Enchantress.....3.50 30.00
Pink Lawson.....3.50 30.00
Variegated Lawson.....3.50 30.00
Victory.....3.50 30.00
Boston Market.....3.00 25.00
Pink Sport of Armzindy.....3.00 25.00
Mrs. E. A. Nelson.....3.00 25.00

This is all fine stock and satisfaction guaranteed

SCHEIDEN & SCHOOS,

Asbury and Warren Sts., EVANSTON, ILL.

Mention the American Florist when writing

CARNATION PLANTS FIELD GROWN

Scarlet Glow.....\$12.00 per 100
Shasta.....12.00 per 100
Golden Ray, clear yellow... 12.00 per 100

F. DORNER & SONS CO.

La Fayette, Ind.

Mention the American Florist when writing

First Aid to Rose Buyers

Fall Price List—200 sorts.

THE LEEDLE FLORAL COMPANY
 SPRINGFIELD, OHIO.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN, N. Y.

Huntington, N. Y.

The eighth annual exhibition of the Horticultural society was held October 3. The prize-winners in the plant classes were: H. T. & A. H. Funnell, J. R. McCullough, W. J. Matheson and Robert Kelley. In cut flowers, designs and bouquets the winners were Leander D. Hurd, August Heckschir, R. L. Conklin, Robert Kelley, H. C. Smith and Martin B. Smith. The judges were A. L. Miller of Brooklyn, Charles Leuker of Freeport and Henry Weston of Hempstead.

FOND DU LAC, WIS.—E. Haentze and Miss Louise Kleinknecht were married at Philadelphia, October 10.

GREEN BAY, WIS.—A Van Gemert, the west side florist, has just completed a new and up-to-date greenhouse 40x140 feet, which increasing business demanded.

Seasonable Stock

Bulbs

Adiantum Croweanum, strong 4 in. pot plants \$15.00 per 100

Kentia Belmoreana, 2½ in pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4 in. pot plants, 12-15 in. high, \$35.00 per 100; 5 in. pot plants, 15-18 in. high \$60.00 per 100.

Primula Sinensis Fimbriata, pink and red, 3 in. pot plants \$4.00 per 100.

Primula Obconica Grandiflora, pink, red and white, 2½ in pot plants, \$2.50 per 100.

Celestial or Christmas Peppers, 4 in. pot plants, \$10.00 per 100.

Nephrolepis Superbissima, Scholzei and Scottii, 5-in. pot plants at \$4.00 per doz., \$25.00 per 100

Nephrolepis Whitmanii, 5-in. pot plants \$4.00 per doz.; \$25.00 per 100.

Vinca Variegata, field grown at \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Mention the American Florist when writing

FIELD-GROWN

Dorothy Gordon Carnation

NOW READY

Strong, Clean, Stocky Plants,

\$12 per 100; \$100 per 1000

JOSEPH HEACOCK CO., Wyncote, Pa.

Mention the American Florist when writing

A New Fern

NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRAS,
 463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

VIOLETS

Per 100 Per 1000
 Gov. Herrick, Princess of Wales, fine
 field grown plants.....\$5.00 \$45.00
 Lady Campbell.....4.00 35.00

Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengeri.

2½ in. \$2.00 per 100; 300 for \$5.00

Celery and Cabbage Plants.

Best varieties \$1.00 per 1000; \$7.50 for 10,000

Parsley, double curled \$1.50 per 1000

J. G. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

HOLLY

Have 7 years experience packing holly in cases, 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing
T. J. EUBANK, Brown's Store, Va.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the Best.

S. A. Nutt, \$11.50 per 1000.

Poltevine, 14.00 per 1000.

Ricard, 14.00 Per 1000.

Grown right. Rooted right.

Packed right. Named right.

All sold until November. Better get your order placed for November delivery.

Coleus. Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice,

A. M. HERR,

LANCASTER, PA.

Field Grown Carnation Plants

We offer the following at a very reasonable price:

Winsor, Victory, Winona, Pink Enchantress.

Hoerber Bros.

51 Wabash Ave., CHICAGO

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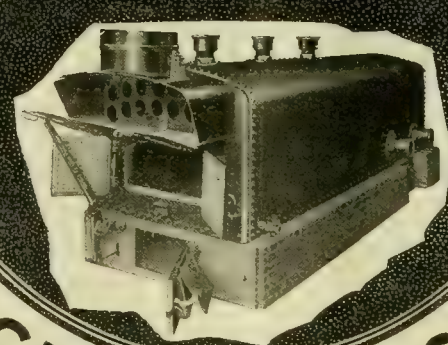
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This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make

Send for catalogue



KROESCHELL BROS. CO. 452 West Erie St. CHICAGO, ILL.

WILL SHIP WHEN WANTED **PAY AFTER BOILER REACHES YOU**

Greenhouse Heating

Is a Perplexing Question to all Florists

Except Those Using

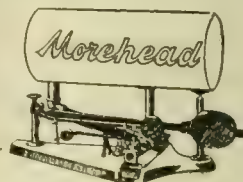
Morehead Steam Traps

¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist.

¶ It is further evidence of good management, for the 'Morehead' is an investment in both satisfaction and economy.

¶ The majority of florists are using Morehead Traps. If you are one of the exception it will be to your interest to write us—we will make you a liberal trial offer proposition.

¶ By way of getting acquainted, just send your name and address and ask for 'Trap Book.'



MOREHEAD MFG. CO. Department "N" **Detroit, Mich.**

NOW READY Trade Directory

FLORISTS, NURSERYMEN, SEEDSMEN

THE 1910 EDITION

—PRICE, \$3.00 POSTPAID.—

AMERICAN FLORIST CO., 324 Dearborn St., **CHICAGO**

Ready Reference Section.

10 CENTS PER LINE, NET.



ACHILLEA.

ACHILLEA "THE PEARL." Field-grown clumps, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

AMPELOPSIS.

AMPELOPSIS VEITCHII, 2½-in., fine stock, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ampelopsis Veitchii, 4-in., \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucaria excelsa glauca and A. robusta compacta. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 6-in., 50c each. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$5 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Sprengeri, 2½-in., 2c; 3-in., 4c; fine 4-in. stock ready for benching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2-in., \$3 per 100; \$25 per 1,000; 2½-in., \$4.50 per 100; \$40 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengeri, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2-in., Asparagus Sprengeri, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Sprengeri, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Araucarias. McHutchison & Co., 17 Murray St., New York.

AZALEAS.

Azaleas, Deutsche Perle, Simon Mardner, Niobe, Van der Cruyssen, De Schryveriana, 75c to \$2 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Lorraine and Agatha, 2-in., 12½c; 3-in., 25c; 4-in., 35c; 5-in., 50c; 6-in., 75c. President Taft, 4-in., 35c; 5-in., 50c. The Park Floral Co., 1706 Broadway, Denver, Colo.

Begonia Gloire de Lorraine, 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$3.50 per doz., \$25 per 100; 4-in., \$5 per doz., \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, and Lonsdale, 4-in., 25c; 6-in., 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 4-in., \$1 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Box trees. For sizes and prizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs. Paper White Grandl, \$8 per 1,000. Empress, dbl. Von Sion or Princeps, \$10. Emperor, \$12. Stella, Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Callas, 1 to 1¼-in., \$3 per 100; \$25 per 1,000. Berrydale Exp. Gardens, Holland, Mich.

Bulbs, Japanese lilies, Formosum, Giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conrad Co., West Grove, Pa.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, of all kinds. Henry F. Mitchell Co., Philadelphia.

Bulbs, of all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, all kinds. Stokes' Seed Store, 219 Market St., Philadelphia.

Bulbs. E. S. Miller, Wading River, N. Y.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

CANNAS.

Cannas, fall or winter delivery. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Enchantress	100	1,000
Winona	6.00	50.00
Aristocrat	4.00	35.00

DesPlaines Floral Co., DesPlaines, Ill.

FIELD-GROWN CARNATIONS.

Medium Sized Plants.

	Per 100	Per 1,000
Victory	6.00	50.00
White Lawson	6.00	50.00
Pink Lawson	6.00	50.00
Winsor	5.00	45.00

WIETOR BROS.,

51 Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

Boston Market	\$3.50 per 100
Lawson	4.00 per 100
Euchantress	4.00 per 100
A. W. Meyer	South Holland, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Schelden & Schoos, Asbury and Warren Sts., Evanston, Ill.

Carnations, Scarlet Glow, Shasta, Sangamo, Mary Tolman, Conquest, 1st size, \$8 per 100; 2nd size, \$6. Vaughan's Greenhouses, Western Springs, Ill.

Carnation Sangamo, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 35-37 Randolph St., Chicago.

Carnations. F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CELOSIA.

Celosia Pride of Castle Gould, 7 and 8-in. pots, \$2.50 and \$3 each. Julius Roehrs Co., Rutherford, N. J.

CHRYSANTHEMUMS.

Chrysanthemums, 7-in., \$1.50 each; \$12 per doz.; 8-in., \$2.50 each; \$20 per doz. Larger plants, 10 and 12-inch. Vaughan's Seed Store, Chicago and New York.

CHRYSANTHEMUMS, hardy, fine pink, yellow, red, field-grown, \$3.50 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Chrysanthemum, Jennie Nonin, fine 2½-inch, \$2 per 100; \$15 per 1,000. Geny Bros., 712 Church St., Nashville, Tenn.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cinerarias, 2½-in., \$2 per 100; 3-in., \$3 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

COLEUSES.

Coleus, assorted varieties including Vershaefeltii, 2½-in., 2c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, all vars., R. C. 50c per 100. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, 7-in., \$1.50 each; \$15 per doz.; 8-in., \$2 each; \$18 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 4-in., \$2 per doz.; 3-in., \$1.50. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CYCLAMENS.

Cyclamen, 3-in., 20c; 4-in., 35c; 5-in., 50c; 6-in., 75c; 7-in., \$1. Seed white, pink and white with pink eye, \$5 per 1,000. The Park Floral Co., 1706 Broadway, Denver, Colo.

Cyclamen Persicum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, finest giant strain, good stocky plants, 7 colors, mixed, 3-in., 7½c. J. L. Schiller, Toledo, O.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias. Pape & Bergman, Quedlinburg, Germany.

DAISIES.

Marguerite, Queen Alexandra, Etoile d'Or, R. C., \$2 per 100. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Giant double daisies, mixed, 30c per 100; \$2 per 1,000. Chas. Frost, Kenilworth, N. J.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena Massangeana and Lindenli, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Clotium Schedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns from benches, Boston. Elegantisima, 3-in., 60c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scott, 3-in., 6c; 4-in., 10c. Runners, Boston, Elegantisima, Scott, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantisima, 3-in., 10c; 2½-in., 5c. Ferns from bench, Boston, Pierson, Whitman and Elegantisima, ready for 6 to 10-in. pots, 40c to \$1 each. Mosbæk Greenhouse Co., Onarga, Ill.

FERNs, from bench, ready for 4-in. pots, Boston, Elegantisima, Pierson, Barrows, extra nice stock, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz., 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. O. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, assorted for dishes, 2½-in., (our selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Neph. Glazrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glazras, 463 Summit Ave., West Hoboken, N. J.

Fern Superbissima, 4-in., 20c; 5-in., 40c. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FIGUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus elastica, 50c each, 24-30 ins. J. S. Wilson Floral Co., Des Moines, Ia.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vlaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, 10,000 Beaute Poitevine from 2½-in. pots, immediate delivery, \$1.75 per 100; \$15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 2½-in., standard varieties, \$3 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, R. C., \$10 per 1,000; Nutt and Ricard, B. E. Wadsworth, Box 224, Danville, Ill.

Geraniums, standard sorts, \$2 per 100; \$18 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, leading varieties. E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs. \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$8.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Perennials, strong, well rooted, field-grown stock:

Chrysanthemum Maximum.....	100.	1,000.
Coreopsis lanceolata	\$5.00	\$45.00
Dianthus barbatus (sweet williams) ..	5.00	45.00
Gaillardia grandiflora	4.00	35.00
Hollyhocks, dbl., red, white and yellow	5.00	45.00
Palmgren's Nurseries.	Glenview, Ill.	

IRIS GERMANICA Honorabilis, Atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Virgils, Waineri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope Centesieur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Arboreascens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 3 to 8 stems, 8c per stem. J. S. Wilson Floral Co., Box 669, Des Moines, Ia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, heavy, field-grown plants, \$8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Finest grades of pipe grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MANETTI.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, rhododendrons, azaleas, magnolias, conifers, ornamental trees, climbing plants, roses, box and yews, bulbs, etc. L. Gaarkken, Hazerswoude, Holland.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Norway Spruce, 18 to 24 ins., 5c each; 2 to 3 ft., 7c; 3 to 4 ft., 10c; 4 to 5 ft., 15c. D. T. McCarthy & Sons, Lockport, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, Room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, giants, Masterpiece, Bugnot, Mme. Perret, Prize Trimaradeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Kenilworth strain of Giant Pansies, 50c per 100; \$3 per 1,000. Chas. Frost, Kenilworth, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Pansies, open frame-grown, stocky plants. TRIMARDEAU, mixed, 50c per 100, \$3.00 per 1,000; GOLD MEDAL mixed, 50c per 100, \$4.00 per 1,000. J. L. Schiller, Toledo, O.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansies, open frame grown, stocky plants. Trimardeau and Vaughan's Giant Mixture, 50c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel., 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Robeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms. Young Ptychosperma Alexandrea seedlings in surplus. Make us offer for quantity you need, per 100 or 1,000, postpaid. Royal Palm Nurseries, Oneco, Florida.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Kentias. McHutchison & Co., 17 Murray St., New York.

Palms. Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veltchil, \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies. McHutchison & Co., 17 Murray St., New York.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacobs Smits, Ltd., Naarden, Holland.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PEPPERS.

Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primula Chinensis: Purpurea tim. Alba Magnifica, Kermesina Splendens, Pyrope and Corulea. We import our own seed direct from the best European specialists. Strong 2-in. plants that need shifting, \$2 per 100; \$20 per 1,000. Cash. N. E. Beck, Massillon, O.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 50c or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weebawken P. O., N. J.

Primroses, Chinese and Obconica, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$12 per 1,000; \$1.50 per 100. Obc. alba, and rosea, \$2 per 100. Obc. gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

California privet, 2-yr., 2 to 4 shoots, \$12 per 1,000; 3 to 6 shoots, \$15. Henry Eichholz, Waynesboro, Pa.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacobs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100 delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots. White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Nell, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Vellchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Three-year-old Richmond plants from the field, \$8 per 100. Good stock for benching now. C. C. Polworth Co., Milwaukee.

Roses, Pink Killarney, 3-in., 5c; 2½-in., 3c. J. S. Wilson Floral Co., Box 663, Des Moines, Ia.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, White Killarney, \$50 per 1,000. Pink Killarney, \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, McHutchison & Co., 17 Murray St., New York.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses, Chas. H. Totty, Madison, N. J.

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Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Mon, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$5. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

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Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Vaughan's giant-flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas. For varieties and prices see page advertisement elsewhere in this issue. W. Atlee Burpee & Co., Philadelphia.

Seeds, cucumbers, cantelope, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seed for Sale—Lobelia Cardinalis, 1910 crop. Price \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

Seeds, cauliflower, cabbage, mangold, Swede, turnip, Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, onion, lettuce, radish, sweet peas, etc. Pleters-Wheeler Seed Co., Follister, Calif.

Seed, crimson clover. J. Bolgiano & Son, Baltimore, Md.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

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Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, nigunette, verbena. Wauo Roubert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

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Smilax, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

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Snapdragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Spireas. J. Smits, Ltd., Naarden, Holland.

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Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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Strawberry plants, strong and well rooted stock, August Luther, Bride of Michigan, Brandywine, Senator Dunlap, 50c per 100; \$4 per 1,000. Palmgren's Nurseries, Glenview, Ill.

Strawberry plants, Strong young Senator Dunlaps, 50c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley: 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Rhubarb, strong, transplanted 2 yr., \$5 per 100; \$45 per 1,000. Palmgren's Nurseries, Glenview, Ill.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Grand Rapids lettuce plants, 20c per 100 by mail; \$1 per 1,000 by express. S. J. McMichael, 142 Larkins St., Findlay, O.

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For Sale—3,000 field-grown vinca plants, \$5 per 100; \$45 per 1,000; or \$125 for 3,000. Gus Johnson, 306 E. Springfield Ave., Champaign, Ill.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

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Violets, field-grown, Princess of Wales, fine stock, \$5 per 100; Marie Louise, 2½-in., \$2.50 per 100; \$20 per 1,000. Lampert Floral Co., Xenia, O.

2,000 Gov. Herrick Violets, strong plants, 2-in. pots, \$2 per 100; \$15 per 1,000. Shore & Haigh, Evart, Mich.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, Princess of Wales, field-grown, \$5 per 100. H. Madsen, 395 New Bridge St., West Springfield, Mass.

Violets, California, \$45 per 1,000. Ell Cross, Grand Rapids, Mich.

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Deamund Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

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 Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.
 Hunt, E. H., 76 Wabash Ave., Chicago.
 Kasting Co., W. F., Buffalo, N. Y.
 Kessler Bros., 450 6th Ave., New York.
 Kuehn, C. A., 1122 Pine St., St. Louis.
 Kyle & Foerster, 51 Wabash Ave., Chicago.
 Langjahr, A. H., 55 W. 28th St., New York.
 Lilley, Samuel F., 5 S. Mole St., Philadelphia.
 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 25th St., New York.
 Moore, Hentz & Nash, 55 W. 26th St., New York.
 Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
 Muuk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pittsburg Cut Flower Co., 121 7th St., Pittsburg.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L., Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Weiland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Young & Co., A. L., 54 W. 28th St., New York.
 Young & Nugent, 42 W. 23th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.

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Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dallas, Tex.—Texas Seed and Floral Co.,
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids—Grand Rapids Floral Co.,
 Grand Rapids, Mich.—Henry Smith.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky., F. Walker & Co., 634 4th Ave.
 Montreal—McKenna.
 Milwaukee—C. C. Pollworth Co.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—International Floral Assn.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 Omaha, Neb.—Hess & Svoboda, 1415 Farnum St.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblin & Co., Utica, N. Y.
 Boilers. Lord & Burnham Co., Irvington, N. Y.
 Boilers. Hitchings & Co., Elizabeth, N. J.
 Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
 Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.
 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.
 Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.
 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
 Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 10c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.
 Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.
 Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.
 Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.
 Gutters, cast-iron. Lord & Burnham improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.
 Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.
 Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.
 Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.
 Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDoell, Mexico City, Mex.

MATS.

MATS. Straw mats for covering hot beds and cold frames. Cheapest and most practical on the market. Send for circular. J. P. Watts, Keermoor, Pa.

MISCELLANEOUS.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.
 New Imported Florists' Baskets. The Radelin Basket Co., 713 Milwaukee Ave. and Huron St., Chicago.
 The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.
 Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.
 Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.
 New imported florists' baskets. The Radelin Basket Co., 713 Milwaukee Ave., Chicago.
 Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.
 Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.
 Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.
 Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.
 Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.
 Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.
 Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.
 Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.
 The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.
STAKES.
 Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.
 Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



WHOLESALE AND RETAIL FLORISTS

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigerator will keep your stock fresh because of the perfect circulation of cold dry air.

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are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our free catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

MCCRAY REFRIGERATOR CO.,

269 LAKE ST., KENDALLVILLE, IND.

Indianapolis.

Two years ago, William Watson Woollen, then owner of Woollen's garden of birds and botany, comprising forty-four acres, commenced the growing of small fruits and flowers for commercial purposes. Last December he gave and conveyed the garden to the city of Indianapolis for the use of its schools as a place for nature study. Having found that his venture in growing small fruits and flowers was profitable, he now is transferring his business to Somerleaze, his summer home, near Broad Ripple, and is making a large planting. He expects to cater to the Indianapolis trade, both retail and wholesale.

Winnipeg Flower Show.

The Winnipeg flower show which was held in Winnipeg, Man., September 1-3 under the auspices of the Winnipeg Horticultural Society, was a decided success. The show was held in the horse show amphitheatre, which is well adapted to such an exhibition, being well lighted and ventilated. The show this year far surpassed any previous one, as there was at least 25 per cent more entries, some of which were very large. The vegetable exhibits were a surprise to many, as owing to the very dry season, many thought that it would be a poor show, no less than seven agricultural societies competing, the first prize being carried off by the Kildonan Society this year. The plants and flowers also came in for their share of attention, there being a great variety of exhibits. The fruit this year was not as good as might be expected, there being very little in the country.

The flower section was very strong. Robt. Aitken, superintendent of Elmwood Cemetery, who is also president of the society, had a fine exhibit of plants, flowers and hardy shrubs, this exhibit in itself covering about 500 square feet. A. H. Stolper exhibited a beautiful wreath, an imitation of the one sent by Winnipeg to the funeral of the late King Edward VII, The Parks Board, R. B. Ormiston and James Bird also made large exhibits worthy of mentioning. This year a new class was added, for children's exhibits, for which \$150 was appropriated, and it was a great pleasure to see the interest which the children took in growing plants, flowers and vegetables. Five premiums were awarded as follows: children's cup, presented by W. H. Dangerfield, for school scoring most points, the John M. King School; florists' cup for amateurs, W. W. Dangerfield; vegetables cup for amateurs, F. Crowe, Dauphin; florists' cup presented by Porte and Markle, R. R. Gray; vegetable cup, W.

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it taking into account all the conditions.

When a man knows his greenhouse will stand, he is at liberty to put all his time and thought into growing things and that is what he wants to do.

Send for Bulletins.

KING CONSTRUCTION CO.

North Tonawanda, N. Y.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

**Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.**

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,

CHICAGO.

Telephones: Lincoln 410 and 411.

You get the best, at a reasonable price, when you order material of our

Louisiana Red Cypress

— PLANS AND ESTIMATES FREE. —

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings. Glass, Ventilating Machinery, Hotbed Sash, Pecky Cypress.

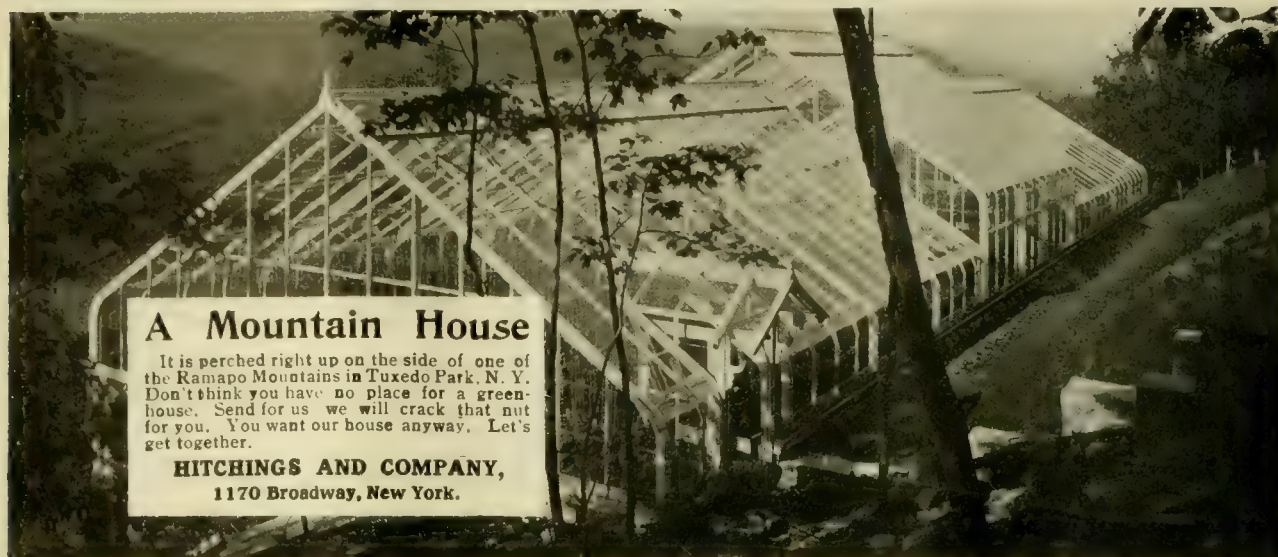
The Foley Manufacturing Co.,

Western Ave. and 26th St.,
CHICAGO.

H. Fielding. A gold medal for the best front garden, presented by Robt. Aitken, Thos. Eilbeck, 387 Maryland Street. A number of special prizes were offered by members and friends.

The directors have already commenced preparation for next year's show, which they hope will be even

larger and better than any previously held. The officers this year were: Robt. Aitken, president; W. J. Brattston, secretary and treasurer; W. D. Bayley, manager; A. J. Smith, H. Robert, A. R. King, J. C. Moline, W. H. Dangerfield, Thos. Eilbeck, Jas. Stacey, T. Brown, E. J. Reynolds, directors.



A Mountain House

It is perched right up on the side of one of the Ramapo Mountains in Tuxedo Park, N. Y. Don't think you have no place for a greenhouse. Send for us we will crack that nut for you. You want our house anyway. Let's get together.

HITCHINGS AND COMPANY,
1170 Broadway, New York.

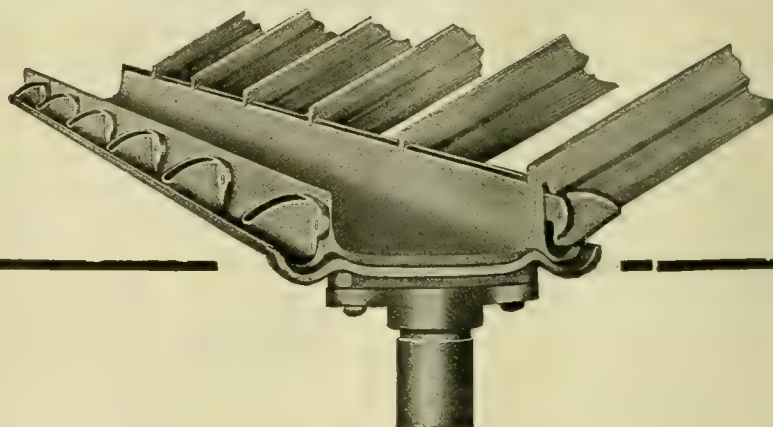
Helena, Mont.

The florists and nurserymen of Montana assembled at the State Nursery September 29 and organized the Florists' and Nurserymen's Association of Montana for the promotion of the general welfare of the craft. Articles of constitution were passed and the following officers elected: T. E. Mills, Helena, president; D. J. Tighe, Billings, vice-president, and W. J. Hugo, Helena, secretary and treasurer. The meeting was addressed by D. J. Tighe of the Montana Nursery Co. of Billings. After the meeting the company were entertained at luncheon by the president-elect who also provided automobiles to take the party to the state fair.

Orange, N. J.

The fifth annual dahlia show of the New Jersey Floricultural Society was held in Lindsley Hall, 240 Main street, Orange, October 1, afternoon and evening. There was a large attendance. The quality of the exhibits was first class and altogether the show was the best of its kind the society ever held. Among the outside visitors were Chas. M. Taggart, representing Marshall & Co., New York; George W. Strange, formerly with Lager & Hurrell, now with W. A. Manda, South Orange; William Tricker, the water lily specialist from Arlington; Mayor Arthur B. Seymour of Orange opened the show at 4 o'clock.

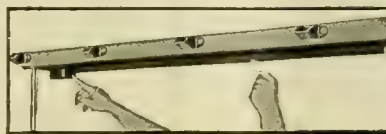
Walter Gray of Maplewood was awarded the Hitchings & Co. silver cup for the best 60 flowers of show, decorative and cactus, dahlias, S. M. & A. Colgate (Wm. Reid, gardener), the second prize cup, donated by James Laing, Orange; A. B. Jenkins (Albert F. Larson, gardener) the third prize cup presented by the society. Other awards were: 25 show dahlias, five varieties—Walter Gray, first; 25 decorative dahlias, five varieties, Walter Gray, first; 25 cactus dahlias, one or more varieties, Albert F. Larson first, Walter Gray second, Max Schneider third; 12 show dahlias, three varieties, white, pink and yellow, Max Schneider, first; 12 show dahlias, three varieties, red, crimson and bronze, Max Schneider, first; best dahlia not yet disseminated, Walter Gray, first. William Tricker of Arlington had a fine display of outdoor roses on exhibition, for which he received a cultural certificate. First class certificates were awarded to Walter Gray for vase of Souvenir de Gustan Duzon, D. Kindsgam for two vases of dahlias, Edward Merrit for vase of show dahlias, and



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William Reid for vase of cactus dahlias. Certificates of merit were awarded, P. A. Conners for collection of dahlias, Albert F. Lawson for vase of mixed dahlias, Charles Ashmead for vase of mixed dahlias, Max Schneider for vase of celosias. Cultural certi-

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cates were awarded William Reid for four vases mixed dahlias, and Matthew V. Brinkerhoff (William Hatton, gardener) for egg plant weighing nine pounds. The judges were William Tricker, Arthur T. Caparn and James Carswell.

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FULL SIZE
Nº 2



Fredericton, N. B.

The weather during the month of September was very fine, and all that could be desired, and dahlias, zinnias and all tender flowers were furnishing a glorious array of bloom. But in the first week of October we were visited by a very hard thunder storm, followed by a cold wave and then by heavy frost, and all the fine flowers were ruined. The demand for flowers has been good and some beautiful funeral designs have been arranged, especially at the funeral of the late Judge Skinner, one of Fredericton's most prominent and beloved citizens, to which the city council sent a large standing wreath some four feet high.

The Dominion Exhibition which was held at St. John was very successful. The floral display was small, but Pederson Bros. made a very tasty exhibit of plants and cut flowers. The directors of the exhibition show a lack of interest in this line and offer nothing worthy of the time and expense necessary to make a creditable exhibit.

B.

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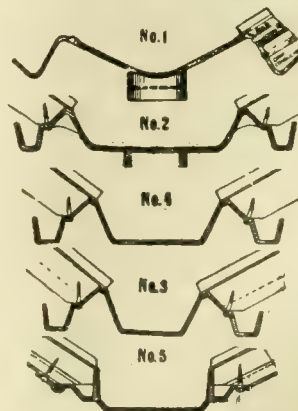
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DES PLAINES, ILL.

Tacoma, Wash.

It seems rather strange to hear all around that the floral business in Tacoma is good, when other lines of business and trade have so many reports of poor business, and we can hear so many crying hard times in most all other lines, and finding florists most all saying very good business, and it gets us wondering if the products of the florist are being ranked as one of the necessary supplies of the people. We wonder if it is because the Tacoma flower market has such fine flowers? Well, at any rate, we are glad to say we have them fully equal to any that were seen in a trip of over eight thousand miles that has just ended through the northwest, back east to Ohio, then through the south to New Orleans, to California and thence home again. The products of the Tacoma florists are equal to any place we visited as regards quality.

NOTES.

W. H. Manike has everything in best of condition to begin another season. His mums, mostly of standard older sorts, were in excellent condition with promise of a good late crop. He has about 7,000 benched and potted. His carnations, about 10,000, are planted with indications of a good cut. Nothing new at his place—just the same old standard sorts. Plants were generally good as taken from the field and they made a good start, though somewhat backward in taking hold. A rick of cord wood, representing about \$5.00 per cord, containing near 100 cords, made quite a fence around two sides of his place, but of course he intends to take that away before spring. No Harrissii for him—none to be handled. We heard him tell one who inquired that bulbs would likely be in by the middle of next month.

At John Hamilton's place on South Prospect street, we found the proprietor away, so the best we could do was to look in. Carnations are in with a good start and one house of mums attracted our attention. John put in a new Kroeschell boiler last fall and he thinks so much of it that he sometimes gets up in the night to go out and see it—but he says it's a pleasure and he don't have to swear by it, but could if he would. His outside dahlias are all right.

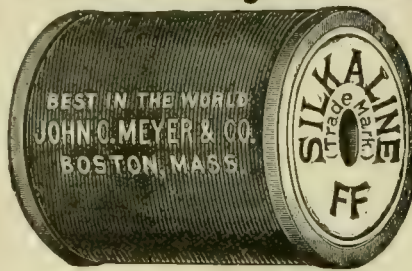
Practically no Paper whites in Tacoma yet, and we hear a few talk of giving the California-grown stock a trial. Our best advice, from trial and observation, is, do not try very extensively.

S. L. H.

Montreal.

Business, after the busy weeks during the Eucharistic congress, is back again to more quiet conditions, but perhaps just as profitable. There is a big demand for house plants, like palms and ferns, the Boston fern family is the favorite plant yet, and local production falls a long way short of meeting the demand. Cut flowers are arriving in better quality, roses are plentiful and very good, but carnations are scarce and short stemmed. Chrysanthemums are the seasonable flowers just now and demand good prices, the early ones have been very profitable this year on account of the asters having been a failure, the variety, Golden Glow, although not thoroughly understood by all, is certainly a good one, color, stem and size is all that can be desired. Outdoor flowers are over completely, although we have had no frost yet to hurt anything. Dahlias did not flower at all this year, sweet peas were over by the end of August, gladioli were fairly good, and asters the worst ever experienced. All around it has

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Wilmington, Del.

The past week was notable in the history of Wilmington on account of the convention of volunteer firemen. The city was gaily decorated in their honor and the florists were not behind their neighbors. Louis Sines displayed very appropriate designs in his show window. They were greatly appreciated by the veteran firemen, many of whom have grown gray in their voluntary service. This is a bustling city and it may be news to many of our readers to learn that they are erecting sky-scraping buildings here, but such are the facts. If the florists are alive to their opportunities they will share in the general prosperity.

NOTES.

George Carson Boyd's store, at 214 Walnut street, shows evidence of great activity. He is always ready to execute a decoration or a funeral order on very short notice, which he is enabled to do by having a very efficient staff of assistants.

Mary R. Wingert, who has a retail store at 714 King street, has been very ill for the past five weeks with typhoid fever. It is gratifying to state that she is now believed to be out of danger and rapidly recovering.

Sines & Welch have a nice retail store and are doing a good business. Most of their stock is bought in Philadelphia.

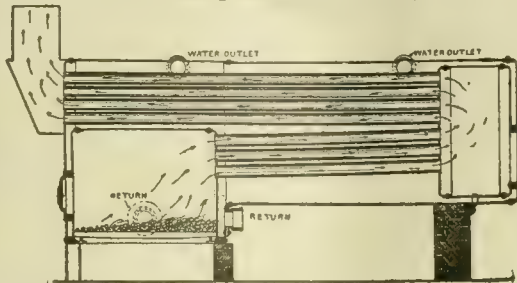
BURLINGTON, VT.—W. E. Peters, the florist and seedsman, will move his flower and seed store on November 1 from Main street, where he has been located for the past ten years, to the Walker block, No. 137 St. Paul street.

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
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Ask the man that knows the one using different style boilers—names are yours for the asking.



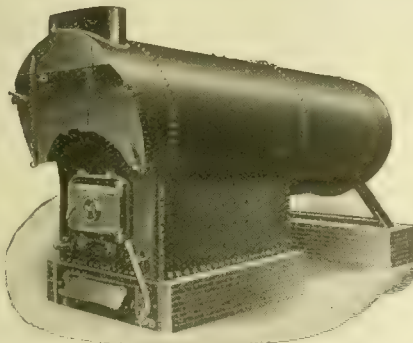
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Send for catalogue and list of growers that are using this boiler

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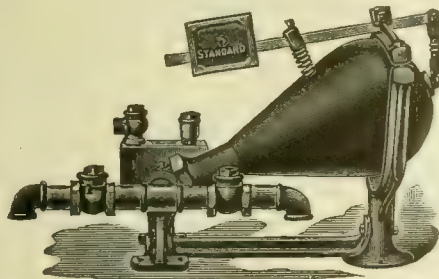
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The tank is made of galvanized sheet steel, and in brass.

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Non-poisonous and harmless to vegetation.

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Vol. XXXV.

CHICAGO AND NEW YORK, OCTOBER 22, 1910.

No. 1168



A WEEKLY JOURNAL FOR THE TRADE

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

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Next annual convention and exhibition at
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Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Marguerites.

There has been an increased demand for the nice blooms of the marguerite the last few years, for during the winter months when the florist has but little variety to offer, the buyers are very quick to observe something different from the staple stock and some of the recent introductions have created an interest in this plant, especially Queen Alexandra, with the dark brown spot in the center of the flower. To have a good supply of flowers all winter long the plants should have plenty of pot room, for they are great root growers and if grown in too small pots will produce small, inferior flowers. Give them a nice light location, they flourish in good strong sunlight, and if grown in a dark or shady place, soon go out of bloom and then will produce no flowers until spring. After the pots get full of roots, if the blooms begin to be short-stemmed, a feeding of weak liquid manure once a week will be very beneficial and increase the size of the flower. Marguerites can be used in many forms of work through the winter, and the pot plants, if well taken care of, will find a good sale for churches or large decorations at Easter, if they are well covered with bloom. They must not be grown in a warm temperature, a house that stands at 45 to 50° at night seems to obtain the best results.

Chrysanthemums.

The early varieties of chrysanthemums are now being cut and this is the time to look forward to another year. Keep a careful watch over your sales and note the varieties that your trade demands and if there are any that do not sell well; cut down the number grown of this variety or discard it altogether. Visit the shows if you can and see what the other fellow is doing and get a glimpse of the novelties. Always remember that your trade, if you are retailing, likes to see the new things and appreciates the one

who has enterprise enough to procure the newer varieties and then calls his customer's attention to them. Before your blooms are cut go over your benches carefully and mark the plants that you want to save for stock. Work along the line of selection is just as important, if not more so, than the raising of seedlings. Select the plants that have strength and vigor and produce blooms of the type wanted and discard all that show weakness and produce poor flowers. How often a grower will say that such and such variety is getting run out, yet another grower will be producing blooms that are as good as when that variety was first introduced. Ivory is a notable example of this, introduced to the trade by the late W. K. Harris in the 80's and still producing beautiful blooms in the hands of some, but a small, weak grower, with a miserable flower, in the houses of others. This is a point worth looking at and attending to, for it does not pay to pick up your stock plants at random and expect them to have first class blooms next season.

Cannas,

Just as soon as the first heavy freeze cuts down the canna tops the roots should be lifted and stored until wanted in the spring. Leave about eight or ten inches of the old stem when cutting the tops and dig the roots carefully, and under no circumstances shake all the soil off of them, for they are not like the heavy tubers and bulbs that can be dried out, but need a moist covering during the winter to keep the eyes alive. Under a bench in a carnation or similar house is an ideal place to store them, provided there are no heating pipes too close to them. If the soil is very wet, place them on boards, and if the soil is so dry that it falls off the roots when lifting, throw some damp soil over them, when they are placed under the benches. Look them over once in a while during their dormant season and see that they are neither rotting from

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Ready Reference
Department.**

too much moisture or shriveling from being too dry. Any of the novelties that it is desired to propagate all the stock possible can be now divided and planted out in a bench and kept growing all the winter and later more divisions can be obtained.

Soil.

Now is the time to get the compost pile started. Do not wait until spring and then have the help break their backs beating it to pieces, and the number of loads that a team can haul when the ground is in the present condition is much greater than can be done later in the fall after the heavy rains have set in or when the ground is all water soaked in early spring. The procuring and preparation of good soil is a very important matter to all growers, but one which many neglect until they are driven to it. Stack up a pile of broken sods now at the earliest opportunity and mix the ground bone in this fall, if it is intended to use any. Many wait until the spring and put the bone in at the same time as they do the manure, but bone is very slow to dissolve and if any lime is mixed through the soil at the same time that bone is used the ammonia in the bone is quickly freed and passes into the air and is lost.

Stevia Serrata.

This almost indispensable plant to the retail florist hardly needs a word about its cultivation, for it is so well known it almost seems superfluous, but possibly a suggestion, that will be appreciated by some, may be made in regard to bringing it into flower and extending the season. The plants by this time should be in a position where they are safe from frost, and if you have a light pit or one end of a cool house where air can be left on all night so as to keep the thermometer just above the freezing point, from 35 to 38° (the cool end of a violet house makes an ideal place), you can keep the plants back and bringing them along a few at a time have a succession of these beautiful sprays way into February. It is well worth trying, for a few sprays of this sweet little flower are greatly appreciated in the mid-winter when added to a box of carnations or cut flowers.

SAN FRANCISCO, CAL.—On October 1 the MacRorie-McLaren Company was incorporated under the laws of the state of California with a capitalization of \$75,000.00, the incorporators being Daniel MacRorie, Donald McLaren and Henry Maier. The officers of the company are Daniel MacRorie, president; Henry Maier, vice-president; and Donald McLaren, secretary and treasurer. Messrs. MacRorie and McLaren were members of the well-known firm of MacRorie-McLaren Co. of San Francisco, and Mr. Maier has been for years superintendent of the Stockdale Nurseries at Burlingame and has laid out a number of large estates surrounding Burlingame, San Mateo and along the peninsula. This firm has taken over the nursery and greenhouse stock of the Stockdale Nurseries and has opened an office at Burlingame. They announce that they have changed their main offices from the Crocker building and have taken a suite of rooms in the Westbank building, corner of Ellis and Market streets.



AN ARTISTIC WREATH OF FLOWERS AND FOLIAGE.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Effective Floral Designs.

The opportunity often arises for the florist, especially the greenhouse man, or the one who has a garden, to break away from the conventional flowers of the market, and by the use of a little originality combined with artistic temperament design an arrangement of flowers that is both very pleasing and beautiful. There are a large number of perennials that are never found upon the market but that can be easily grown, that can be used in a very artistic manner, and with the different shades of foliage make most beautiful work. The accompanying illustrations are of two very attractive designs composed of such material. In the first wreath on the right side are the long slender blooms of that beautiful herbaceous perennial *Ophiopogon* (snake's beard) both in white and lavender through which are arranged its long and narrow variegated foliage. On the

opposite side are the lavender and white varieties of *torenia* and at the base long-stemmed sprays and blooms of white *lilium lancifolium* tied with a handsome bow of lavender ribbon, handsome greens of different hues such as *adiantum* and other ferns were intermingled, giving a white and lavender effect. The other wreath was of similar character, yet the effect was entirely different, for in addition to the flowers used in the first *jasmynes* were used and at the base handsome *begonia* foliage was arranged and *auratum* lilies took the place of the *lancifoliums*.

Notes of Chicago Retailers.

J. MANGEL.

On the corner of Wabash avenue and Monroe street, one of the busy corners in the shopping district, is the store bearing the sign "Mangels," and seldom has it been our pleasure to see a store more admirably arranged to display the beautiful assortment of flowers and florists' wares which it supplies. The store is just below the sidewalk, which allows for the arrange-



WREATH OF LILIES AND PERENNIALS.

ment of flowers which can readily be seen and admired, and the proprietor takes full advantage of his many windows for making artistic decorations that attract the attention of the thousands of shoppers as they pass, and seldom does one fail to stop and admire the floral beauties displayed. Upon stepping into the store, one is pleasantly greeted by the genial proprietor or manager and courteously shown the best that the market affords in the large refrigerator filled to repletion with roses of the highest grade and other choice flowers. American Beauties, Killarneys and other roses of the best quality; Cattleya and other orchids; lily of the valley and other seasonable flowers are always on hand. Beautiful nymphaeas have been a feature of this store this season. A characteristic of this store is the having on show some beautiful arrangement to show the customer, a very handsome standing wreath of white Killarneys and nymphaeas, with a backing of rich autumn foliage was to be seen on our visit. Summer business was re-

ported as good and trade at present is all that can be expected.

C. A. SAMUELSON.

On Michigan avenue near Twenty-second street in a beautiful residential part of the city is the nicely arranged store of C. A. Samuelson. A beautiful window display of cosmos backed by foliage and handsome palms and decorative plants greeted our eye as we approached the door. Entering we find an up-to-date store in every particular filled with all the requirements that may be demanded by the most fastidious customer. A very pretty conservatory leading from the back of the store filled with a choice selection of palms, dracenas and other decorative plants was a particularly attractive adjunct and a table of fern dishes in the new white chinaware was a noticeable feature.

BOHANNON FLORAL CO.

Just around the corner from Michigan avenue on E. Monroe street, in the shopping district, the neat and attractive store of the Bohannon Floral

Co. is found. At each side of the door are stately bays and the windows tastefully arranged with beautiful specimens of plants and flowers, large vases of chrysanthemums and roses catch the eye of those passing by. Beside the door as we enter we particularly notice a very handsome new case in which are beautiful cattleyas and other orchids, valley and the choice exotics of the season. The handsome refrigerator just in front of the door contains a fine assortment of the best that the market affords. The high grade of roses and other flowers plainly shows that the store enjoys the clintage of the best patrons of the city, a very prosperous business and an exceptionally promising outlook.

KLEISCHMAN FLORAL CO.

A store so elegantly fitted with furnishings and with mirrors on all sides that one thinks that he has stepped into a large fairyland filled with beautiful plants and flowers is the feeling upon entering the beautifully arranged store of the Fleischman Co. at 35 Jackson boulevard. Handsome palms and beautiful vases of flowers bedeck the large and elegant windows and on each side are large refrigerators, mirrored as well, full of elegant Beauties, Killarney and other roses, orchids, valley and the best of all stock that can be obtained upon the market. Large corsages of orchids and valley are being artistically arranged. Situated upon one of the best business avenues this store enjoys the custom of the elite of the city and the grade of stock is of the best and a complete line is always on hand to supply the requirements of their trade. A good business is reported and everything in readiness to meet the coming season.

A. LANGE.

A beautiful supply of everything that the flower buyer could desire is the thought as one steps into the store of A. Lange at 44 E. Madison street. On every side are the beautiful products of the florist and in the rear a handsome refrigerator full of the highest grade of Beauties and other stock and at the time of our visit the extensive variety had proved a wonderful drawing card for everybody was as busy as could be, and the customers were being well served with everything that could be desired. A well arranged box of flowers, all ready for delivery, at popular prices is a feature here and they were meeting with good demand. Roses of the highest grade, orchids, valley and all the choicest flowers of the market, in fact one could hardly enumerate the varied stock so beautifully shown.

Symmetry in Flower Arrangement.

Symmetry in flower arrangement should be avoided, and under no circumstances should both sides of an arrangement correspond or match. It would be in very bad taste, for instance, to allow two vines to hang symmetrically from either side of a suspended vase, or even for a flower of one color to be placed between two of another color.

All floral arrangements should fit into a triangle either vertical or horizontal and that tends more or less against symmetrical composition. Great attention should also be given to the manner in which stems rise

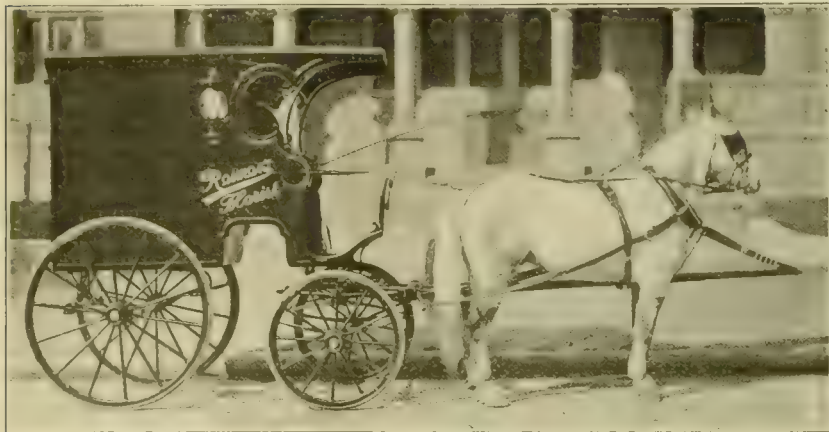
out of the water, as they should present a strong, vigorous appearance, and hold, in fact, the same relation to the flower that the trunk of a tree bears to the branches and foliage overhead. Plants that grow erect should be given an upright direction in floral arrangements, while those that grow overhanging should be arranged in a hanging position.

A. E. KLUNDER.

them. The heavy woody cuttings from field grown stock plants need to be trimmed closely, removing all the foliage excepting the very top young leaves and these should be cut back a little so that there is not any surplus leaves left on the cutting to decay and cause black rot. The propagating bed should be situated where it can get full light with plenty of air, using a sharp clean sand, watering the cuttings well

Alternantheras are another of the cemetery leaders. These are propagated during July and August either outside in frames or in the greenhouse propagating bed and are being potted or planted into shallow benches or flats with the idea of getting as much growth as can be got on them before they become partially dormant, which they will do as soon as winter conditions set in. They require a very light sandy soil, moderately rich, with plenty of crushed stone or sharp sand added to it to keep it open. Alternantheras need all the light possible and a warm temperature to carry them over winter successfully, but the success or failure to carry them over safely depends greatly upon the conditions at the roots to which they are subjected. Keep them on the dry side and there is no better place than on side shelves over the steampipes in the carnation houses provided there is not any drip from leaky glass or condensation. If not enough rooted cuttings are provided to meet the requirements, the stock plants can be taken up, the growths trimmed back, then either potted or flatted up and held dry and dormant until early spring, when they will answer to be started up by division.

Echeveria, which is used so largely with alternanthera in work for effect should be collected at the approach of the first frost, they can be pulled up and laid thinly in flats and set in a cool light place for a few days until the rush of collecting the stock before the first frost is over, but do not pile them thick in the flats or they will rot, also do not set them under benches in the shade or the same result will take place. The best way to carry these plants through the winter is to plant them in shallow flats, using a light soil about the same as advised for alternanthera, but not in any way rich enough to cause an abnormal growth. This plant is of more value for the purpose generally desired when of medium size than of over large so that any richness of soil with a tendency to promote extra growth must be avoided. Sometimes it is necessary to use a bench to carry echeveria over



DELIVERY OUTFIT OF M. D. REIMERS, LOUISVILLE, KY.

M. D. Reimers' Delivery Wagon.

The handsome delivery outfit of M. D. Reimers, Louisville, Ky., which we illustrate, was awarded the blue ribbon at the Louisville Horse Show, October 11, for the best delivery team or wagon, there being four entries for the premium.

Cemetery Greenhouse Work.

This is one of the busiest periods connected with the greenhouse and plant department of the modern cemetery for large quantities of the different kinds of plants have now to be propagated and the stock taken care of to be in shape for working up for next spring's sales. Killing frost can be expected at any time and this means that a lot of stock has to be handled and taken care of in a very short time.

Geraniums are one of the leaders and the varieties of the S. A. Nutt color, salmon pink like Beaute Poitevine, scarlet and the rose pink shades, are most in demand. Quite a number of double white should be arranged for but not in the same proportion as the other colors. The white varieties will not sell while good stock of the others are on hand and the single varieties are not used to any great extent for cemetery work. Every cutting that can be should be put in the propagating bed. When obtainable do not limit the propagating to any fixed number, it is better to have too many than not enough. There are several methods of rooting geranium cuttings, among them are potting the cutting direct in 2 1/4-inch pots, using a light soil with a liberal proportion of sand, also setting the cuttings in flats with soil at the bottom and surfaced with sand, placing the pots and flats in light, airy position in a cool house. Then there is the method of putting the cuttings into the propagating beds of sand which if the proper conditions are observed is the surest way of rooting

when set, which generally at this time, before steady firing has begun is enough to hold the cuttings until rooted. To sum up briefly the most essential points to consider for successful propagating of geraniums is not to cut the cutting too far up into the soft wood, cut close to the joint, remove all surplus foliage, use a clean sharp sand, water well when setting into sand and only then until roots have started (unless absolutely necessary) give plenty of fresh air and ample light. Geraniums put into the sand at this time generally have to remain in there until bench room is obtainable (following the clearing off a batch of chrysanthemums) and to carry the cuttings along safely after rooted they should be kept dry and cool.



VIEW OF LEAPLEY & MEYER'S STORE, WASHINGTON, D. C.

winter, but when shelves near the light in a cool house are available they are better in flats and the bench room used for something else. To prepare the plants for flattening the outside row or two of leaves should be rubbed off and the root stem or trunk cut back about half its length, or more if very long, we like to leave a few spreading roots to the main stem, but this is not at all

and put into the propagating bed without delay. Old stock plants of these can be carried over, but it is not as good a plan as getting in a good supply of cuttings at this time and propagating again from them later in the season, any stock plants of these lifted to be carried over should be well cut back, potted or planted out on a bench in a light position. Be ready for hous-

WITH THE GROWERS

H. W. Koerner, Milwaukee, Wis.

Being desirous of viewing the nursery of H. W. Koerner, the specialist on gladiolus, dahlias and peonies, we recently made him a visit, and upon our arrival we were surprised to see the large crowd of visitors who were looking over his establishment and admiring the blooms of dahlias, gladiolus and herbaceous perennials. Going into the dahlia fields it certainly was a glorious sight to see the varieties in endless number and of all shapes and colors. Over 400 varieties are planted, and about 100 seedlings, among which were some striking novelties, which it is intended to place upon the market from time to time. An assortment which were called new Giant Peony and new Single Giants particularly attracted our attention. Some of the latter measure seven inches across and are of the most odd colors ever seen. One new show dahlia, called Autumn Glory, was of a pinkish tan color, and a good match for autumn foliage decorations, and another very noticeable one was a cactus dahlia of a deep peacock blue shade.

At the time of our visit the gladiolus were about through and nearly all cut, but the extent may be imagined when it is learned that the daily cut this summer was 1,500. Mr. Koerner has been hybridizing these for years, and he now has about 200 beautiful new seedlings in all shades and varieties.

G. R.

T. G. Owen, Columbus, Miss.

There are no large and few even medium sized establishments in the South, but at the present rate of increase in her population she will soon take her rightful place in horticultural circles. Mr. Owen, a partial view of whose establishment is here shown, began his career as a cotton buyer in Columbus. From his parents he inherited a love of



BUNCHING GLADIOLUS AT H. W. KOERNER'S, MILWAUKEE, WIS.

necessary, as any part of the root stem will root out. When setting them in the flats or bench, just enough room between each plant so that they do not touch is all that is necessary, for as soon as they begin to touch, drawing up commences, a condition if allowed to continue long will quickly spoil them, and they must be spaced out. The soil should be pressed firm around the stem, but do not let any get down into the plants between the leaves if it can be avoided. Echeveria are commonly called "Hens and Chickens" on account of the little plantlets that shoot out from the main plant. These can be taken off and planted to increase the stock, the old pieces of the root stem that have been cut off can be boxed in sandy soil and be kept on the dry side. After a short while the young plants will commence to shoot up when they can be removed and flattened up to make a fresh supply of plants.

Mme. Salleri geranium is another plant used in large quantities as a border for flowering geraniums. These can be pulled up at the first frost and packed upright in cold frames for a few days, when they can be potted. Our method is to trim back the straggling leaves, then bunch three plants together, pot into three or three and one-half-inch pots in ordinary potting soil and set along the edge of the walks in the carnation houses and water only to keep them from shriveling; they remain here until early in December when they are cut up for propagating.

The soft, tender plants, such as coleus, petunias, ageratum, heliotrope, pilea, cuphea, salvia or any other of this class of which stock is needed should have the cuttings taken

ing the vase plants before they get badly frozen, also pot up the planted out stock of hydrangea hortensis and the vincas they can be set out in frames and have the glass removed during the day. There is plenty of time to pay attention to the English Ivy in two or three weeks from now for they will stand freezing, but do not let the cannas get badly frozen before digging, as they will keep much better if taken up before frost penetrates down the stems.

C. W. JOHNSON.



VIEW OF DAHLIAS AT H. W. KOERNER'S, MILWAUKEE, WIS.

plants and flowers. A very small greenhouse attached to his dwelling was a source of great pleasure to him in his spare moments. The call finally became so strong that he built a modest establishment of six houses and grew principally, carnations, chrysanthemums and asparagus. The business was a success from the start and he soon had orders from Birmingham, Mobile, Memphis and other smaller towns, besides his retail trade. Roses were soon added to the list and his Perles were as fine as grown anywhere. Getting cramped for room and wishing to avoid the heavy town taxes he bought his present farm of 60 acres outside the corporation limits. Here he put up a range of twenty houses 25x100 feet, and in two years added twenty-three more 14x100. This latter range was devoted entirely to roses on ground beds. Kaiserin, Ivory and Perle were of excellent grade in every particular, but finding some on benches produced better during the winter months he this year put his whole place to benches. Over 160,000 feet of lumber were required to complete the job.

Roses, carnations, chrysanthemums, callas, Easter lilies, asparagus, sweet peas and bulbous stock are the varieties of stock grown. Over 40,000 roses are planted out. Ivory, Perle, Kaiserin, Richmond, Killarney, My Maryland and American Beauty being grown. The first four varieties, with the Beauties, are the standbys and show remarkable vigor. Killarney does not do so well and it is likely will be discarded next year in favor of My Maryland if the latter continues to show its present form during the winter season. Only about 10,000 carnations are being grown this year, just enough to supply the retail trade in the small surrounding towns. Four houses are devoted to asparagus and are about the most profitable ones on the place. Callas are also grown to the extent of 2,000 and no blooms ever go to waste.

Chrysanthemums, mostly mid-season and late white varieties, fill two or three houses and these are filled later with lilies, sweet peas, candytuft, etc. The cut finds a ready market all the way from Memphis and New Orleans in the west to Pensacola in the east and often it is a hard task to fill all the orders.

Only the lack of cold storage facilities in the town prevents the forcing of Valley the whole season. Cold storage Giganteums have been tried but the bulbs so often arrive in an unsatisfactory condition that the forcing of this class of bulb has regretfully to be stopped. Some day Mr. Owen may erect a cold storage plant of his own and get over the difficulty in that way. One customer stands ready to take one hundred or more cut lilies every day in the year. Mr. Owen is willing to enlarge as soon as the trade shows signs of wanting more.

The water works arrangements are very complete. Two fine flowing artesian wells, 800 feet and 500 feet deep, respectively, supply the water to an artificial pond. A large Worthington steam pump furnishes all the pressure needed for syringing and a tank kept constantly full by two rams supplies the needful for ordinary watering. Another steam pump is used entirely for manure water, which goes through a separate line of pipes, so that both syringing and using liquid manure can go on at the same time if necessary. The water is slightly iron tasted but has no injurious effect on the boilers and the plants seem to revel in it. Two extra large Kroeschel boilers do the heating work in an entirely satisfactory manner.

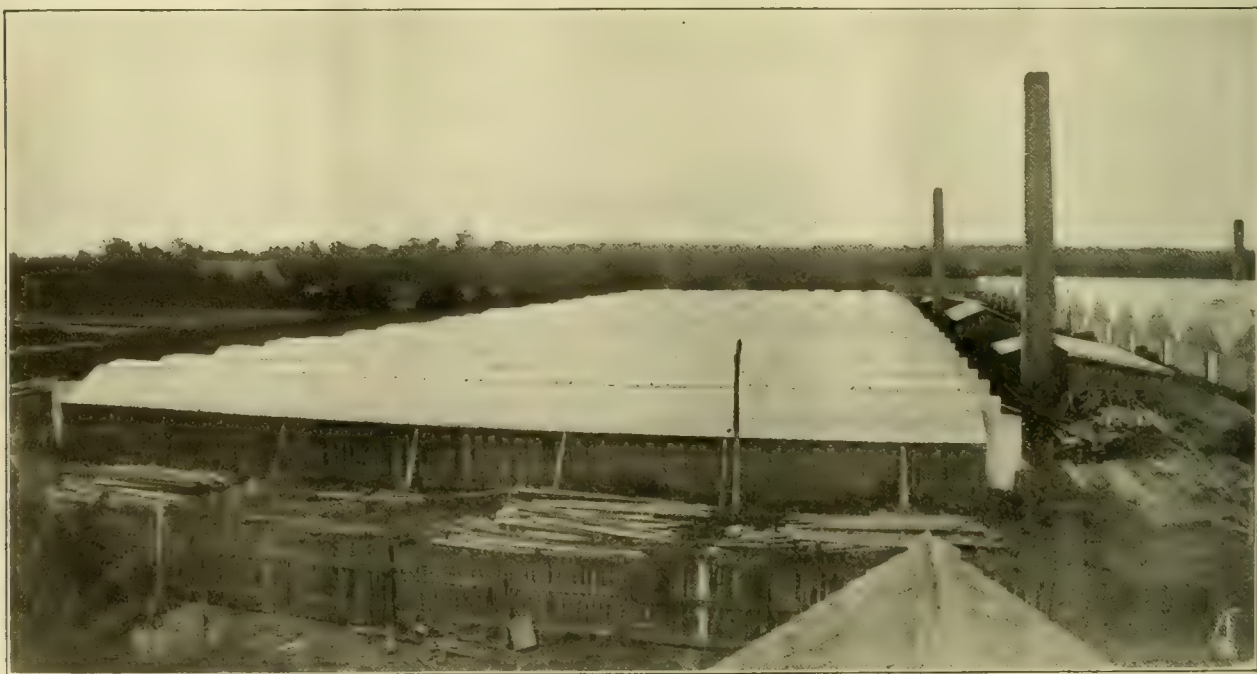
The difficulty in getting anything like an adequate supply of cow manure finally became so great that Mr. Owen added a dairy of sixty fine cows to the establishment and every pound of the manure from this herd is used in the

greenhouses. The cows are fed one gallon of cotton seed meal every day of the year and the government tests show that 60% of the fertilizing value of the meal is contained in the manure. The dairy is more than self-supporting and the value of the manure so obtained can not be overestimated in an establishment like this.

J. L. Dillon, Bloomsburg, Pa.

In one of the most beautiful towns of Pennsylvania is located the greenhouse plant of J. L. Dillon. This establishment is and has been noted all over the country for many years; in fact, ever since first started by the late John L. Dillon, who was so favorably known by the trade and those attending the S. A. F. conventions a few years ago, for the excellence of the stock which it produces. The area of the glass is about 127,000 square feet and while a small amount of retail business is carried on the bulk of the output is disposed of at wholesale, the cut flowers being shipped to the adjoining cities and the young stock which is so extensively grown, and for which this establishment has become so favorably known, is forwarded to all parts of the country. In cut flowers, while roses and carnations are the main crop, yet a general line of all florists' flowers are grown and callas, lilies, violets, stevia, smilax, and asparagus are produced and sold.

Nine houses, covering 63,000 square feet, are planted to roses containing 20,000 plants, which are in fine condition, showing excellent culture and producing A 1 stock. The following varieties and the quantities of each planted are, Brides, 4,500; Bridesmaid, 5,500; white Killarney, 1,800; Killarney, 1,600; Richmond, 1,800; My Maryland, 1,800; Perles, 1,000; American Beauty, 700, and other varieties noted were Mrs. Jardine, Chatenay, Sunrise, Enchanter, Kaiserin, and Golden Gate. Nine houses



T. G. OWEN'S GREENHOUSE PLANT AT COLUMBUS, MISS.



MARKET GARDENERS' BANQUET, GIVEN SEPTEMBER 28, AT GRAND RAPIDS, MICH.

with an area of 40,000 square feet are planted to fine healthy plants of carnations, some 40,000 in all, and are beginning to produce a high grade product. All the standard varieties are grown, including Enchantress, White Enchantress, Rose Pink Enchantress, Winsor White Perfection, Beacon, Lady Bountiful, Queen Louise, Robert Craig, Mrs. Lawson, White Lawson, Admiration, Canary Bird, Apple Blossom, Jessica, Buttercup, Eldorado, Golden Beauty, Mrs. M. A. Patten, Flamingo, O. P. Bassett, Victory, Pres. Roosevelt, and Harlowarden.

In the propagation of young stock of all kinds, this is one of the leading houses of the trade, and large shipments are made all over the country in the season. They are the largest growers of verbenas in the world, 175,000 rooted cuttings are sold direct from the sand and 50,000 are disposed of from 2½ in pots. The propagation of other lines of stock are 100,000 roses, 100,000 carnations, 4,000 geraniums and large quantities of coleus, alternantheras, salvias, pansies, cannas, ageratum and alyssum. Special attention is paid to the growing of carnations in the field which are sold to the florists of the different states in the fall.

Since the death of Mr. Dillon the business has been ably conducted by Mrs. J. L. Dillon and her son, who is a graduate of Penn State College, has taken charge of the roses and carnations, and the condition of the stock is certainly a great compliment to his ability.

POUGHKEEPSIE, N. Y.—An illustrated lecture on orchids will be given at the Opera House by Dr. Shattuck October 21. Competent judges say the pictures used in this lecture are of unusual merit.

THE CARNATION.

Cultural Notes.

Cooler weather may be expected now, and as the night temperatures fall to 50 or lower, both growth and flowers in the carnation houses will improve, and there is less liability to loss from stem rot, for warmth and humidity are contributors to the spread of this much dreaded disease. A dry season, such as this has been, has its disadvantages for the carnation grower, but the disadvantages are probably less than those encountered in a season of heavy rainfall, for the latter encourages a soft and sappy growth in the plants, and plants of such a character are much more likely to suffer from fungoid diseases. In addition to this, the sappy plant does not recover as readily after planting in, so taking all things into consideration the hard plant lifted from a dry field stands a better chance of making progress than does the heavier plant from wet ground. But after the red spiders and thrips that have been brought in from the field have been overcome by means of syringing, spraying and fumigating with the various insecticides, the plants will begin to do something towards paying their board and lodging.

Soon there will be cause for a little fireheat in the pipes, it being very doubtful economy to postpone starting the fires until the houses reach a dangerously low temperature. When it becomes necessary to shut down the ventilators in order to maintain the houses at 50 degrees at night, it is much better to have a slow fire, for shutting down will cause too much condensation on the plants and flowers.

Syringing frequently on bright days will still be needed to prevent red spiders from gaining ground, but this

operation should be completed before noon, else it will be impossible to get the foliage dry before night, for the days are shortening rapidly. Aphis is quite likely to appear at this season, and soon ruins either buds or foliage when permitted to remain, and this brings to mind the necessity for regular spraying or fumigating with nicotine. A mild dose of nicotine given weekly will usually keep down these pests, though it may sometimes be needful to repeat the treatment on two successive evenings if the insects have been allowed to get headway.

It is scarcely necessary to say that the weeds should always be kept down, and the surface of the soil kept open by frequent shallow cultivations, in order that the roots may get the air they need. Tucking in and disbudding occupy much time from this time forward, but these are parts of the regular routine that must be observed if one wishes to have straight stems and good flowers, and quality counts for much in the market returns, there being seldom a scarcity of medium to poor grades, but not often too many of first quality flowers to supply the discriminating buyers.

Of course the stems are still comparatively short, the early growths being generally defective in this particular, but there is naturally much difference in varieties in this particular characteristic, those of the Lawson type being usually short, while those of the Enchantress group are longer, and Pink Delight throws a good stem at almost any season. The Enchantress family are still bread-winners for many growers, while Beacon occupies a prominent place among the scarlets. Mrs. Ward promises well to many of those who invested in this handsome variety, but Victory does not justify its name in many places, showing a decided loss of

constitution. The various novelties will make more noise later in the season, or rather their promoters will, and we shall all possibly know more about them when the great show takes place in Boston next spring, but at this time it is far too soon to criticize new carnations, even though we were given to public criticism. W. H. TAPLIN.

Carnations Diseased.

ED. AMERICAN FLORIST:

Please tell me what is the matter with my carnations. The leaves are turning dry from the bottom upward. The disease starts at the tips of the leaves. A good many of the young shoots turn white and die when three inches high. They have been planted about a month and were very fine plants in the field. They do not seem to have grown any since planted. The Enchantress plants seem to be worse than White Enchantress. White Perfection does not seem to be affected.

Missouri. W. J. N.

The shoots upon arrival were very much withered up but so far as I could tell from the specimens sent it looked very much as though the plants are affected by dry plant rot though the variety Enchantress is one that is very rarely affected by this disease. It would have been easier to determine the trouble if a plant, including the roots, had been submitted. It does not seem clear to me why the young shoots should turn white and die when three inches long. This would indicate that there is something wrong with the roots. They are either being burned with too much manure or through being allowed to get over dry. The fact of the tips of the leaves being affected first would also indicate an over supply of manure in the soil.

C. W. JOHNSON

Carnation Propagation.

ED. AMERICAN FLORIST:

I have a 30-foot house planted to carnations and wish to use a part of one bed for rooting carnation cuttings. It is a 3-foot bed, on south side, has two 1½-inch steam pipes underneath. Please let me know through the columns of your valued paper whether this will give satisfactory results.

A. GREEN HORN.

If the bed is eighteen inches or more away from the glass it will answer the purpose for propagating. When the cuttings are too close to the glass they are likely to get chilled and do not get enough air. Two ¾-inch steam pipes underneath the bed is not any too much and may not be enough but an increased bottom heat can be attained by tacking some sacks to the bottom of the bench and letting them hang to the ground. It will be necessary to provide for a bottom heat of 56 degrees.

C. W. JOHNSON.

Carnation Yield.

ED. AMERICAN FLORIST.—

How many carnations can I cut from about 300 plants daily? C. S.

The number of blooms obtainable from a certain number of plants is very difficult to answer as so much is dependent upon the plant to start with and the culture throughout the year and different varieties are more or less productive. Growers who have kept

actual account of the cut report from 15 to 50 blooms per plant for the entire year. W.

THE ROSE.

Cultural Notes.

At this writing, early October, we are having a cold rainy spell, with the thermometer registering 48° to 50° at night; this gives the rose grower a fair chance to even up the mildew proposition, providing steam heat is being used in the rose houses. We find running one coil well painted with sulphur and carrying two or three inches of air through the night, keeping the temperature in all of the houses at about 60° has improved the plants wonderfully in a short time. The extremely hot weather of the last week in September with rather cool nights (hardly cool enough to start the fires) had a tendency to weaken the plants somewhat owing to a little too extreme changes in the temperature. However, when the temperature (owing to cooler weather) can be kept very near normal, what we consider the danger point is about over, and within a week or ten days shipments should show marked improvement.

It will be advisable in order to have a fair cut for the Christmas holidays to use a certain amount of judgment in pinching back some of the growth so as to come in somewhere around December 18 or 20 with some good stock. The Killarneys when pinched about October 20 usually give good cutting for Christmas. There isn't a great deal of difference in the timing of any of the present commercial varieties, although we find that Beauties sometime when cut about October 15 to 18, with good canes, usually produce another crop at about the right time for the holidays.

Now I don't mean to give the impression that a full crop should be the aim of the grower at the time mentioned, for this in our estimation doesn't do the plants any good at any time but during the chrysanthemum season which is beginning to be well under way by November 1; we usually can snip off quite a number of the shorter-stemmed growth letting only the better grades bloom through November, and not too many of any kind. Killarney and White Killarney can be handled almost as the grower decides as to timing for a crop, with Richmond a close second. My Maryland being a little more sensitive, we think might easily be set back several days if the temperature should drop a little low. We prefer a temperature of 62° to 64° at night for the latter and about 78° to 80° day temperature with air on clear days. Cloudy days, about 72°. We usually keep a crack of air on all the houses until extreme cold weather is at hand, with the result that we have better foliage, stronger growth and good full buds, with nothing to be desired as to color. Richmond and Killarney usually do well at about the same temperature, a normal temperature for these varieties being 56° to 58° at night, clear days, with air 75°, cloudy 68° to 70°. With Beauties two degrees warmer all around. Of course at this time of the year a higher temperature, say of two or three degrees, would be advisable, gradually working

them to normal by the time steady firing begins.

If one would be successful with roses there are two things that must be right, the temperature and the amount of air, and the way the air is given, of course. There are many details (all important) that must be attended to. But an even night temperature must be maintained, and the houses should be ventilated by gradually increasing the air during the forenoon and closing the ventilators down in the afternoon. Very often when the rose houses get a little too warm the grower lacking experience gets a little alarmed and to cool the houses turns on a lot of air. This is about the worst thing we know of for the plants. In this instance stick to a little lift of the sash at intervals of fifteen minutes or so until the temperature recedes to normal. It may be well to explain while referring to temperature that when we state that a certain variety requires a temperature of 75° on clear days with air in the houses we mean this for a maximum temperature, preferring to increase the temperature gradually and regulating it with the handling of the ventilators if a gradual rise of the temperature brings the house up to 75° around 10 or 11 o'clock in the morning this will be about right, reducing gradually until at night we have the thermometer just a little above normal at sundown. Another suggestion is in order, and that is never to syringe until the temperature reaches 70° in any rose house.

The solid beds may not require quite as much water now as they did several weeks ago, whereas the raised benches may require more, according to the root action. Richmond being a very strong feeder, will usually (if planted on raised benches) require a light mulch, half soil and half manure, just enough to protect the roots, which with this rose usually come to the surface and must necessarily be given a little more feeding on top. American Beauties are free rooters and they also require extra feeding. We prefer placing the manure in ridges between the rows in the early fall, using cow manure rather fresh. It can be washed with the hose when watering and rubbed down gradually from time to time until it is evenly distributed over the beds, care being taken not to put the manure on too heavy as a rule. The other varieties, Killarney, My Maryland, etc., can get along with a light top dressing of well-rotted cow manure, or a little finely pulverized sheep manure. Especially is this true if the soil is of the best. However, the soil may be light and in this case it may require extra feeding. Plants that require extra feeding will show a ripened appearance, the foliage will get rather harsh and the growth in a tender stage will be of a deeper color and shorter, and will loose that go-ahead, vigorous appearance so much to be desired.

Keep the plants clean, well tied and the spiders down by careful syringing, and fumigate from now on regularly, the fumigating papers being preferred, as it does the work without injury to flowers or plants. Six pieces to every 2,000 square feet of glass used about every ten days as a preventive will make the green fly hunt the high places. A little sulphur applied on the pipes regularly will keep the mildew down easily. E.

Chrysanthemum Unaka.

The long sought early October pink chrysanthemum. Buds selected August 1 to 15 give fully developed blooms October 1 to 15 and are superior to earlier or later buds when color and fullness are considered. A broad petalled Japanese incurved of great depth and size for so early a variety. In color is intermediate between Rosiere and Wm. Duckham. Exceptionally strong stem and dark green foliage. Height four feet from early May planting. Being an October Frost seedling has a strong constitution, ensuring ease of culture and is a very free propagator. Awarded 90 points, commercial scale by the Cincinnati committee, October 9, 1910. Elmer D. Smith & Co., Adrian, Mich., sponsors.

Albany, N. Y.

Vases formed an important part of the discussion of the flower show committee at its last meeting held preparatory to the show scheduled for November 10-12, in the state armory. Letters were read by the secretary from two firms relative to prices on glass vases suitable for carnations and instructions were given by Chairman Frederick Goldring to write for quotations on 125 vases of larger size suitable for roses and chrysanthemums. Samuel Goldring, chairman of the committee on decorations, reported that it would cost about \$20 more to decorate the hall this year than last, because more space will be taken for the exhibition. The decoration committee was instructed to go ahead with the work. It was decided to have the secretary obtain lists of private gardeners on estates in Lenox, Mass., and other nearby places, as well as similar lists of growers of American Beauties near New York and Philadelphia, with the object of inviting them to make exhibits in classes of interest to them. Several matters relating to accessories for the show, names and qualifications of judges, although discussed at some length, were left open until the next meeting.

NOTES.

George C. Harley, president of the Dobler Brewing Company, has let to the Lord & Burnham Co., New York, the contract for a conservatory to be built at his home, 994 Madison avenue. The building will run east and west and will be 18 x 75 feet. A palm house with roof 18 feet high to face toward Madison avenue will be a feature. In the rear of the building will be a potting shed and storage for vegetables will be provided beneath the palm house. The whole is to be completed by December 1.

Weddings with elaborate decorative features have kept a number of local florists very busy the past two weeks. Especially notable was the wedding of F. Bailey Vanderhoef of New York, and Miss Cornelia Young on October 15, in the Cathedral of All Saints. The church decorations were by Eyres and that of the house of the bride's parents by Danker.

The Rosery, 76 Maiden Lane, was closed two or three days last week on account of the death of Mrs. Catherine, mother of Edward F. Meany, one of the proprietors. Mr. Meany has the sympathy of the trade in his loss.

Washington.

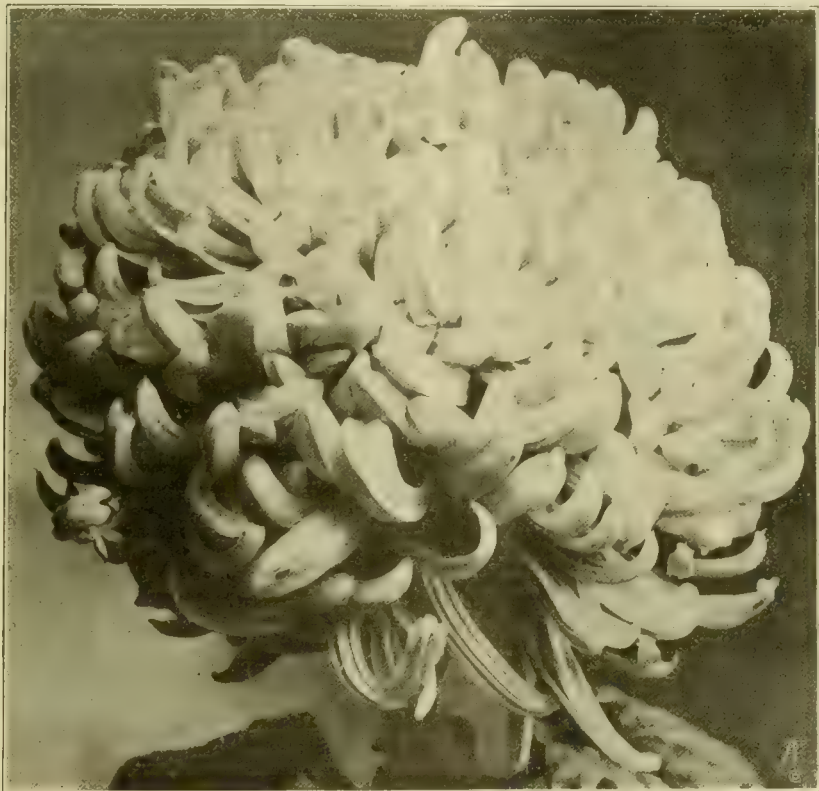
During the latter part of last week the florists were literally overshadowed by the bird-men—excuse the hyphen—but Mr. Graham-White, who was the star aviator, also runs a hyphen in his name. Even such a steady going florist as W. F. Gude took part in the general excitement. On October 14

Mr. Graham-White, who by the way is an Englishman, soared around the Washington monument and various other points of interest and landed "as gracefully as a bird," so the truthful reporters say, near the steps of the White House. Unfortunately, President Taft was absent, but Admiral Dewey and other notables were present to bid him welcome to our city. Mr. Graham-White shook their hands, lighted a cigarette—all aviators seem to smoke cigarettes, and proceeded to hunt up a satisfying lunch. In the meantime, the retail florists were cooling their heels on their doorsteps and trying to figure out the connection between aviation and floriculture. But, it was a great event. Business, as a rule, has been rather slow, the weather has been warm and there is an abundance of flowers and many of them are good for this season. With chrysanthemums beginning to arrive freely and white dahlias and cosmos in superabundance, there is danger of a glut unless a timely frost shortens the supply. Roses and carnations are

of the committee in charge of the arrangements for the show, the other members being George H. Cooke, John Robertson, W. W. Kimmel, Elmer Mayberry, O. A. C. Oemhler and J. L. Carberry. The personnel of the committee is a sufficient guarantee that it will be a fine show.

There are many good words for Frederick W. Kramer on account of the reception he gave the Florists' Club at his store on the night of October 4. All who know Mr. Kramer agree that he never does anything by halves, and on that occasion he made no exception to his invariable rule. The store and conservatory were beautifully decorated and abundant refreshments were served. There was also a fine musical programme, all being furnished by Mr. Kramer.

J. R. Freeman, who in addition to his retail store, conducts extensive greenhouses, is showing excellent stock. Mr. Freeman has recently been seriously ill, but it is gratifying to note that he is again on his feet and attending to business. He is another of

**CHRYSANTHEMUM UNAKA.**

plentiful and good for the season, but nobody can tell what Christmas may bring forth.

NOTES.

J. H. Small & Sons are showing very fine stock in cut flowers and plants at their store, and as usual at this season of the year, their business is on the boom. Having another store in New York, this firm is finely equipped for filling orders on short notice in any part of the country. This firm, it may be here stated, has a notable record, reaching back for nearly sixty years and it has always kept a little ahead of the times. It has always catered to the best class of customers and has done much to elevate the business.

Active preparations are being made for the flower show, to be held at Convention Hall, October 24-November 6. It is stated that a number of very striking and novel features will be seen. William F. Gude is chairman

of the older generation of florists who has always stood for the best things in the business.

The Florists' Exchange, the pioneer wholesale mart of this city, has in a short time built up a good shipping business. At present they are paying particular attention to orchids, chrysanthemums and carnations. Albert Schnell, the efficient manager, is always on the job.

S. F. Holland, well and favorably known in the retail trade of this city, has recently opened a nice store at 3209 Fourteenth street, N. W. But a few years ago, this location was considered to be out in the suburbs, but it is now a fashionable residential section.

George H. Cooke recently received a large shipment of the noted celosias "Pride of Castle Gould," and is much pleased with the favor shown them by his customers.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE fronds of *Polypodium aureum* Mandaianum are peculiarly appropriate and most effective for use in large vases of chrysanthemum blooms.

Personal.

August • Poehlmann will celebrate his forty-first birthday October 21.

Prizes for Home Gardens.

The offering of prizes for home gardens, is now receiving considerable attention in many cities for the committees on awards are now completing their work. These premiums are offered by civic organizations, business firms and individuals for general improvement, best gardens and window boxes, and the high praise that is given the results in the public press and by those interested in the movement is proof that nothing beautifies our homes and cities more than horticulture and is more easily and readily appreciated. The florist should certainly give this movement his hearty approval and do all in his power to make the world more beautiful.

THE railway gardeners at the recent Boston meeting protested against the practice of owners of huge sign boards, who, when they secure a location for an "artistic" advertisement of somebody's pills or salve, erect their boards as near as possible to the beauty spots made by the landscape men. They intend to place their protest before the advertising companies and the various national and municipal civic organizations.

Chrysanthemum Society of America.

WORK OF COMMITTEES.

Cincinnati, October 8.—Unaka, satiny pink Japanese incurred; scored 90 points, commercial scale, October 15.—Chrysolora yellow Japanese incurred; scored 94 points, commercial scale. Both exhibited by Elmer D. Smith & Co., Adrian, Mich.

Philadelphia, October 13.—Sport of Glory of Pacific, white Japanese reflexed; scored 86 points, commercial scale; exhibited by H. Weber & Sons Co., Oakland, Md.

New York, October 15.—Chrysolora, yellow Japanese incurred; scored 93 points, commercial scale and 87 points, exhibition scale; exhibited by Elmer D. Smith & Co., Adrian, Mich.

Massachusetts Agricultural College.

The short course in floriculture at this college this year promises to be one of the most successful ever given. The course is of twelve weeks during January, February and March, and is intended to reach not only the students but practical florists as well. Tuition is free and the only expenses are for board, text-books and traveling expenses incidental to observation. The value of the course lies in the fact that all branches of floriculture are taught by specialists and a large number of florists should avail themselves of this opportunity at a small expense. Some of the topics to be considered are greenhouse construction, furnishings and equipment, florists' crops and florists' trade. Saturdays will be devoted to visiting practical greenhouses for observation. In addition to the lectures by the college professors, talks will be given by the following practical men: R. O. King of the King Construction Co. and representatives of Lord and Burnham and Hitchings & Co.; W. H. Elliott, Eber Holmes, M. A. Patten, C. W. Ward, C. H. Totty, W. N. Craig, E. J. Canning, Edward McMullen and J. Otto Thilow. Men and women from any state are eligible for this course, and additional information can be procured by addressing Prof. E. A. White, Massachusetts Agricultural College, Amherst, Mass.

Advance in Floriculture.

A writer in the Philadelphia Public Ledger, in commenting upon the development and expansion of the various trades and industries in the last 75 years states that this has very naturally reflected in the business of the florists and says: "In 1836, when the first number of this paper was published, the florists were a comparatively small figure in the community, and their shops, while delightfully pretty in that old-fashioned, modest way, when the favorite plants and flowers were different from those now in vogue, and when everybody had his own garden, where the moss roses and the daffodils

and the hyacinths grew, and in whose windows in the winter scarlet geraniums and other varieties were cheerfully attended to, did not compare favorably with the modern establishments.

But now the modest trade has expanded to an important business, and has reached a stage where it may be said to be an industry. The people as a whole are in better circumstances than they were 75 years ago. They are living a newer kind of life, in which things formerly deemed a luxury are now taken as a matter of course. There are frequent large entertainments, almost any one of which would have given food for tea-table conversation for a whole year three generations ago. But now they are so very common that, outside of a passing paragraph in the social columns of the daily newspapers, they attract little attention.

In consequence of this development and the change in the manners, the demand for the best flowers and for novelties in floral decoration for dinners or for other social entertainments, has increased until the business of providing for it has become one of great and serious importance. The florists of Philadelphia are known throughout a large radius around the city for the excellence of the taste they display in selecting their flowers and for the enterprise they show in providing novelties and producing out of season those delightful blooms that sometimes make the success of a social entertainment.

Where thousands of dollars a year were spent on flowers in 1836, the annual expenditure for flowers in Philadelphia now is well up above the million mark.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advice.)

Albany, N. Y., November 10-12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Frederick Goldring, chairman show committee.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. C. P. Close, secretary, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show Society of American Florists, Mechanics' Building, Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Chicago, November 8-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. J. H. Burdett, secretary, 1620 W. 104th Place, Chicago.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. A. F. J. Baur, secretary, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. R. Carey, secretary, Long Branch, N. J.

Milwaukee, Wis., November 9-13, 1910.—Flower Show, Milwaukee Florists' Club, in the Auditorium. H. V. Hunkel, 462 Milwaukee street, Milwaukee, Wis.

Minneapolis, Minn., November 9-13, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society, Edward Reagan, secretary, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music Hall, 115 Court street. Frederick H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Philadelphia, Pa., November 8-11, 1910.—Annual exhibition, Pennsylvania Horticultural Society, Horticultural Hall, Broad street, below Locust. David Rust, secretary, Horticultural Hall, Philadelphia, Pa.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland Hotel, Angus McLeod, secretary, 163 South Alleen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28, 1910.—Annual flower show, Dutchess County Horticultural Society.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Adin A. Hixon, secretary, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., October 24, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., October 24, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., October 28, 8 p. m.—Connecticut Horticultural Society, County building.

Lake Forest, Ill., October 28, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

New London, Conn., October 28.—New London County Horticultural Society, Elks' hall.

Toledo, O., October 26.—Toledo Florists' Club.

Winnipeg, Man., October 26.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.
Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Head gardener, Scotch, wishes position; references. Address "L," care R. & J. Farquhar, Boston, Mass.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Nov. 1.
Key 219, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman, in Chicago; 14 years' experience; good references to show.
Key 218, care American Florist.

Situation Wanted—As assistant gardener on private place; German, age 34, single; 16 years' experience. C. SPECHT, care C. F. Bertanzel, Florist, Roslyn, L. I., N. Y.

Situation Wanted—By thoroughly experienced florist, successful propagator and grower of high-class cut flowers, potted plants, etc.; good designer; American, single, age 29; total abstainer, best of references; when answering please state wages; west or southwest preferred. Address FLORIST 518 North 19th st., Omaha, Neb.

Situation Wanted—As superintendent or manager of country estate; life experience in all departments of a large general estate; capable of planning and developing a new place; systematic and economical in management and highly recommended; kindly give particulars. Address SUPERINTENDENT, Box 81 R. F. D., West Austintown Ohio.

Help Wanted—Young man to work in first-class flower shop. BOHANNON FLORAL CO., 11 East Monroe St.

Help Wanted—At once, a man who can dig and pack nursery stock, mostly evergreens and fancy ornaments handled. J. J. BONNELL, 26 Avenue and East Galer, Seattle, Wash.

Help Wanted—A good sober all-around man to grow roses carnations, 'mums and a general line of bedding and blooming plants; a man not afraid to work; state wages and experience in first letter. GUS JOHNSON, 306 E Springfield Av., Champaign, Ill.

Help Wanted—Florist for general work in a small range of houses; must be competent to grow any small stock, also roses; a good job for the right party; with your reply state wages wanted and references; act quick.

OTTO SCHWILL & Co., Seedsmen, 18-20 S. Front St., Memphis, Tenn.

For Sale—\$8,000.00 seed and hardware stock, doing good business; good reason for selling. E. J. HOEBERGEN, Des Moines, Ia.

For Sale—At a bargain, a splendid greenhouse business in Indiana; only a small amount of capital needed by the right person. For particulars and terms address
Key 210, care American Florist.

For Sale—At a bargain, a modern greenhouse, 10,100 sq. feet of glass; equipment complete; 6-room house and barn; city lot 150x150; no capital needed to buy to right persons; pay for it as greenhouse earns it; local trade takes care of entire growings.
Key 223, care American Florist.

For Sale—Two Greenhouses, one house 16x50, one 12x30; furnace and work room 15x21; good seven-room dwelling with basement, good well, city water, electric lights, telephones; 2½ acres ground, good barns, lots of shade, fruit and berries; 72 miles from Chicago; city of 25,000; greenhouse well stocked for the winter with bulbs and plants; no opposition; stock of goods, tools, everything complete; if taken at once \$4,000. \$2,000 cash balance on time. Write or come and see me. J. W. KING, Rensselaer, Ind.; poor health reason for selling.

For Sale—Florist place in New England, half way between New York and Boston; All shipping facilities; good retail trade, designing, etc.; near two large cemeteries with own water supply and pipe line; two greenhouses, 100x22 ft., 60x14 ft.; four years old; another house needed to supply local demand; new boiler already set up in cellar for another house; lot of new piping, pipe, tools, etc.; greenhouses fully stocked and in full running order; store down town sells plants and flowers all the time; will sell whole place, with dwellings, barns, etc., or will sell just greenhouses and land they occupy; whole place is 8½ acres. Owner has other business to attend to. Write for particulars.
Key 216, care American Florist.

Wanted—A widow of 30 wishes to correspond with a good florist.

Key 222, care American Florist.

Wanted.

CARNATION GROWER.

Only first class man who is thoroughly qualified and capable of filling position and can furnish All references need apply. Address
Key 224, care American Florist.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west,

Key 217, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED

A working foreman to take charge of 50,000 feet of glass; mostly roses, carnations, violets and 'mums; send reference with first letter; wages to start at \$70.00 per month.

W. W. COLES, Kokomo, Ind.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders, assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

\$125 BUYS A LOT

25x247 feet long; \$5 down; \$5 monthly; no interest; good soil; splendid transportation; beautiful spot for florist or nursery; close to six cemeteries. Take Morgan Park car at 79th and Halsted sts. to end of line, walk block west; salesman on ground daily after 1 p. m.

J. S. HOWLAND, 138 Washington St., Chicago.
Phone Main 455.

SALESMAN WANTED.

Must be of good habits and one whose record will stand thorough investigation. Give details where you have worked, so we can look you up. Prefer a young man who has worked in cities of moderate size in the Central States. State salary desired and apply to

THE PARK FLORAL CO.,

J. A. Valentine President. DENVER, COLO.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long specials.....	\$3 00
36 inch.....	2 50
24 to 30 inch.....	2 00
15 to 18 inch.....	1 50
12 inch.....	1 00
Shorter...per 100, \$4 00. \$6 00	
Killarney, special.....	Per 100 \$10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Cardinal, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00

Richmond, special.....	Per 100 \$10 00
Long.....	8 00
Medium.....	6 00
Short.....	\$3 00 to 4 00
My Maryland, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
White Killarney, special.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Perle, medium.....	4 00 to 6 00
Short.....	2 00 to 3 00
Carnations, fancy.....	3 00 to 4 00
common.....	1 50 to 2 00

Chrysanthemums, Halliday, yellow; Robin- son, Touset Virginia Poehlmann, white; Rosiere pink—per doz., best \$2 50 to \$3 00; medium, \$1.50 to \$2.00. Pompons, 50; bunch Orchids, Cattleyas.....per doz., \$5 00 to \$6 00	Per 100
Harrisii Lilies.....	\$12 00 to \$15 00
Valley.....	3 00 to 4 00
Viola.....	75
Plumous Sprays, Sprenger.....	2 00 to 3 00
Plumous Strings, extra long.....	per string 60c
Smilax.....per dozen \$1 50 to \$2 00	
Galax.....per 1000, 1 00	
Ferns, fine, new.....	1 50
Boxwood.....per bunch, 35	
Adiantum Croweanum.....	75 to 1 00

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Chicago.

While reports of frost and cool weather are being received from different sections of the country, this city still basks in ideal summer weather. Sunday the thermometer registered 86°, and the parks took on a real summer aspect, being thronged with people, vast numbers of whom were sitting and lying on the grass. This long continued warm spell is making itself felt upon the market but the high grade which the flowers maintain under the existing conditions is really wonderful. While chrysanthemums have been on the market now for more than a month, this week practically marked the advent of the Queen of Autumn, for they are being received in large quantities in all forms, from the lowly pompon to the large majestic blooms, and in all the various shades and colors, and for displays have pushed the other flowers aside and reign supreme. In yellows, Robert Halliday is the best now on the market, and are better than in years past, while Crocus will soon be in, to be followed by Col. D. Appleton; in whites, Virginia Poehlmann is very fine and Mrs. Robinson and October Frost are to be seen; in pinks, Clementine Touset, Rosiere, Glory of the Pacific and Pacific Supreme are the varieties offered. The warm weather has caused a drop in the demand for chrysanthemums, as well as all other flowers. The rose cut has shortened up a little but the quality is as good as ever and there appears to be enough to fill all demands. American Beauty is magnificent and elegant stock is the rule, but short stemmed flowers are not over plentiful. Killarneys both pink and white are of exceedingly high grade and find an appreciative market, and other varieties are of equally good quality. Carnations are very good and excellent blooms can be obtained. Orchids are quite plentiful, both in number and variety, and are greatly admired by the buyers, and are a fine attraction at the stores. Lilies and Lily of the Valley are not overabundant but the quality is of the best. Sweet peas have made their appearance, and find a fair demand, but violets are extremely slow. Beautiful gardenias are now to be obtained and are selected over the other flowers for personal adornment. Cosmos and dahlias are the only remaining outdoor stock to be seen, and the former is in beautiful shape, but the dahlias

seem to have passed their glorious stage. The greens are fine but the use of autumn foliage has shortened the demand considerably. The outlook now is, that as soon as the weather turns cold there will be a tremendous shortage of all stock. While the wholesale houses all made a gain in September, it is being rapidly lost by the long continued spell of warm weather.

FLORISTS' CLUB COMMITTEES.

President Asmus has appointed the following flower committees: Flower booth, H. E. Philpott, chairman; H. D. Schiller, H. N. Bruns, F. W. Pasternick, W. H. Kidwell, A. I. Simons and James Curran; E. F. Winterston treasurer. Refreshments, Walter M. Scott, chairman; T. E. Waters and T. C. Yarnall; E. F. Winterston, treasurer. Banquet, A. C. Kohlbrand, chairman; W. N. Rudd, Alex. Henderson, Fred Lautenschlager and D. A. Robertson.

NOTES.

The Wholesale Florists' Employees' Association will give their fifth annual reception and ball October 25 at Columbus Hall, 1527 North Clark street. J. E. Enders is the manager and has nearly completed all the arrangements. The music will be furnished by Fitzgerald's orchestra, whose reputation as musicians is so well known. Tickets can be procured from the manager at Poehlmann Bros. Co., or from any of the employees at the leading wholesale houses. A royal good time is promised to all who attend.

The chrysanthemums are coming in to Poehlmann's Bros. Co. in fine shape, elegant Robert Hallidays, Mrs. Robinsons, Rosieres, Clementine Toussets and Virginia Poehlmanns, some of which are of a quality fit to decorate an exhibition table. The roses are in extra fine quality, with American Beauties in the lead, closely followed by elegant Killarneys and other varieties. Cattleya and lily of the valley of exceptionally good grade, and large, beautiful lilies of fine substance, and plenty of all kinds of stock to fill any order.

A very unfortunate accident happened at the Peter Reinberg establishment on Robey street, October 14, when Peter Knapp, one of the oldest employees, while unloading a stone car was instantly killed. He was a trusted employee of the concern, having worked for them for seventeen years. At the time of the accident Mr. Reinberg was at the houses and was the first to reach the unfortunate

man. The funeral was held from his home October 16, and a widow and four children mourn his loss.

Many of the florists are taking advantage of the extraordinary offers of Boston ferns and other decorative stock which the George Wittbold Co. are making. The stock is all in splendid condition, and is being sold rapidly. The shipping and delivery office has been moved to the southeast corner of the establishment in order to facilitate the work and a Howe platform scale has been installed. F. W. Nelson, manager of the retail store, reports business as exceptionally good, with a great deal of funeral work and many weddings.

Bassett & Washburn are cutting a large quantity of chrysanthemums and the Robert Hallidays that are being received by this firm are as fine a grade as were ever seen in this market, and the Virginia Poehlmanns are of enormous size and with a finish equal to any we have ever seen. We also noticed an excellent quality of fine long stemmed sweet peas, two houses are devoted to these, one of which is now in bloom and the other will follow in about two weeks.

At Peter Reinberg's we noticed that among the large shipments of all the leading varieties of roses that their Richmonds and American Beauties were of exceptionally good quality, the latter being of splendid color on long stems with luxuriant foliage, and as good a grade as were being offered in the market. Tim Matchen reports that notwithstanding the warm weather business has been very good and shipping trade has been holding up remarkably well.

A. H. Budlong, wife and son, and Mrs. J. A. Budlong constituted a party of four which participated in a two-week tour of the east in an automobile, returning October 10. They visited Cleveland, Buffalo and Niagara Falls, and thoroughly enjoyed the beautiful scenery of the country through which they passed. The weather was ideal, the roads excellent, and the whole trip was made without a mishap of any kind or any unpleasant feature.

The Raedlein Basket Co., 713 Milwaukee avenue, received a shipment of 11 large cases of florists' baskets on October 14. Miss Edna Kindler, who recently returned from Germany, attends to the office work, while Mrs. A. Kindler and G. Raedlein give their personal attention to the many orders

Chrysanthemums

White, Yellow and Pink, \$1.50 to \$3.00 per doz.

All strictly commercial varieties that ship well.

Big crop of Beauties and Roses also very fancy **Carnations** especially Red, stems 15 to 18 inches long.

PRICE LIST

AM. BEAUTIES,	Per doz.
36 in. and over.....	\$3 00
24 to 30 in.....	\$2 00 to 2 50
18 in.....	1 50
12 to 15 in.....	1 00
Short stems, per 100,	4 00 to 6 00

HARRISH LILIES.....per doz.,	1 50
".....per 100,	12 00

FANCY CARNATIONS,	Per 100
White, Pink and Red..	\$2 00 to \$3 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	Per 100
--	---------

Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	\$2 00 to 3 00
Extra select Kaiserin and Reid.....	8 00
ROSES , our selection....	2 00
White, Yellow and Pink 'Mums, per doz.....	\$1 50 to 3 00

	Per 100
Sweet Peas.....	\$1 00 to \$1 50
Lily of the Valley.....	3 00 4 00
Asparagus.....per string,	60
" Sprays, per 100,	\$3 00 to 4 00
Sprenger.....per 100,	2 00 to 3 00
Ferns.....per 1000,	1 50
Smilax.....per doz.,	1 50
Adiantum.....per 100,	1 00
Galax, green.....per 1000,	1 00
" bronze.....per 1000,	1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

which are being constantly received. This firm has recently purchased a Buick automobile and Curtis Kindler is filling the position of chauffeur.

The Chicago Carnation Co. is now receiving large shipments of chrysanthemums. The carnation houses at Joliet are in fine shape and the quality of stock is of the best. We noticed hanging on the wall the ribbons won at the state fair, six firsts, one second and one third. They have 41,000 plants in the houses, which cover an area of 150,000 square feet. Consignments of roses are now being received daily.

H. Van Gelder of Percy Jones' is receiving large quantities of white, pink and yellow chrysanthemums of an exceptionally good quality. Mr. Van Gelder has acquired several new consignors and is now receiving the output of 30 growers, 17 of whom have extra large places. October 15 was a banner day and the amount of business transacted was greater than that of last Christmas.

Buchbinder Bros., 518 Milwaukee avenue, manufacturers and dealers in store and office fixtures, recently received a shipment of 25 ice boxes and are making some very tempting offers to the trade. Several florists have already taken advantage of the opportunity to exchange their old fixtures for new, and are well pleased with the treatment extended by this concern.

C. W. McKellar is headquarters for exotics; orchids in great variety are received from both at home and abroad; Lily of the Valley of extra good quality, and beautiful gardenias, and to set them off well the handsome Adiantum Farleyense is always on hand. Mr. McKellar returned October 16 from a business trip to the southern part of the state.

Hoerber Bros. are receiving a large quantity of Bride, Richmond, Jardine, American Beauty and White and Pink

Chicago's Great Fall Flower Show

TO BE HELD AT

The Coliseum

Nov. 8-12 Inclusive

For Copies of Premium List, Address

J. H. BURDETT,
45 Wabash Avenue,
Telephone, Central 6004.
CHICAGO.

GEO. ASMUS, Manager,

45 Wabash Avenue,
Telephone, Central 6004.
CHICAGO.

Killarney roses, the latter being of exceptionally good quality. Chrysanthemums are arriving in large quantities and move readily. This firm is filling a large number of orders for florists' greens, a shipment having arrived this week.

The chrysanthemums and carnations at the Mount Greenwood cemetery greenhouses are in splendid condition and Foreman Johnson should have

some prize-winning blooms and plants for the exhibition. The seedling carnations are extremely interesting and it looked as if there were some that later may make quite a noise.

Kyle & Foerster this week are offering large quantities of white, yellow and pink chrysanthemums of exceptionally good quality. We noticed a very good grade of roses and carnations, the demand for the latter being exceed-

HIGH GRADE CUT FLOWERS

'Mums, Roses,
Carnations

And All Other Seasonable Stock

We are now receiving an especially excellent grade of **Bride, Richmond, White and Pink Killarney, and American Beauty Roses.**

Our **Carnations** are arriving in splendid condition, and are bound to give satisfaction.

A Trial Order Will Convince You

that our stock is of A1 quality and as good as can be found in the market. Send in your trial order now and become one of our satisfied customers.

 We Are Now Booking Orders for All Saints' Day.

Hoerber Bros., Telephone Randolph 2758
Greenhouses, Des Plaines, Ill.
Store, 51 Wabash Avenue, **Chicago**

was filed in probate October 13, the personal property and real estate amounting to \$57,000.

The roses, carnations and sweet peas at the J. B. Deamud Co. are of fine grade and some very handsome fancy chrysanthemums are noted at this store. Wild smilax is arriving in a much finer condition than for a number of years past.

F. A. Benthley of Kyle & Foerster's, received word October 16 that a nine-pound baby boy had gladdened the household of his son Frank at Grand Rapids, Mich. Frank is foreman at the Crabb & Hunter establishment of that city.

Zech & Mann are this week offering an excellent grade of chrysanthemums, roses and carnations, the latter being of exceptionally good quality. Sweet peas have made their appearance and sell readily at good market prices.

L. Leveson, 678 North Clark street, has been very busy the past week with wedding and funeral work. Mr. Leveson is carrying on the business of Palace Floral Co., formerly conducted by E. R. Armstrong.

J. A. Budlong is receiving a large quantity of white, pink and yellow chrysanthemums and an excellent grade of My Maryland, Richmond, White and Pink Killarney and American Beauty roses.

J. W. Starrett, who has charge of the floral decorations at the Hotel La Salle, had a very elaborate wedding decoration last week, and another large decoration for October 19.

The Chicago Rose Co. is this week offering a very good grade of Bride and Bridesmaid roses. Sweet peas have made their appearance and find a customer at a very early hour.

Charles Maier recently opened a store at 3223 Armitage avenue and is now prepared to fill all orders for anything in the cut flower line.

WEILAND & RISCH
WHOLESALE
GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE
CUT FLOWERS
IMMEDIATE DELIVERIES
59 WABASH AVE.
CHICAGO
PHONE CENTRAL 879

CURRENT PRICE LIST:

<p>BEAUTIES,</p> <p>Special..... Per doz. \$4 00</p> <p>Long..... \$2 50 to 3 00</p> <p>Medium..... 1 50 to 2 00</p> <p>Short..... 75 to 1 25</p> <p>Per 100</p> <p>Killarney, Special..... \$10 00</p> <p>White Killarney, Fancy..... \$6 00 to 8 00</p> <p>My Maryland, Medium..... 4 00 to 5 00</p> <p>Richmond, Short..... 2 00 to 3 00</p> <p>Carnations, select..... 2 00 to \$3 00</p> <p>common..... 1 50</p> <p>Chrysanthemums, fancy..... 1 50 to 2 50</p> <p>medium..... 1 50 to 2 00</p>	<p>Violets..... Per 100 75</p> <p>Lilies..... 15 00</p> <p>Valley..... \$3 00 to 4 00</p> <p>Adiantum..... 75 to 1 00</p> <p>Leucothoe Sprays..... 75</p> <p>Asparagus Plumosus, 60c to 75c per string.</p> <p>35c to 50c per bunch.</p> <p>Sprenger, 25c to 50c per bunch.</p> <p>Smilax, \$1 50 per doz. \$12 00 per 100</p> <p>Mexican Ivy..... \$6 50 per 1000. 75c per 100</p> <p>Ferns..... \$1 75 per 1000. 20c per 100</p> <p>Galax..... \$1 25 per 1000. 15c per 100</p>
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Subject to Market Changes.

Kennicott Bros. Co. is handling large quantities of all the different flowers of the season, sweet peas of an exceptionally good quality being among the daily arrivals.

Frank Johnson, salesman for the A. L. Randall Co., returned from a business trip to Kentucky October 16. He reports business as good and a most enjoyable trip.

Vaughan's Seed Store was a large exhibitor at the state fair held at

Springfield September 30-October 8, and was the winner of a great many premiums.

Henry Seitz, 6101 Evanston avenue, is enjoying an exceptionally good business, funeral and wedding work occupying his attention.

Carl Thomas is back with the A. L. Randall Co. for the fall and winter season.

Visitors: Paul Beyer, South Bend, Ind.; A. L. Glaser, Dubuque, Ia.

WE ARE NOW CUTTING AN EXCELLENT GRADE OF

Chrysanthemums

WHITE

YELLOW

PINK

\$1.25 to \$2.50 per doz.

WIETOR BROS., 51 Wabash Ave., Chicago.

L. D. Phone Randolph 2081

Fancy Carnation Blooms

STRICTLY FRESH. Our Carnations are in crop and we are in position to supply you with choice stock on short notice. Extra select, \$4.00 per 100; fancy, \$3.00 per 100; common, \$1.00 to \$2.00 per 100.**Eight Entries and Eight Prizes at the Illinois State Fair**

Address all orders and correspondence to CHICAGO.

CHICAGO CARNATION CO., A. T. Pyler, Manager. **35-37 Randolph St., CHICAGO.**

Chicago Bowling.

The following is a list of the donors and the prizes that have been offered: Poehlmann Bros. Co., six handsome scarf pins; Vaughan & Sperry, a handsome silver cup; George Asmus, a very pretty watch fob; John C. Moninger Co., six valuable umbrellas; E. C. Knight, 100 cigars. The Carnations and Violets are tied for first place, each team having won six and lost three games; the Orchids are in third place, having won five and lost four. The Roses are last, having won one and lost eight. On October 19, the Violets play the Orchids and the Roses the Carnations. The following table shows the individual and team scores for games played October 12:

Orchids.		Carnations.	
Huebner	144 153 155	Ayres	151 173 132
Graff	164 170 152	Krauss	123 178 132
Degnan	146 134 144	Winterson	151 144 181
Farley	143 157 151	Schultz	155 112 132
Zech	168 133 157	A. Zech	132 156 197

Totals.		Totals.	
762 747 759		712 713 774	
Violets.		Violets.	
Wolf	177 157 190	Vaughan	132 179 141
Byers	121 165 107	Liebermann	132 153 136
Johnson	171 168 156	Schiller	115 149 122
Kruchten	146 123 154	Lorman	177 118 101
Al. Fisher	133 177 140	Yarnall	155 162 197

Totals.		Totals.	
748 790 744		741 761 650	

The following table shows the individual average for games played this season:

Yarnall	173 1-9	Degnan	151 2-7
A. Zech	163 2-9	Graff	150 1-3
Vaughan	162 7-9	Wolf	149 1-3
Farley	162 2-3	Schultz	141 5-9
Ayers	162 1-9	J. Kruchten	141
J. Zech	160 8-9	Krauss	137 2-3
Huebner	159 5-9	Lorman	135 8-9
A. Fischer	158 5-9	Vogel	133
Pasternick	157 2-3	Byers	132 1-9
Liebermann	156 2-3	Goerlich	123
Johnson	155 1-9	Schiller	127 1-3
Winterson	153 1-3		

Peoria, Ill.

The trade here has organized a Retail Florists' Protective Association, with Chas. Loveridge president, J. N. Coles secretary and Jas. C. Murray treasurer.

Cole Bros.' stock is fine as usual, especially the roses, including American Beauty, Killarney, White Killarney, My Maryland and Richmond.

Jas. C. Murray's greenhouse establishment has been entirely renovated and is now in fine condition.

PALM LEAVES,

\$5.00 per thousand.

Magnolia Grandiflora Leaves, \$8.00 per ten thousand.**Florida (gray) Moss, 200 pounds for \$5.00.**

Cash with order,

25 years' experience.

VICTORY SCHMELZ & SON,**R. 2, Sanford, Florida**

Fred Nicholas, for some time with Frank E. Rue, has resigned his position and returned to Chicago.

D. U. Augspurger & Sons have a splendid lot of cyclamens in 5-inch pots.

Henry Baer's carnations are unusually fine this season.

Detroit.

Never before within the memory of the present generation of florists, have the destructive frosts been delayed so long as this year. In many parts of this vicinity, even light frosts have not yet appeared, and as a consequence the season of out-door flowers has been prolonged to a point of great value to the trade. Usually, the period following the disappearance of the late asters until the carnations are well advanced, is most embarrassing to the retailers, who find it impossible to satisfactorily conduct trade until the advent of a sufficient stock of carnations, which is later reinforced by the influx of the Queen of Autumn. This year, happily, the situation was quite favorable, for even yet out-door flowers are freely used, to care for the increasing fall trade which is now fairly opened, and with it come the earlier chrysanthemums and enormous crops of roses, together with a daily increasing crop of carnations, which completes the supply, ample in all respects to meet the demand. The continued warm weather, however, is now deplored by all, and is regarded as being responsible for retarding, in a large measure, the volume of trade expected at this time.

The club meeting, October 17, was well attended, but only a brief business session was held, before the entertainment committee took charge and supplied all with refreshments, and after which cards and billiards

were enjoyed till a late hour. The facilities for billiard playing are regarded as an attractive feature of the club's new quarters, and many of the former absentees are expected to be regular attendants hereafter. The attractiveness of Palmer Park, and its extensive nursery attached, was deemed by many members sufficient to justify a visit by the club in a body, and Sunday, October 23, was the day designated, when as many as possible will meet at 3 o'clock p. m., at the entrance to the park, where Harry Hunter, who has charge of the nursery, will meet the boys and escort them through the place. An invitation was extended the club by the Mt. Clemens florists to visit their establishments on November 3. The invitation was gladly accepted, and the fourteenth annual outing will take place. A special car will leave Detroit, corner of Fort and Congress streets, at 9 o'clock November 3. The Toledo florists are invited to participate in the annual event that never fails to enlist the interest of nearly every member of our club.

William Dilger, for many years park superintendent of Belle Isle, will leave that position November 1. R. A. Hollister, for several years manager of Palmer Park, will succeed Mr. Dilger and Albert F. Breitmeyer, brother of Mayor Breitmeyer, will take charge of Palmer Park.

John C. Bongula, who conducted a small florist's establishment for many years on Military avenue, died October 14. The funeral was held October 17.

B. Schroeter is building a handsome residence on Helen avenue, and will occupy it before Christmas next.

Herman Klagge has the sympathy of the trade because of the loss of his wife, who died October 17.

Frank Holznagle is enjoying an outing in the hunting regions near Alpena, Mich.

J. F. S.

Heavy Supply 'MUMS' Good Quality

PINK - WHITE - YELLOW

Try our White and Yellow Touse. They are sure to give satisfaction.

Send us your orders and get the BEST TO BE HAD.

We are also Strong on Roses

Beauties, Richmond, Maryland, Jardine, Kaiserin, Pink Killarney, White Killarney, Bridesmaid, Bride, Mrs. Marshall Field.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

All Saints' Day
Orders Now
Being Booked.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty....
WHOLESALE
GROWER OF CUT FLOWERS

Milwaukee.

The market in general is fair and this week will no doubt see the arrival of a quantity of chrysanthemums. Roses are of very good grade and quality, especially Perles, Killarneys and Richmonds. American Beauties are of a very fine grade, mostly long stems, there being a scarcity of shorter grades. Carnations are as fine as they ever have been at this season of the year and plentiful enough to fill all demands. Violets are coming in more regularly, of fine grade, and selling readily. Gladiolus and dahlias are still coming in, the latter selling well, but the former are not cleaning up as well as they have. Lilies are more plentiful and there is Lily of the Valley enough to go around. The green goods market is well supplied.

The Flower Show committee is hard at work making preparations for the show and it is now up to all who wish to compete to get busy and send in their entries early and not wait until the last minute but give the committee a show.

Nic Zweifel is cutting a nice lot of Bright Spot carnations. He has a large number planted from which to make cuttings for orders he has been taking the last year and which are quite large.

Holton & Hunkel are cutting some nice chrysanthemums of fancy varieties. They expect to cut large quantities in the next few weeks. Their roses are exceptionally fine.

J. M. Fox & Son report business good, with a large amount of funeral work. Among the designs was a casket cover of Killarney roses and Lily of the Valley.

The Bowling Club bowls regularly every Tuesday at Steinkes' alleys at the corner of Eleventh street and Prairie. All florists are invited to attend.

Edlefsen & Liediger Co. report business satisfactory. They are cutting a large quantity of chrysanthemums at their own houses.

C. C. Pollworth Co. are getting some very fancy chrysanthemums, pansies and sweet peas, which are being taken up at sight.

Currie Bros. Co. report business picking up, with a number of wedding orders in and out of the city.

Robt. Zepnick is cutting nice pansies and violets, which are handled by the C. C. Pollworth Co.

M. A. McKenney & Co. were also busy with funeral work and report business satisfactory.

Max Reitz has opened up a new store at Twentieth street and Fond du Lac avenue.

Visitors: Mr. Eschener, M. Rice & Co., Philadelphia; Miss A. Meyer, Capital City Greenhouses, Madison; E. S. Austin, Delavan. G. R.

Baltimore.

Among the best, if not the very best, managed range in the vicinity of Baltimore is that of Isaac N. Moss, Govanstown. We said range, but he has two ranges and a nursery. He grows a general stock, his roses and poinsettias being especially worthy of mention. In addition to being a good florist, Mr. Moss is a good man. We mention this because he is too modest to talk about himself and we think it is better to tell of a man's good qualities while he is alive and it can give him some satisfaction to learn that he is appreciated. As a rule, our good words and flowers are showered on our friends after they are dead.

At John Cooke's store, North Charles street, which is conducted by his amiable and capable daughters, very fine blooms of his latest rose production, Radiance, are now seen. "My Mary-

land" is also seen at its best, as it should be, in this store. Though in a locality where competition is very keen, these clever young women continue to increase their sales of cut flowers and do a large business in funeral work.

Fred C. Bauer, of Govanstown, who has built two modern houses this summer, has about the finest carnations he has ever had, the plants having been put out early and made a fine growth before they began to feel the effects of the long continued drought. This seems to be the general experience, while plants set out late made very poor growth.

Albert G. Fiedler, 902 South Charles street, has a fine store and at present is having a very successful sale of ferns and other seasonable foliage plants. In addition to this, he has constant orders for funeral work, which, it may be stated, he executes in the most tasteful and intelligent manner.

Harry J. Quick, who grows for the wholesale trade, is making a fine showing in pot plants. Incidentally, he is improving his houses.

Buffalo.

Trade conditions are fair, with weather all that can be expected for October. Cosmos, the flower that is so good for a decoration to help out the chrysanthemums, is coming in good shape. A good pink, white and yellow chrysanthemum is coming in now, Monrovia, Glory of the Pacific and a good white, which are a great help for this particular time. Roses show improvement and orchids are good. Several weddings of medium proportion gave the florists some work.

NOTES.

S. A. Anderson had a very attractive window last week, with a canary bird

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable stock, such as 'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST		
American Beauty		Per doz.
Long stem	.....	\$3 00
30 inch stems	.....	2 50
24 inch stems	.....	2 00
20 inch stems	.....	1 50
15 inch stems	.....	1 25
12 inch stems	.....	1 00
Short stems	....\$4 00 to \$6 00	per 100
Richmond, fancy		Per 100
select	.....	\$8 00 to \$10 00
medium	.....	6 00
medium	.....	4 00 to 5 00
Killarney, fancy		Per 100
select	.....	\$8 00 to \$10 00
medium	.....	6 00
Bridesmaid	.....	4 00 to 5 00
Bride, fancy	.....	8 00 to 10 00
medium	.....	4 00 to 5 00
My Maryland, select	.....	8 00 to 10 00
medium	.....	4 00 to 5 00
Chatenay	.....	5 00
Ivory	.....	5 00
ROSES our selection	.....	3 00
CATTLEYA LABIATA, per doz		....\$6 00
Gladioli, named varieties		Per 100
in mixture	.....	\$4 00 to \$6 00
Carnations	.....	1 50 to 2 00
Valley	.....	1 50 to 3 00
Easter Lilies	.....	3 00 to 4 00
Sprengerl	..... per bunch	12 00 to 15 00
Asparagus Plumosus	.....	25c to 35c
extra quality per bunch	.....	35c to 50c
Fancy Ferns	.....
per 1000	.....	\$1 50
Chrysanthemums	..... per doz	1 50 to 3 00
Wild Smilax	..... per case	5 00

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

and gold fish, in one bowl. It was unique and very much admired.

A well attended meeting on Tuesday last with grave Chairman Kasting in the chair. The different florists picked out their space and after all was explained by Chairman McClure a good arrangement was perfected. The enthusiasm of the florists is beyond all expectations and from the present outlook the flower show will be a great success. All seem to be imbued with the fact that a successful flower show will help all, and do more than ever to encourage the sale of flowers.

BISON.

Cleveland.

Business has been fairly good the past week, considering the centennial celebration. Dahlias are arriving in vast quantities, all colors and sizes, and sell exceptionally well; chrysanthemums also in larger numbers but are as yet hardly equal to the demand. Fine October Frost and Golden Glow, besides many smaller varieties, selling on sight. Carnations are in better supply and the demand good, and smilax is having a good call. White and pink roses are exceptionally good, and the call for these and American Beauties is all that could be desired, and the quality is improving daily. Cosmos, both pink and white, make good window displays. Lily of the Valley is plentiful with fair demand, and some very fine orchids (Cattleya Labiata) arrive daily. Swainsona is in good demand and all kinds of green are plentiful. Some very artistic windows were seen the past week in honor of the Cuyahoga County Centennial.

NOTES.

At the automobile parade at the centennial there were nearly 1,000 automobiles in line, of which a large number were decorated with flowers and greens. One automobile trimmed in lavender silk had nearly 100 orchids besides many artificial ones. It was the most artistic in the parade and was awarded second prize. The car belonged to the Rambler Automobile

"THE BUSIEST HOUSE IN CHICAGO."

EVERY promise we make we can and will live up to. Experience shows us that we make and keep more customers in this way than in any other.

We quote you at the lowest market price the best stock in

Beauties, Foses, Carnations, Mums,
Valley, Orchids, Violets, Sweet Peas,
Boxwood, Sprengerl, Ferns, wild Smilax.

Send us a trial order and be convinced.

J. B. DEAMUD CO.,

L. D. Phone Central 3155

51 Wabash Ave., CHICAGO.

Co. and was decorated by Mrs. E. G. Wilson. C. M. Wagner entered his car in the parade, which, although it did not take a prize, was a fine work of art. Bramley & Son entered their car and American Beauties were used profusely in its decoration.

A number of florists from around Cleveland visited here during centennial week and called on the various wholesale houses.

M. Boyd, formerly of Cleveland and now located in Detroit, visited friends in and around the city the past week.

John Blechschmitt is sending in the first of his sweet peas, and the quality is exceptionally fine.

C. F. B.

Illinois State Fair.

The following awards were made for plants at the Illinois state fair, Springfield, September 30 to October 8. The awards for cut flowers and floral designs appeared in last week's issue, that of October 15, page 585:

Collection of stove and greenhouse plants, etc.—Geo. Van Horn, Springfield, first; Geo. M. Brinkerhoff, Springfield, second; Gaupp & Wirth, Springfield, third.

12 palms grouped for effect—Geo. Van Horn, first; Geo. M. Brinkerhoff, second; Gaupp & Wirth, third.

6 palms, 3 varieties—Geo. M. Brinkerhoff, first; Geo. Van Horn, second; A. C. Brown, Springfield, third.

2 palms—Geo. M. Brinkerhoff, first; Geo. Van Horn, second; Janssen Seed & Floral Co., Springfield, third.

1 palm—Vaughan's Seed Store, Chicago, first; Geo. M. Brinkerhoff, second; Geo. Van Horn, third; Gaupp & Wirth, fourth.

Cycas Revoluta—Vaughan's Seed Store, first; Geo. M. Brinkerhoff, second.

Araucaria, any variety—Vaughan's Seed Store, first; Geo. A. Kuhl, Pekin, second; Janssen Seed & Floral Co., third.

12 Crotons, in variety—Vaughan's Seed Store, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

Best ornamental or foliage plant—Geo. Van Horn, first; Geo. M. Brinkerhoff, second.

12 begonias, flowering, in variety—Gaupp & Wirth, first; Geo. Van Horn, second; Geo. M. Brinkerhoff, third.

12 geraniums, 8-in. pots, in variety—A. C. Brown, first; Geo. M. Brinkerhoff, second; Janssen Seed & Floral Co., third.

Specimen geranium, 8-in. pot—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; Mrs. L. H. Miner, Springfield, third.

Cut Flowers * E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.
Store: 51 Wabash Avenue **CHICAGO**
Mention the American Florist when writing

Percy Jones

60 Wabash Ave., **CHICAGO**

12 ferns, distinct, one of each—Geo. M. Brinkerhoff, first; Geo. Van Horn, second; Geo. A. Kuhl, third.

6 ferns, distinct, one of each—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; Geo. Van Horn, third.

4 adiantums, distinct—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; Gaupp & Wirth, third.

4 Nephrolepis Bostoniensis, 8-in. pots—Geo. Van Horn, first; Gaupp & Wirth, second; Geo. M. Brinkerhoff, third.

4 Nephrolepis Piersoni, or other sports of Boston, 8-in. pots—Geo. Van Horn, first; Gaupp & Wirth, second; Geo. M. Brinkerhoff, third.

4 Nephrolepis Whitmani, 8-in. pots—Geo. A. Kuhl, first; Vaughan's Seed Store, second; Gaupp & Wirth, third.

4 Nephrolepis Scottii, 8-in. pot—Geo. Van Horn, first; Gaupp & Wirth, second; Geo. M. Brinkerhoff, third.

1 Nephrolepis Bostoniensis, 10-in. pot—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; Geo. Van Horn, third.

1 Nephrolepis Piersoni, or other sports of Boston, 10-in. pot—Vaughan's Seed Store, first; Geo. Van Horn, second; Gaupp & Wirth, third.

1 Nephrolepis Whitmani, 10-in. pot—Gaupp & Wirth, first; Geo. M. Brinkerhoff, second; Janssen Seed & Floral Co., third.

1 Nephrolepis Scottii, 10-in. pot—Geo. M. Brinkerhoff, first; Gaupp & Wirth, second; Geo. Van Horn, third.

1 Cibotium Schiedel, 8-in. pot—Geo. M. Brinkerhoff, first.

4 Dracena, four varieties—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; Vaughan's Seed Store, third.

4 Pandanus Veitchii—Geo. A. Kuhl, first; Gaupp & Wirth, second; Geo. M. Brinkerhoff, third.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Oct. 19,		
Roses, Beauty, extra select...	3 50	
" " specials.....	3 00	
" " 36 in.....	2 50	
" " 30 in.....	2 00	
" " 18 in.....	1 50	
" " 15 in.....	1 25	
" " Short.....	1 00	
Per 100		
" Bride, Bridesmaid, select...	3 00@ 8 00	
" " medium.....	2 00@ 2 50	
" Killarney, select.....	3 00@ 10 00	
" " medium and short.....	2 00@ 2 00	
" Kaiserin.....	3 00@ 10 00	
" Mrs. Jardine.....	3 00@ 10 00	
" Chatenay.....	2 00@ 10 00	
" My Maryland.....	2 00@ 10 00	
" Perle.....	3 00@ 10 00	
" Richmond.....	3 00@ 10 00	
" Uncle John.....	3 00@ 10 00	
" White Killarney, select.....	4 00@ 10 00	
" " medium.....	2 00@ 3 00	
Carnations.....	1 00@ 3 00	
" fancy C. F.....	4 00	
Chrysanthemums...per doz.,	2 00@ 3 00	
Cattleyas.....per doz.,	4 00@ 6 00	
Gardenias.....per doz.,	3 00@ 4 00	
Dendrobium Formosum	5 00@ 6 00	
Dahlias.....	2 00@ 4 00	
Gладиoli.....	3 00@ 5 00	
Lilium Harrisii...per doz.,	2 00 10 00@ 12 00	
Lily of the Valley.....	2 00@ 4 00	
Mexican Ivy.....	75@ 1 00	
Adiantum.....per 100,	75@ 1 50	
Asparagus Plum. strings, each,	60@ 75	
" " sprays.....	3 00@ 4 00	
" Sprengerii.....	3 00@ 4 00	
Ferns.....per 1000,	1 50@ 2 00	
Smilax.....	15 00	
Boxwood.....	15 00	
Wild Smilax.....per case,	\$5 00	
Leucothoe.....	75	

12 coleus in variety, 6-in. pot—Geo. M. Brinkerhoff, first; A. C. Brown, second; Geo. Van Horn, third.

12 Baby Ramblers, in bloom—Geo. M. Brinkerhoff, first; A. F. Hey Floral Co., Maywood, second.

12 Clothilde Soupert, in bloom—Geo. M. Brinkerhoff, first; A. T. Hey Floral Co., second.

One Asparagus Plumosus, 10-in. pot—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

Collection fancy leaved caladiums, 15 plants—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; Geo. A. Kuhl, third.

One hanging basket fern, 14-in.—Gaupp & Wirth, first; Geo. M. Brinkerhoff, second; Janssen Seed & Floral Co., third.

One hanging basket, sprengerii, 14-in.—A. C. Brown, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

51 Wabash Ave., **CHICAGO.**
Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market
60 Wabash Ave., **CHICAGO.**

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager

Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., **CHICAGO.**
Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our
own greens and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S. W. cor. Clark St
H. Schuenemann, Capt. Bridge, **CHICAGO**

One hanging basket, various plants—
Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Gaupp & Wirth, third.

Basket, foliage plants for effect—
Geo. A. Kuhl, first; Gaupp & Wirth, second; Geo. M. Brinkerhoff, third.

One window box, 5 ft. x 8 in., filled—
Geo. M. Brinkerhoff, first; Geo. Van Horn, second; Gaupp & Wirth, third.

One fern dish, filled—A. C. Brown, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

Collection of bulbs for fall planting,
correctly named—Vaughan's Seed Store, first; Janssen Seed & Floral Co., second; Geo. A. Kuhl, third.

Collection of ornamental shrubs,
correctly named, in variety—Janssen Seed & Floral Co., first; F. Janssen, Springfield, second; Vaughan's Seed Store, third.

EASTER LILIES.

\$1.50 per doz. \$10.00 per 100.
Grown by an expert, they are all that
could be desired.

THE LEO NIESSEN CO.,Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,**VALLEY.**

Special, \$4.00 per 100.
First, \$3.00 per 100.
We always have plenty good Valley.

Philadelphia, Pa.**SAMUEL F. LILLEY****WHOLESALE FLORIST**

5 South Mole Street
(Near Broad Street Station)

PHILADELPHIA, PA.

A good market, good stock, and satisfaction guaranteed.

Philadelphia.**STOCK ABUNDANT**

Again last week the temperature took an upward turn and the general comment among the florists was that it was too warm for good business. Chrysanthemums are now arriving quite freely and white dahlias and cosmos yet in abundance, there is a wealth of beautiful flowers, but the practical dealers would be satisfied if they could see fewer flowers and more money. In addition to the foregoing orchids, roses and carnations of excellent quality are seen. It would appear that the long spell of clear weather has given roses and carnations a great start, so there is good grounds for the hope that there will be good crops when the busy, if belated, season of activity does arrive. A veteran in the business once stated that "the florists are a hopeful lot," and the florists of this city are no exception to the rule.

October 17.—There is more stock arriving than can be conveniently handled. The warm weather continues and is having a bad effect on chrysanthemums and violets, neither of which last long under present weather conditions.

NOTES.

One of the finest show windows seen here of late was recently noted at the store of the Pennock Bros. Notable, was a great display of orchids, the new double Killarney rose was also prominent. There were many fine chrysanthemums, gardenias and minor flowers, the whole being most artistically arranged in connection with pot ferns and other foliage plants and suitable cut green.

The Leo Niessen Co. is showing an exceptionally fine quality of orchids, American Beauty roses, chrysanthemums and Lily of the Valley. The business of this firm is constantly increasing, and if they keep up the present gait, their store will soon be the busiest wholesale mart of Philadelphia.

Our esteemed cousin, George Faulkner, after having his store finely painted and decorated, is now showing the best of everything in flowers.

H. Bayersdorfer & Co. have just received a large consignment of imperial china flower baskets and fern dishes and the display is very striking and beautiful. Among the many visiting customers at their store last week were Miss Lena Held, of Baltimore, and Mrs. J. Hague, of Reading.

Miss Jessie Drew Bear, who manages the London Flower Shop, Ltd., at 1609 Chestnut street, says that she is much encouraged with the outlook for business. A feature of this store is a window display of genuine Scotch heather.

Wholesale Flower Markets

PHILADELPHIA, Oct. 19.		Per 100
Roses, Beauty, extra.	15 00@25 00	
" " first	8 00@10 00	
" Brides and Maids.	1 00@ 5 00	
" Killarney	1 00@ 6 00	
" White Killarney	1 00@ 5 00	
Cattleyas.	35 00@50 00	
Dahlias	1 00@ 3 00	
Lilium Harrisii.	6 00@ 8 00	
Lily of the Valley.	2 00@ 4 00	
Snappdragons.	4 00@ 8 00	
Adiantum.	75@ 1 00	
Asparagus.	per bunch, 50	
Smilax	15 00@20 00	
Violets.	25@ 40	
Chrysanthemums.	per doz. 1 00@2 50	

PITTSBURG, Oct. 19.		Per 100
Roses, Beauty, special.	12 00@15 00	
" " extra.	8 00@12 00	
" " No. 1.	4 00@ 6 00	
" Bride Bridesmaid	1 00@ 6 00	
" Chateau	1 00@ 6 00	
" Killarney	1 00@ 6 00	
" My Maryland	1 00@ 6 00	
" Richmond	1 00@ 6 00	
Carnations	1 00@ 3 00	
Asters.	1 00@ 2 00	
Chrysanthemums, per doz.	6 00@15 00	
Dahlias.	1 00@ 2 00	
Gladioli	2 00@ 5 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley.	3 00@ 4 00	
Sweet Peas.	50@ 1 00	
Adiantum	1 50	
Asparagus Sprenger.	per bunch, 50	
" strings.	per string, 50	
" sprays.	per bunch, 50	
Smilax	15 00	
Cattleyas.	60 00	

Miss Carrie Burton, formerly with Robert Kift, but for the greater part of the past year engaged in special work at the U. S. Botanical Gardens, Washington, D. C., has finished her work there and returned to Mr. Kift's store.

On October 16, the Philadelphia North American, in a full page illustrated article, featured the flower trade of this country, under the heading: "18,500,000 a Year for Sentiment."

Dreer's new greenhouse plant at Riverton is progressing rapidly and in another month will be ready for occupancy.

Pittsburg.

The continued summer weather is effecting business to a considerable extent. There are thousands of dahlias and gladioli still coming in, which tend to cheapen the indoor article. Chrysanthemums as a rule move very briskly at this time of the year, but this season the people do not seem to care whether they get them or not. Only the early varieties are in evidence, but they are very much so. Lilies continue fairly active. Roses are still rather slow, while the demand for carnation, Lily of the Valley and violets is good.

NOTES.

At Schenley Park, Foreman Jones expects to have at least one house of chrysanthemums on exhibition next Sunday. On the following Sunday the main exhibit will take place.

Walter Breitenstein is now in the landscape business, his office being in the Oliver Building.

Gilbert Weaklin states that he is very well pleased with the amount of business transacted during his opening week.

The Pittsburg Dispatch gave a full

THE TWO KILLARNEYS**MARYLAND---PERLES.**

QUALITY FINE.
PRICES LOW.

The McCallum Co., Inc.
PITTSBURG, PA.

Asters, Gladioli, Beauties,**Roses, Sweet Peas.**

All seasonable flowers.

Pittsburg Florists' Exchange,
15 Diamond Square, **PITTSBURG, PA.**

The Florists' Exchange...

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, **PITTSBURG, PA.**

John W. McIntyre

WHOLESALE FLORIST.

Chrysanthemums, all colors.
1601 Ransstead St., **PHILADELPHIA, PA.**

page writeup on the flower business on the front page of their Sunday Magazine October 16.

B. F. Engle, Rochester, Pa., is putting in a new office.

W. S. Kidd, New Brighton, is putting in a new boiler.

Some very fine white and pink Killarney are seen at the McCallum Co. Perles, Bon Silene and La Detroit are also seen here.

Quantities of chrysanthemums are being moved at the Pittsburg Cut Flower Co.

A. W. Smith Co. is still cutting quantities of gladioli at their Ohio farm.

The East End Store of H. L. Blind & Bro. has had several large decorations.

T. M. Fitzgerald, Beaver, Pa., was a recent visitor.

SEATTLE, WASH.—A change in the firm of Graff's Flower Shop on First avenue and Madison street has been announced, the successor is E. Fortlouis. The management will be in the hands of A. Fortlouis and the designing and decorating features will be under the direction of R. W. Schenk, who has gained a wide reputation in eastern cities.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

While the thermometer has been reported as low as 26° on one night, yet the weather continues very warm and roses, carnations and chrysanthemums are very abundant. The best quality of roses are in unfailing demand. The finest chrysanthemum on the market is Virginia Poehlmann, a creamy white tinted pink, other whites are Polly Rose, G. S. Kalb and Ivory, Rosiere, Glory of the Pacific and Pacific Supreme are the pink and Golden Glow, Monrovia and Robert Halliday the yellow varieties. Carnations are abundant and of good quality. Violets, snapdragons and cosmos are to be seen and Lilium Giganteum of the finest quality. Altogether the report is "good market."

NOTES.

They are very busy at H. M. Robinson & Co.'s, large shipments of immortelles and magnolia leaves being received, and one order of half a car of southern smilax to one retailer being events of the week.

At the Gardeners' and Florists' Club October 18 meeting, Edward McMullen will speak on "The Retail Florist," what is expected of him, and what he has been doing the last 30 years.

The local members of the Board of Control of the National Flower Show met October 11, and report that the available space is being taken and wide interest shown in the schedule.

The annual meeting of the stockholders of the Boston Flower Exchange will be held at Young's Hotel October 22. Dinner at 7 p. m.

Welch Bros. are very busy in all lines of stock and are having unusual large sales of Cattleyas.

The Co-operative Flower Market held their annual meeting October 17.

W. T. H.

Morristown, N. J.

The Morris County Gardeners' and Florists' Society, through its flower show committee, has pretty well gotten through with the details of the big show. Of course, there is lots to do yet, but the planning part is pretty nearly over. The society owes much to this committee, as it also does to the flower show committee of the Morris County Golf Club, for they have worked hand-in-hand, early and late, and if anything miscarries it will not be their fault. The show was originally intended to be held in the Whippany River Club, but that building was burned down last July. Through the influence of our society friends we se-

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Oct. 19.		Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	15 00
" " culls	2 00	4 00
" " Bride, Bridesmaid	1 00	4 00
" " Extra	5 00	8 00
" Killarney and Richmond	1 00	6 00
" My Maryland	1 00	8 00
" Carnot	2 00	8 00
Carnations, select	1 00	2 00
" fancy	2 00	3 00
Callas	8 00	10 00
Cattleyas	35 00	50 00
Chrysanthemums	8 00	25 00
Gardenias	16 00	25 00
Lilium Longiflorum	6 00	8 00
Lily of the Valley	2 00	4 00
Violets	50	75
Smilax	12 00	16 00

ST. LOUIS, Oct. 19.		Per 100
Roses, Beauty, long stems	15 00	20 00
" " medium stems	8 00	10 00
" " short stems	2 00	4 00
" " Bride, Bridesmaid	2 00	5 00
" Killarney	3 00	5 00
" My Maryland	3 00	5 00
" Richmond	4 00	
Carnations	1 50	2 00
" fancy	2 50	
Easter Lilies	10 00	12 50
Adiantum	1 00	
Asparagus Sprenger	2 00	3 00
Smilax	12 50	15 00

CINCINNATI, Oct. 19.		Per 100
Roses, Beauty	1 00	3 00
" " Bride, Bridesmaid	2 00	6 00
" " Golden Gate	2 00	6 00
" Killarney	2 00	6 00
" Richmond	2 00	6 00
Carnations	1 00	3 00
Callas	10	
Daisies	50	
Lilium Longiflorum	10 00	12 50
Lily of the Valley	3 00	4 00
Adiantum	1 00	1 50
Asparagus Sprenger, per bch.	25	
Smilax	12 50	15 00
Gladiola	3 00	4 00

MILWAUKEE, Oct. 19.		Per 100
Roses, Beauty, per doz.	50	3 00
" " Bride, Bridesmaid	3 00	6 00
" Killarney	3 00	8 00
" Richmond	3 00	6 00
" Perle	3 00	6 00
Carnations	2 00	3 00
Gladioli	3 00	5 00
Lilium Giganteum, per doz.	2 00	12 50
Lily of the Valley	3 00	4 00
Magnolia	35	
Snapdragon	2 00	4 00
Adiantum	1 50	
Asparagus	50	60
" Plumosus, per bunch	35	50
" Sprenger	35	

Ferns, Fancy	per 1000	1 50
Galax	per 1000	1 50
Smilax	per doz.	1 50
Violets		75
Mums	per doz.	1 50
" Single and Anemone varieties	per bunch	50

cured the Morris County Golf Club's aid. They have given us their clubhouse, situated about 200 yards from Convent Station (between Morristown and Madison). We have 121 classes all told, and \$3,000 in cash prizes to bestow on them. Representative specialists from all over the country have accepted appointments as judges, so there is a square deal in store for everybody. We want a big show in Morristown more than anything else. Our patrons want this and every prize

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones,
Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.
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New York.

BUSINESS STAGNANT.

Market conditions for the past week have not been anything to brag about. There seems to be a general stagnation of business, and while there is not an over abundance of stock arriving, the demand is at times under the supply. However, toward the end of the week a slight improvement has been noticed. Various opinions have been advanced by many of the older dealers as to the cause of the present business depression, some claiming the quiet conditions in Wall street, others the amount of capital spent in the purchase and maintenance of automobiles, but the consensus of opinion seems to blame the very unseasonable weather, which has a tendency to keep everyone who can possibly manage out of the city and with the country radiant in its autumn splendor, people have not yet caught the flower buying fever. All stocks are arriving in good condition, but owing to the lack of demand, are bringing lower prices than usual at this season of the year.

NOTES.

Young and Nugent, West Twenty-eighth street, have a fine display of cattleyas and chrysanthemums in their window artistically arranged with ribbons to match and a background of Scottii ferns and crotons. Manager Wm. A. Hanft, of this firm, has just recently celebrated his ninth wedding anniversary.

At the next meeting of the New York Florists' Club in November, John D. Withers will lecture on his trip around the world. Mr. Withers has a very fine collection of views which he will show and the lecture promises to be a very interesting one, and the ladies are extended a very cordial invitation to attend.

The sixteenth annual exhibition of the Dutchess County Horticultural Society will be held in the state armory at Poughkeepsie, N. Y., on October 27-28. For prize list and entry blanks, address the secretary, Herbert G. Cottam, Wappingers Falls, N. Y. No entry fee will be charged.

M. C. Ford is receiving from Myers & Samtman, Chestnut Hill, Pa., some fine American Beauty and My Maryland roses, also their new pink rose, Hilda.

Wm. L. Ford is receiving some fine chrysanthemums.

The Kervan Co. will probably open their new store on Twenty-eighth street about the end of this month, where with the additional facilities they will be better able to handle their ever increasing business.

New Jersey Florists' Club Bowling Association scores:

Fenrich ... 145	135	146	C. W. Scott	121	139	102
McArdle ... 116	103	131	Berry	152	132	143
P. J. Smith	98	141	141	Tieser	119	85
Marshall	86	124	97	Nugent	91	73
Manda	122	158	155			

The New York Horticultural Importing Association will have a dinner at Kabil's restaurant to discuss several topics of interest to the members.

H. Van Rippen, formerly with the Growers' Cut Flower Co., has engaged with P. J. Smith. He starts in his new position on October 17.

Frank M'lang has leased the stand recently vacated by Chas. Smith Sons on the third floor of the Cut Flower Exchange.

Traendly & Schenck are receiving some fine cattleya plants, each plant averaging at least 10 blooms.

Chas. Schmelter, of Secaucus, N. J., is Chas. Roth's successor at the Cut Flower Exchange.

The Pennock & Meehan Co. are receiving some fine Killarney roses.

P. J. Smith won the prize of a gold pin offered by A. Moltz.

Yonkers, N. Y.

The meeting of the Horticultural Society was held in Wiggins Hall October 7, and owing to the absence of the president and vice-president, Secretary Scott called the meeting to order and appointed H. Nichols chairman pro tem. The committee on the June show made their final report and were discharged with thanks, and Mr. Millot received a very hearty vote of thanks for the capable manner in which he performed the duties of manager of that show. One new member was elected and several applications received. Mr. Sheppard exhibited two very fine apples of the Bismark variety, grown on dwarf trees planted out in the spring of 1909. The question box was instituted for the first time and a question was asked as to the best way to tell the different varieties of tea roses and Mr. Waite volunteered to have an answer ready at our next meeting. The question of how to get clear of San Jose scale and whether there was any law pertaining

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to the cleaning up of old orchards in vacant lots was introduced, and after discussion it was decided to write the authorities at Albany, and Mr. Millot volunteered to attend to that matter. Mr. Hendry read a very interesting essay on "Chrysanthemums as Grown in England." A general discussion followed the reading of the essay, which was participated in by Messrs. Waite, Mooney, Scott and others, and a hearty vote of thanks given to Mr. Hendry. The committee on the fall show reported progress, having received a large number of donations for which they were very thankful. The next meeting will be held on November 4. We were all very glad to see Mr. Waite, who is looking very much better after his vacation.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its regular meeting at Pembroke Hall, October 12. One new member was elected and one application received. The schedule for the fall show is out, and judging by the prizes offered this year, it will surely eclipse all others previously held by the society, especially under the management of James Halloway, assisted by Geo. Ashworth. Awards were as follows: Society's prize for best vase of peony flowered dahlias, T. J. Trepass, 1st; H. Gaut, 2d. Cultural certificate to Geo. Dorber, Center Island, for a grand vase of roses My Maryland and Chatenay; to Fr. Petroccia for cauliflower and onions; honorable mention to J. McDonald and Fr. Petroccia for vases of cosmos, and H. Gaut for sweet potatoes and cosmos; to I. Robertson for vase of roses Ivory, also for three beautiful celosias. A silver cup was donated by Budd's Seed Store, New York, for best collection of bulbs. Next meeting is to be "chrysanthemum night," and prizes will be awarded to best three white, three pink and three yellow.

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NEW YORK, Oct. 19.

Roses, Beauty, special.....	10 00@25 00
extra and fancy.....	5 00@10 00
No. 1 and No. 2.....	3 00@4 00
Bride, Bridesmaid, special.....	4 00@5 00
extra and fancy.....	1 00@2 00
Killarney, special.....	4 00@5 00
extra and fancy.....	2 00@3 00
No. 1 and No. 2.....	1 00@2 00
Kaiserin, special.....	4 00@5 00
extra and fancy.....	2 00@3 00
No. 1 and No. 2.....	1 00@2 00
Carnations.....	1 00@3 00
Chrysanthemums..... per doz.	1 00@5 00
Cattleyas.....	25 00@35 00
Dahlias..... per doz.	75@2 00
Lilium Longiflorum.....	6 00@8 00
Lily of the Valley.....	1 50@3 00
Gardenias..... per doz.	\$1 80@4 00

Violets vary so much that they cannot be quoted.

BUFFALO, Oct. 19.

Roses, Beauty, special.....	20 00@25 00
extra and fancy.....	15 00@20 00
extra.....	10 00@15 00
No. 1.....	7 00@10 00
No. 2.....	4 00
Bride Maid, Killarney.....	2 00@8 00
Kaiserin.....	4 00@8 00
Pres. Carnot.....	4 00@8 00
Carnations.....	1 50@3 00
Cosmos..... per bunch,	15@25
Chrysanthemums.....	6 00@20 00
Dahlias.....	1 00@2 00
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@4 00
Lily of the Valley.....	3 00@4 00
Adiantum Croweanum.....	75@1 50
Asparagus per bunch.....	35@50
Asparagus Sprenger.....	35@50
Asparagus Str.....	50@60
Ferns..... per 1000.	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00
Violets.....	60@75

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about 30 pounds. Price (cash with order):
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October 25.

Kronprinz Wilhelm, N. Ger. Lloyd, Hoboken Pier.
Ryndam, Hall, Amer., Hoboken Pier.
FROM BOSTON, Ivernia, Cunard.

October 26.

Campania, Cunard, Piers 54 and 56, North River.
Trenton, White Star, Piers 60 and 61, North River.

President Grant, Ham.-Amer., Hoboken Pier.
FROM BALTIMORE, Main, N. Ger. Lloyd, Pier 9, Locust Point.

October 27.

Barbarossa, N. Ger. Lloyd, Hoboken Pier.
Roma, Fabre, Amity Dock.
La Touraine, French, Pier 4, North River.

October 28.

FROM PHILADELPHIA, Marquette, Red Star.

October 29.

Baltic, White Star, Piers 60 and 61, North River.

St. Louis, American, Pier 62, North River.

Ham.-Amer., Hoboken Pier.

Chicago, French, Pier 4, North River.

Niagara, French, Pier 4, North River.

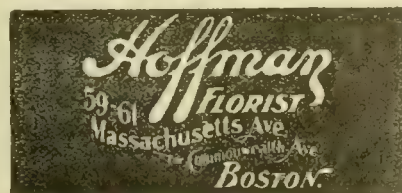
California, Anchor, Pier 64, North River.

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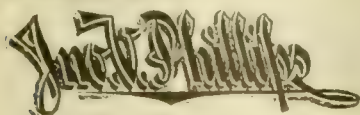
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CUT FLOWERS AND PLANTS.

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Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
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Washington—Gude Bros.
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Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 36th St.

Cable address: ALEXCONNELL.
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A. LANGE,

44 E. MADISON ST.

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W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

WIN all your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNE-OTA AND THE DAKOTAS.

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**J. W. Wolfskill,
FLORIST,**

Telegraph Orders 218 W. 4th St.
A Specialty,
Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

VISITED CHICAGO: J. B. Agnew, of the Pacific Seed Growers' Co., Agnew, Calif., and R. W. Pommer, of D. I. Bushnell & Co., St. Louis, Mo.

PHILADELPHIA PA.—On November 1 the H. F. Michell Co. will close the store at 1015 Market street and thereafter will have headquarters at 518 Market street.

SEDALIA, Mo.—The Archias Seed Store and the Archias Floral Co. were awarded many premiums for seeds, plants and flowers at the Missouri state fair.

STOUT CITY, S. D.—The Jones Seed Co. has purchased what is known as the Kiehl 40-acre tract, which will be converted into an experimental farm on which will be raised a good share of the seed which this company will sell.

PEDRICKTOWN, N. J.—Geo. R. Pedrick & Son are building a new seed warehouse, 30x60 feet, three stories, with basement, containing over 7,000 square feet of floor space, with which to handle their increasing business.

BOSTON, MASS.—A. F. Barney and J. M. Gleason, so many years with the Schlegel & Fottler Co., have associated themselves with the Thomas J. Grey Co., 32 South Market street, where they invite the patronage of their old friends.—T. J. Grey has on exhibition a remarkable relic, a plow more than 100 years old, in good condition that came down from the Richardsons.—Fottler, Fiske & Rawson Co. will keep the old Schlegel & Fottler store open for the present.—William Atkinson and daughter, of Handsworth, Yorkshire, Eng., were visitors this week. W. T. H.

Benary's Novelties for 1911.

Ernest Benary of Erfurt, Germany, is presenting a very fine list of novelties this year, among which may be noticed the following new plants which should be of interest:

Double white snapdragon (*antirrhinum majus grandiflorum album fl. pl.*) a new departure in this species, out of the mouth-like aperture of the flowers emerge abnormal fantastic petals

which give a double or beard-like aspect to the bloom.

Hercules aster Brilliant Rose, an entirely new color in this magnificent class of chrysanthemum asters.

Aguilegia coerulea candidissima, a new columbine which differs from the existing varieties with colored spurs to the uniform pure whiteness of the entire bloom.

Improved camellia flowered balsam primrose, the flowers are extra double, compact, of rosette-like shape, measuring over two inches across.

Begonia double tuberous-rooted, Lafayette-hybrids, the foliage is of a metallic dark brown streaked with broad veins of olive green and very ornamental.



F. Bruggerhof

Cineraria hybrida gigantea, red shades with white and blue shades with white. These flowers are 2½ to 4 inches across and respectively of deep red and rich blue shades with white center.

Primula obconica gigantea fimbriata rosea, a fringed Primula orbconica gigantea.

Impatiens Holstii nana Leignitia, a very dwarf sport of I. Holstii seldom exceeding ten inches in height and enormously productive of bloom.

Calceolaria Sunbeam, a large yellow bloom with a brilliant brown red blotch.

Poppy, King Edward, a large single annual, color deep scarlet with a large black blotch on each petal.

Petunia, double white lilliput, a charming addition to lilliput petunias.

Giant zinnias in separate colors, producing blooms five to six inches across.

Lobelia hybrida amanda, a beautiful trailing lobelia for baskets and boxes which is rosy lilac when it opens and turns to deep amaranth red.

President Bruggerhof.

The directors of the Wholesale Seedsmen's League did a graceful act at their meeting October 13 in presenting to Frederick W. Bruggerhof, on the occasion of his eightieth birthday, a testimonial in the form of an exquisitely moulded and chased loving cup bearing the following inscription:

Presented

to

Frederick W. Bruggerhof

upon his

80th birthday, October 15th, 1910,

by the

Directors

of the

Wholesale Seedsmen's League, as a token of the esteem and love in which they hold the Dean of the American Seed Trade.

Some of the features of the very interesting event was an immense birthday cake four feet in diameter and of eighty candle power, and the felicitous speeches expressive of the highest admiration towards Mr. Bruggerhof as a seed merchant and as a friend. The board was represented by its full membership of nine. The seedsmen guests were: E. E. Bruggerhof, of the J. M. Thorburn Co.; Alexander Forbes, of the Peter Henderson Co.; Howard M. Earl, of the W. Atlee Burpee & Co.; Burnet Landreth, Jr., of the D. Landreth Seed Co., and S. P. Landreth, of the D. Landreth Seed Co.

Mr. Bruggerhof has been identified with the American seed trade for fifty-five years, having entered the seed establishment of Thorburn in 1855. He is acknowledged to be the best all-around seedman in the United States, the highest authority on the history of the seed trade in America, his views as to variations and merit commanding the highest consideration. The wholesale seed trade, as represented by the league, is fortunate in being presided over by a man of such ability and loving disposition.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.





BULBS Cut Price to Clear.

Narcissus Paper White Grandiflora,	Per 100	1000
fancy grade, 1,250 to case		\$ 7.25
White Roman Hyacinths, 12 to 15 ctm., 2,000 to case	\$2.10	19.00
Von Sion Narcissus, extra D. N.....	2.10	19.00
Golden Spur Narcissus, extra D. N.....	2.10	19.00
Tulips, Hyacinths. Let me know your wants.		

STOKES' SEED STORE, 219 Market Street, PHILADELPHIA, PA.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼ oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received a copy, please send for one. New crop of seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Imports.

During the week ending September 24, imports were received at New York as follows:

R. M. Ward & Co., 138 cases bulbs.
C. C. Abel & Co., 87 cases bulbs.
Wm. Elliott & Sons, 52 cases bulbs.
Schulz & Ruckgaber, 46 cases bulbs.
P. Einsman, 32 cases bulbs.
F. R. Pierson & Co., 21 cases blubs.
W. Hagemann & Co., six cases bulbs.
Vaughan's Seed Store, four cases bulbs, nine cases mushroom spawn.
Stumpp & Walter Co., one case bulbs.
H. H. Berger & Co., one case bulbs.
McHutchison & Co., 219 pkgs. plants, 210 tubs laurel trees.

A. Rolker & Sons, 51 pkgs. plants.
C. F. Meyer, 36 pkgs. plants and trees.

J. Roehrs & Co., 16 cases plants.
Yokohama Nursery Co., 11 cases orchids.

J. M. Thorburn & Co., six cases mushroom spawn, one bag seed.

To others, 982 cases bulbs, 295 cases 205 pkgs. plants, four tubs laurel trees, once case shrubs, 287 bags seed, 100 bags poppy seed.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.** and Wisconsin.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910

Mention the American Florist when writing

If you want to make some money, buy a box or more of Superior Assortment **Horseshoe Brand Giganteum** Bulbs, 7-9 inches, at \$22.50 per box of 300 bulbs, and give them as good attention as you would a good horse. The price is the same, no matter how many you buy, but the more you buy the more money you can make if you can market them.

You will do us a favor if you will compare them with other 7-9 you buy, because our greatest difficulty is to get growers to compare the goods. Don't mix them all up in planting---keep them separate and count the blooms and percentage of loss. You will profit by the comparison, and we hope to profit by securing your business.

Deliveries of all varieties and sizes now being made.



Ralph M. Ward & Company

"Not How Cheap—But How Good."

12 WEST BROADWAY,

NEW YORK

Order now for Cold Storage deliveries during 1911—we to reserve them for you.

Market Gardeners

Greenhouse Vegetable Growers and
Market Gardeners' Association.

B. L. Watts, State College, Pa. President;
H. F. Hall, Grand Rapids, Mich., Vice-Pres-
ident; S. W. Severance, 508 Illinois Life
Building, Louisville Ky., Secretary; M. L.
Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

THE banquet of the Market Garden-
ers' Association at Grand Rapids, Mich., is illustrated on page 625 of this issue.

Tomatoes for British Market.

Consul Albert Halstead of Birmingham, England, writes: An interesting experiment in shipping Canadian tomatoes to the British market is announced in a Birmingham daily. Sample boxes of tomatoes packed in peat and sawdust were sent from Toronto to the English market to ascertain whether they can be shipped without injury.

It is stated that on Prince Edward Island farmers receive 25 to 30 cents per bushel of 60 pounds for tomatoes, whereas in London the price is 5 to 10 cents per pound. It is thought that Canadian tomatoes can be placed in British markets in good condition, because nearly \$1,000,000 worth of tomatoes were shipped from the Canary Islands to England last year and the time occupied in transit was the same as from Canada to England.

The possibility of shipping tomatoes successfully from the United States to the British market has occurred to me several times, chiefly because of the high price at which tomatoes sell in England; but the fact that they are so fragile and decay so easily causes the fear that such shipment would be unsuccessful and at least would lead to such heavy losses as to make it not sufficiently profitable. However, as the experiment is being made by the enterprising Canadians, it would seem to be well worth consideration by American shippers.

Tomatoes are very popular in England, and practically all sold here are hothouse grown. In the south of England, however, some tomatoes are grown outside successfully, which require the most careful attention; and unseasonable weather is most injurious to their production. Tomatoes are now (mid-September) selling at retail at greengrocers and fruiterers throughout Birmingham at 8 to 12 cents per pound, while in the earlier part of the season when greenhouses must be heated for their proper growth they are sometimes retailed at 20 cents.

The most popular tomato in England is the small, round kind, preferably not more than 2 to 3 inches in diameter. Housekeepers will purchase them for cooking purposes at 12 cents and perhaps more per pound rather than use the tinned variety which have equally as good a flavor. Of course, the tomatoes are used largely for salads and sliced for garnishing dishes.

A grocer, who sells high grade fruits and tomatoes, informs me that he is now paying about 6 cents per pound for tomatoes which average him at retail 10 cents, the poorer ones selling at about 8 cents and the better quality at 12 cents per pound. He said that care should be taken that the toma-

atoes, if shipped from the United States, should not be too large for they would command a much less price if larger than 2½ to 3 inches in diameter.

The dealer also expressed the opinion that it is as well for the American grower to know before entering this market that the English hothouse tomato would probably have a better flavor than the American outdoor tomato, which would necessarily cause the latter to bring a little lower price. This opinion is apparently the natural English view that English hothouse fruit and vegetables have better flavor than those imported which were grown outside. My own experience has not been that the British tomato was of better flavor than the American. If tomatoes from the United States can be delivered in Birmingham and elsewhere in England in good condition at from 5 to 5½ cents per pound, all charges paid, the market would appear worth cultivating. It must not be forgotten, however, that if the tomatoes are bruised through careless packing and if they are not of the selected sizes the possibilities of the market will be lost. Some tomatoes from Guernsey Island are packed in moss and others in what appears to be a cork-like substance. It would seem that if tomatoes were packed in sawdust or excelsior with soft moss or other soft material under each tomato and well boxed they should come in good condition. There may be difficulties in connection with such shipments that can not appear to one who is not an expert, but the Canadian experiment is worth duplication.

While on this subject the attention of American farmers, fruit growers, and shippers of farm produce should be called to the fact that the Canadians are studying the British market with the greatest care and showing much enterprise and skill in catering for it. This makes it all the more important that Americans should be alive to opportunities. As an example of the interest taken in the fruit market a Canadian expert on fruit is soon to give a lecture in Birmingham on

Canada as a fruit-growing country. Canadian apples are exhibited at fairs, and every effort is made to bring Canadian fruit to the attention of the British public. This means the development of a preference for Canadian fruit which will require the American grower to be even more considerate of the requirements and prejudices of this market.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession..	\$0.20	\$1.00
Lettuce, Grand Rapids. Big Boston.		
Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

— Cash with order. —

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

RELIABLE SEEDS. Tr.

	Oz.	pkt.
Bells, double Daisies, Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest		
double mixed	2.00	25c
Myosotis, alpestris, Victoria compact		
blue	2.50	35c
Pansies, Special florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwf., Bush mxd..	4.00	50c

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.

BULB BARGAINS AT COST

To Close Out Remnants

HYACINTHS

	First size, 18 centimeters and over, 4c.	Second size, 16 to 18 centi- meters, 3c.	Miniature, 1½c.		First size, 18 centimeters and over, 4c.	Second size, 10 to 18 centi- meters, 3c.	Miniature, 1½c.
Baron Van Tuyll,		17	24	La Peyron,	11	12	23
Gertrude,	436	230	970	Roi des Belges,	11	80	265
Gigantea,	137	350	970	Rosea Maxima,	10	12	23
Grandeur Nerveille,	12	12	21	Red,		84	
Grand Maitre,	360		1270	White,		77	
King of the Blues,	36	60	120	Blue,		99	
L' Innocence,	336	460	570	Rose,		89	

TULIPS. Quality Guaranteed

SINGLE	Per 100	1000	SINGLE	Per 100	1000	SINGLE	Per 100	1000
675 Artus.....	1 00	\$8 00	225 Belle Alliance.....	1 50		485 Mon Tresor.....	75	6 00
177 Chrysolora.....	75		955 Couleur de Cardinal.	1 00	9 00	1985 Rose Luisante.....	75	6 00
6500 Keizerskroon.....	1 00	8 50	385 Goldfinch.....	75		DCUBLE		
525 L' Immaculee.....	70	6 00	7500 La Reine.....	80	7 00	550 Couronne d' Or.....	1 25	
1700 Yellow Prince.....	70	6 00	500 Proserpine.....	1 50		220 La Candeur.....	90	
100 Duc Van Thol, white.	1 00		220 Vermillion-Brilliant	2 00		1920 Murillo.....	1 00	9 00
1130 Rose Gris de Lin.....	80	7 50	835 Canary Bird.....	75	6 00	270 Rubra Maxima.....	1 00	
350 Duc Van Thol, scarlet	1 00		855 White Swan.....	75	6 00	375 Tournesol.....	1 25	

NARCISSI

	Per 100		Per 100
500 Double Von Sion, 2 and 3 noses.....	\$1 75	1500 Golden Spur, single, first size.....	1 00
500 " " " first size.....	1 25	1000 Emperor, single, top roots, 3 and 4 noses.....	1 25
600 " " " second size.....	1 00		

SPANISH IRIS, 5000, fine mixed, \$4 00 per 1000.

Quality Guaranteed. Satisfaction Assured. Write or Wire. These Prices Will Close 'em Out Mighty Quick.

Jackson & Perkins Company, Wholesale Only. Florists and Nurserymen, **Newark,** Wayne County, **New York**

Tacoma, Wash.

The end of good out-door flowers is in sight now that rain and cooler weather are busy helping the florist. Sweet peas come in rather slowly and badly damaged and will soon be over for this season. Out-door roses were very plentiful and of very good quality and have been used extensively. Very fine dahlias and a few yellow chrysanthemums are coming in to the stores. The crop of chrysanthemums is going to be late, practically nothing yet showing color except a few yellows. Asters seem to be the present standby but the unfavorable weather will soon put them out. This year will see a scarcity of greens in the way of asparagus and smilax, but the out-door ferns and huckleberry are plentiful and good, and we can procure them any time in the year with very little trouble and at present the autumn colored maple can be had in abundance. Business among florists is very good and with the end of out-door stock in sight the improvement will soon be very marked.

NOTES.

H. H. Hinze has a warm handgrasp every time we see him, one of the eastern sort, and we lately enjoyed a visit to his establishment. Everything looks first class, stock clean and growing nicely. A new No. 6 Kroeschell boiler is ready for business and no doubt will prove all that is desired. The way it is installed and green-houses piped we would be very much surprised at any other than a good report.

The Northwestern Floral Co. is the first to receive bulbs. They import direct and have received a good lot of all kinds. Some of the hyacinths and narcissus were too warm and damp, sprouting a fair crop of roots, but they will be planted at once and probably a fair percentage saved.

Hyacinths, Tulips, Narcissi

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer

As an inducement to secure orders for a general line of bulbs, we quote

Hyacinths, Unnamed, Single

Any color, \$2.10 per 100; \$19.50 per 1000

To Secure These Prices, Mention This Paper.

Send us your order for other varieties. See our adv. in last issue.

If You Want the Best Quality, Our Prices Are Low

James Vick's Sons,

Rochester, N. Y.

We hear talk of two more first class stores being opened this season. As they both have ample backing and will probably be in charge of competent men we figure some lively times about due in Tacoma among the florists.

Two flower stalls are all that remain in our public market. There were five, but we believe in the old adage "survival of the fittest."
S. L. H.

MINNEAPOLIS, MINN.—The Minnesota State Florists' Association will hold a flower show November 16-20 in the National Guard Armory. A most delightful plan has been announced of designating each day by the name of some flower, the opening day being dedicated to the chrysanthemum and the rose, carnation and other flowers will each be allotted a day.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

Defrauding Nurserymen.

The arrest of a nursery agent in Hoboken, N. J., by the federal authorities brought to light a well-developed scheme for defrauding nurserymen. He procured a position as canvasser for a nursery concern in the west, furnishing good references from a supposed Chicago firm that had no existence, and was to receive a commission, two-thirds of which was to be paid on receipt of order. Numerous orders were forwarded with requests for immediate payments of commissions, but upon shipping the goods as directed they would be returned by the postmasters marked, "not known." He was supposed to be working in the district from which the orders were received, but had remained at Hoboken and had taken the precaution to have his mail redirected.

LOS ANGELES, CAL.—M. Hagiwara, one of the most noted Japanese gardeners in the world and who laid out the famous Japanese gardens at Golden Gate Park in San Francisco, has offered his services to the Los Angeles park commission. The commission recently announced its intention to build a Japanese garden in one of the city parks, which shall rival the famous gardens of San Francisco. Hagiwara appeared before the park commission today to offer his assistance. At his own suggestion, he will visit the different parks in search of a spot suited to the purpose and will then prepare plans and make a definite proposal to the board. Should the board find that the kind of a garden it wants will cost more than it can afford this year, a part of it will be constructed now and it will be completed next year. T. Kato, another Japanese gardener, has also offered his services and he too will make an inspection of the parks and will present a proposal. If possible, the board will construct the gardens at Sycamore Grove park, because of its accessibility to the public and its topographical features. Another point in its favor is that it will be easy of access from Pasadena, should that municipality consolidate with Los Angeles.

100,000 ROOTED TIPS

Himalaya Blackberry
For Spring delivery, \$6.00 per 100 \$50.00 per 1000.
Terms: June 1st, 1911.

Berrydale Experiment Gardens
R. 1, Box 54, HOLLAND, MICH.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect
Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN,

MASS.

SPECIAL address for

Rhododendrons, Azaleas,
Magnolias, Conifers,
Forcing and Ornamental Trees,
Climbing Plants, Roses,
Clipped Box and Yews,
Bulbs, Etc., Etc.

Catalogue on application, post free.

L. GAARKEUKEN, Nurseryman,
Hazerswoude, Holland.

PEONIES

Best Cut Flower varieties grown.

First Prize White..... \$15.00 per 100
" " Pink..... 9.00 per 100
" " Red..... 10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE,

PA.

40,000 Evergreens

ORDERS TAKEN

Can ship at convenience of purchaser.

NORWAY SPRUCE

18 to 24 inches...5c each 3 to 4 feet.....10c each
2 to 3 feet.....7c each 4 to 5 feet....15c each

D. T. MCCARTHY & SONS,
Nurserymen, LOCKPORT, N. Y.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD,

Sarcovie, Mo.

500,000 California Privet

FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK,

Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

California Privet

2 year branched, 2 to 4 shoots, \$12.00 per 1000.
3 to 6 shoots, 15.00 per 1000.

No charge for cases or packing.

HENRY EICHHOLZ, Waynesboro, Pa

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

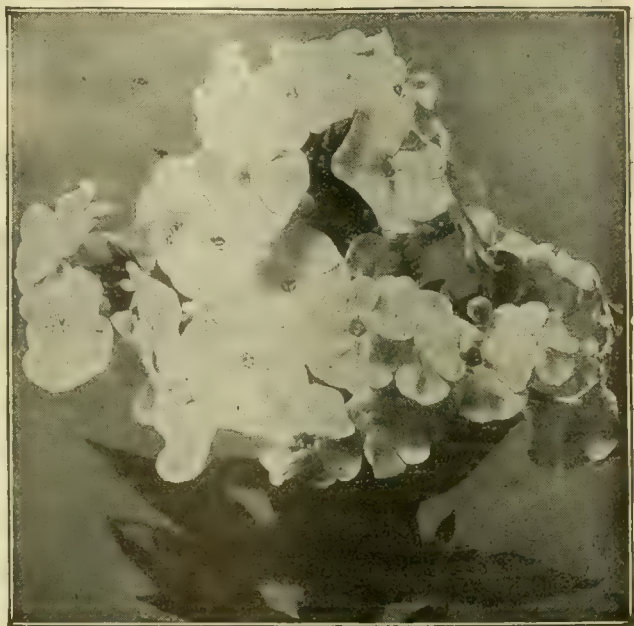
We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties,
\$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Algae Adamson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elyses (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.

Engene Danzanviller (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclaircur (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate, pale rose mauve, with claret-red eye.

George A. Strohlein (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovannelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Hentsz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM Hardy Lilies

Tenulfolium, Wallacei, Hansonii, Henryi, etc.
**IRIS PAEMPEERI, DAPHNE CNEORUM
and GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement page 504. Oct. 1 Issu

Sacrifice Sale

We Want the Room

Heavy bench plants of *Asparagus Plumosus*, *Asparagus Sprengeri* Boston Ferns and Maiden Hair Ferns, 15c each. Worth 25c to 35c each.

Per 100
Asparagus Sprengeri, 2½-in. \$3.00
Smilax, 2½-in. 3.00

HELLER BROS. CO.,
 New Castle, Ind.

SMILAX

3-in. \$40.00 per 1000.

Sprengeri 2-in., \$25.00
 per 1000.

Poehlmann Bros. Co., Morton Grove, Ill.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
 Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus Sprengeri

Good, Healthy Stock.

From 2½-in. pots. \$4.00 per 100
 In 1000 lots. 3.50 per 100

HOERBER BROS.

51 Wabash Ave., CHICAGO
 Mention the American Florist when writing

St. Louis.

The weather has been very warm and has had considerable effect on trade. Had it not been for weddings and the Jewish holiday there would have been but little doing. Everything is plentiful, dahlias and chrysanthemums are in and violets are in with increased supply. Carnations and roses, including American Beauty, are plentiful, specially medium and long-stemmed.

NOTES

The Florists' Club held its regular meeting October 13 at Odd Fellows' Hall, President John Cannon in the chair, with 20 members present. The trustees were instructed to report as to the entertainment to be given to the visiting florists during Flower Show week, the next meeting of the club taking place that week and all visiting florists are invited to attend that meeting. The club indorsed the appointment of F. H. Weber as state vice-president of the S. A. F. for the eastern part of Missouri. The following gentlemen applied for membership: Hugo Gross, G. M. Thost, M. F. Widmer, of Highland, Ill., and Alex Geranios, manager of the Metropolitan Floral Co.

Dr. Wm. Trelease, of Shaw's Garden, will give an address Monday evening at the Academy of Science. He will exhibit by lantern slides the smallest of the century plants. Prof. Van Ornum will speak on the effect of vegetable mold on the strength of concrete and molds.

J. J. Beneke has started to make extensive alterations and improvements of his store. The entire store will be papered and painted, with a new double show window.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and elect for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.
Robusta Compacta, *Excelsa Glauca*, 6 in. pots, \$1.00 to \$1.25 each.
Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00 \$1.25, \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

ORCHIDS

We are one of the largest collectors and importers of Orchids.
 Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Mention the American Florist when writing

SMITH'S

Chrysanthemum Manual

40c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMAN FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Geo. Hecht, of Clayton, suffered a severe loss in the death of his little baby daughter. The sympathy of the trade is extended.

Miss May Burnes is now assistant at Miss M. S. Newman's. This is a first-class store and has a very choice and select trade.

Guy Reburn, representing Vaughan's Seed Store, Chicago, and H. V. Hunkel of Milwaukee, Wis., were in town.

W. R. Greb is now cutting some good long-stemmed violets. He is also in line with some good carnations.

Kentia Belmoreana, 25-30-35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.
Kentia Belmoreana, 2½ to 3 in., 10c each.
Cyclamen Grandiflora, best strain, 4-in., 15c.
Begonia Gloire de Lorraine, deep pink, and *Begonia Lonsdale*, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c.

Our Ferns this year are exceptionally very fine. *Boston*, *Scottii*, *Whitmani* and *Scholzii*, 5½ and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00.

Pteris Wilsonii, in 6-in. pans, nice plants, 25c.
Neph. Todeoides, New London Fern, 2½-in., 5c; 3-in., 7c.

Special to Close Out: 4-in. *Whitmani* and *Scottii* Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$4.00 per 100.

Rubber Plants, 6-in. pots, 35c and 40c.

Asparagus Plumosus, 2½-in. 3c; 3-in. 5c; 4-in. 10c.

Asparagus Sprengeri, 2½-in., 3c.

Sago Palms, 6-7-8 in. pots, from 5 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Adiantum Hyb., 2½-in. pots, 5c; 3-in., 8c; and 4-in., 12c.

Primula Obconica, best strain, 4-in., 10c; 5-in., in bloom, 15c.

Primula Chinenaisa, 4-in. pots, \$10.00 per 100.

We have an unsurpassed strain of *Solanum Multiflorum* (Jerusalem Cherries). Can offer only a limited quantity, 3½-in. pots, strong, \$5.00 per 100.

Hydrangea Otaksa, pot-grown, 6-in., 25c.

Azaleas, good, well-shaped plants, *Deutsche Perle*, *Simon Mardner*, *Niobe*, *Van der Cruyssen*, *De Schryveriana*, 75c, \$1.00, \$1.25, \$1.50 and \$2.00.

Cash with order, please.

All plants must travel at purchaser's risk.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; *Vand. Castellane*, *Poitevine*, *Jaulin*, *Ricard*, *Buchner*, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitmani Ferns, 4-in. 25c each, 5-in. 35c.

Boston Ferns, 5-in. 25c each.

Vinca Var., 2-in. \$2.00 per 100.

Roses, *Bride Maids* and *Gates*, *Killarney*, 3-in., \$5.00 per 100.

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
 T. MELLSTROM, Agent.

Jos. Scheidegger is cutting some good color violets which are especially fine for this hot weather.

C. Young & Sons Co.'s windows are beautiful, one of them showing a fine display of orchid plants. W. F.

Seasonable Plants

Order Now Before Freezing
Weather Sets In.

	1000	Each	Dozen	100
Asparagus Plumosus Nanus , 2-in.	\$25 00			\$ 3 00
2½-in.	40 00			4 50
Araucaria Excelsa Glauca , 3 in. pots, 10 to 12 in. high, 2 to 3 whorls.	\$ 75		8 00	
6 in. pots, 14 to 16 in. high, 3 whorls.	1 25		14 00	
6 in. pots, 16 to 18 in. high, 4 whorls.	1 50		17 00	
Araucaria Robusta Compacta , 6 in. pots, 12 in. high, 3 to 4 whorls.	1 25		14 00	
6 in. pots, 14 to 16 in. high, 4 whorls.	2 00		22 00	
7 in. pots, 18 to 20 in. high, 4 to 5 whorls.	3 00		34 00	
Bay Trees , Standard or Tree Shaped, Stem about 45-48 in.; Crown 26 in.	7 50			
" " 46-50 in.; " 28 in.	8 00			
" " 45-48 in.; " 30 in.	10 00			
" " 46-54 in.; " 34 in.	12 00			
" " 46-53 in.; " 40 in.	15 00			
Begonia Gloire de Lorraine , 2½ in. each, delivery June 1911.		2 00	15 00	
Box Trees , Bush shaped. These do not come in tubs. 10 to 12 in. high.	30	3 00	20 00	
12 to 15 in. high.	35	3 50	25 00	
15 to 18 in. high, light.	40	4 00	30 00	
15 to 18 in. high, heavy.	45	4 50	35 00	
18 to 20 in. high.	75	8 00		
Odds and Ends in Standards and Pyramids. Write for particulars. Carnations , field grown. Write for prices. Crotons , 7-inch 20-26 in. high.	1 25	12 00		
8-inch 24-30 in. high.	1 50	15 00		
Cycas , in full leaf.	\$1 00	3 00		
Cyclamen , 2½ in. each, per 100, \$3 00: 3-inch.				10 00
Dracena Indivisa , 4-inch.	2 00	12 00		
Ferns , Assorted for dishes.		Per 10	Per 1000	
2½ in. (Our selection).		\$3 50	\$25 00	
Ficus Pandurata ,	Each		Each	
24-inch high.	\$1 50	36-inch high.	\$2 50	
30-inch high.	2 00	48-inch high.	3 50	
Kentia Belmoreana , Size pots Leaves Height Each Doz. 100 4-inch 5 12-15 in.	\$ 50	\$ 5 00	\$35 00	
6-inch 6 20 in.	1 00	11 00		
6-inch 6 22-24 in.	1 50	17 00		
7-inch 6-7 26-28 in.	2 00			
7-inch 6-7 28-30 in.	2 50			
10-inch 6-7 46-50 in.	8 00			
Manetti , Dec. and Jan. delivery.		Per 100	1000	
English.	\$1 50	\$12 00		
French.	1 75	13 50		



ASPARGUS PLUMOSUS NANUS.

Kentia Forsteriana,	Size pots	Leaves	Height	Each	Doz.
4 inch	5	15-inch		\$ 50	\$ 5 00
5-inch	5	20-24 in.		75	8 00
5-6-inch	5-6	26-28 in.		1 00	11 00
6-inch	5-6	28-30 in.		1 50	17 00
8-inch	6-7	36-38 in.		3 00	
8-inch	6-7	38-40 in.		3 50	
8-inch	6-7	44-48 in.		5 00	
8-inch	6-7	52-55 in.		6 00	
10-inch (tubs)	6-7	60-inch		10 00	
Lantana Borbonica , 8-inch pots, 7-8 leaves, 34-36 inch high.				3 00	
Peppers , Christmas, 5-inch.				\$ 2 00	\$15 00
Phoenix Roebeleni , 5-inch.				\$1 25	14 00
6-inch.				2 00	
7-inch.				2 50	

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.
25 Barclay St., NEW YORK.

Greenhouses:
Western Springs, Ill.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good
as the Best.

S. A. Nutt, \$11.50 per 1000.

Poltevine, 14.00 per 1000.

Ricard, 14.00 Per 1000.

All sold until December. Expect
to have about 75,000 ready week of
December 12th. To be sure of De-
cember delivery, better get your
order placed now.

Coleus. As fine a collection as
any in the world. Can
furnish them by the 100,000 in
season; now if you want them.

A. M. HERR,
LANCASTER, PA.

BULBS

For good flowers buy good
bulbs. Note the Prices.

Write for complete list.

	Per 1000
Paper White Grandiflora, fine stock.	\$ 8 00
Empress, Double Von Sion or Princeps	10 00
Emperor.	12 00
Stella, Figaro, Cynosure.	2 00
Grand Monarque.	8 00

The Leedham Bulb Company, Santa Cruz, Calif.

A FEW SPECIALTIES IN BULBS

NARCISSUS.

	Per 100	1000
Emperor and Empress, selected double-nosed bulbs.	\$1.75	\$15 00
Bicolor Victoria, selected double-nosed bulbs.	1.75	16 00
Golden Spur, selected double-nosed bulbs.	2.25	19 00
Double Von Sion, selected double-nosed bulbs.	2.25	19 00
Poeticus Ornatus, selected double-nosed bulbs.	1.00	7.50
Prinsep, selected double-nosed bulbs.	1.25	9.50

Freesias, Bermuda-grown.

Bulbs ½ to ¾ inch and up in diameter.75	6.00
--	-----	------

Bermuda Buttercup Oxalis.

Extra sized bulbs.75	6.00
-------------------------	-----	------

Complete list of Fall Bulbs and Ferns sent free on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

TULIPS.

	Per 100	1000
Keizerskroon.	\$1.25	\$10.50
La Reine.	1.00	8.00
Rose Gris de Lin.	1.00	8.50
Rose Luisante.	1.75	14.50
Murillo.	1.25	10.00
Couronne d'Or.	1.75	14.00
Salvator Rosa.	1.75	14.00
Gesneriana Spathulata.	1.25	9.50

LILIUM HARRISH.

Selected bulbs. The original true stock.

	Per case	Per 1000
6 to 7 inch, 350 to the case.	\$17.50	\$45.00
7 to 9 inch, 200 to the case.	18.00	80.00

White Roman Hyacinths.

	Per 100	1000
Bulbs 12 to 15 cm., 2 000 to the case.	\$2.75	\$25.00
13 to 15 cm. bulbs, 1 600 to the case.	3.90	28.00

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the
AMERICAN FLORIST. Get our **Fall Bulb and Seed Catalogue**, which if
you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,

342 W. 14th St., NEW YORK CITY.

Always

mention The American Florist
when you order stock. . . .

NOW READY
1910 EDITION

Trade Directory.

TRADE LIST

CLEMATIS paniculata, strong plants, \$10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.
BEGONIA Vernon, 4 in. pots, in bloom, \$1.00 per doz.
STEVIA dwarf, 4½-in. pots, \$1.00 per doz.
CROTCHONS, from 4-in. pots, \$2.00 per doz.; 3-in. pots, \$1.50 per doz.
AMPELOPSIS Veitchii, 4 in. pots, \$10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.
RUBBER PLANTS, 5-in. pots, 25c each; 6-in. pots, 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.
BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Carnations Rooted Cuttings

Our Leaders for 1911:

White Wonder,
 Gloriosa,
 Pink Delight,
 Scarlet Glow.

Send for price list.

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 La Fayette, Ind.

First Aid to Rose Buyers

Fall Price List—200 sorts.

THE LEEDLE FLORAL COMPANY
 SPRINGFIELD-OHIO.

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AND

Decorative Plants

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 BROOKLYN, N. Y.

JOSEPH HEACOCK CO.

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Growers of Fine Kentias

Send for Price List.

PASADENA, CAL.—The appointment of a committee of eleven was authorized at the meeting of citizens October 10 to discuss the coming Tournament of Roses. This committee is to be composed of three members of the Pasadena Realty Board, three from the Board of Trade, three from the Merchant's Association and two from the Tournament of Roses Association to be appointed by Mayor Earley. They shall have power to call a public meeting for the purpose of arranging the affairs of the next tournament.

Seasonable Stock

Bulbs

Adiantum Croweanum, strong 4 in. pot plants \$15.00 per 100

Kentia Belmoreana, 2½-in pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4 in. pot plants, 12-15-in. high, \$35.00 per 100; 5 in. pot plants, 15-18 in. high \$60.00 per 100.

Primula Sinensis Fimbriata, pink and red, 3-in. pot plants \$4.00 per 100.

Primula Obconica Grandiflora, pink, red and white 2½ in pot plants, \$2.50 per 100.

Celestial or Christmas Peppers, 4 in. pot plants, \$10.00 per 100.

Nephrolepis Superbissima, Scholzei and Scottii, 5-in. pot plants at \$4.00 per doz.; \$25.00 per 100.

Nephrolepis Whitmani, 5-in. pot plants \$4.00 per doz.; \$25.00 per 100.

Vinca Variegata, field grown, at \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Mention the American Florist when writing

Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50	Chinese, 2½-in. pot.....	\$12 00	\$1 50
Asp. Sprengeri, 2½-in. pots.....	2 00		Obc. Alba and Rosea.....	2 00	
Vinca Var., from field.....	4 00		Obc. Gigantea.....	3 00	

—Cash.—

JOS. H. CUNNINGHAM, Delaware, O.

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On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly.

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We need the room and money; you can have special price 10% discount for all cash orders for a week up to Oct. 23.

See Our Fern List.

Cyclamen, 2½, 3, 4- and 5-in.
Celestial peppers, 3- and 4 in.
Jerusalem Cherries, 3- and 4 in.
Prim roses 2½, 3 and 4 in.
Obconica, 2½, 3- and 4 in.

Special

4, 5- and 6-in. **Whitmani** at 25c, 50c, and 75c; and 8-in. **Bostons**, \$1.00.

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and Novelties in Decorative Plants.

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Asparagus Elongatus, 1-yr.-old clumps..... 5.00
 Fine stock for dividing up.

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Boston, for 3 in. 6c.; 4 in. 10c.
Elegantissima, for 3 in. 6c.; 4 in. 10c; 5-in. 12½c.
Runners, **Elegantissima**, \$1.00 per 100; **Whitmani** \$1.50 per 100.

Whitmani, for 3 4- and 5-in. 8c, 12c and 15c.
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Scottii, for 3-in. 6c; 4 in. 10c.
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Asparagus Sprengeri, 2-in. 2c.
Giant Pansies, Bugnot, Odier and Cassier mixture \$2.50 per 1000.
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 Chambersburg, Pa.

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IN BEST VARIETIES.

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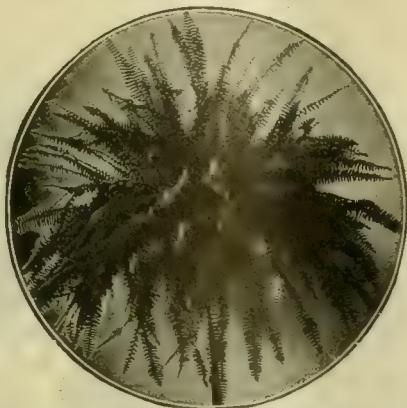
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Special Offer in Bostons

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We also offer the following which we recommend as A 1 stock.



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Now is the very best time to buy, as we are crowded for room to get in our outdoor stock before frost.

We have an exceptionally fine lot to offer at the following sizes and prices:

Nephrolepis Bostoniensis

Pot	Dozen	100
2½-in.....	\$ 50	\$ 4 00
3 -in.....	1 00	8 00
4 -in.....	1 50	12 00
5 -in.....	3 00	25 00
6 -in.....	6 00	45 00
7 -in.....	9 00	70 00
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9 -in.....	15 00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

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Now ready for distribution.

We have 50 acres of Ornamentals, Perennials, etc.

Send for complete list of Palms and Ferns.

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We offer the following at a very reasonable price:

Winsor, Victory,
Winona, Pink Enchantress.

Hoerber Bros.

51 Wabash Ave., CHICAGO

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10,000

Gov. Herrick Violets

Splendid field-grown clumps, at
\$5.00 per 100, \$40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Field-Grown Carnations

	Per 100	Per 1000
Sarah Hill.....	\$4 00	\$35 00
W. H. Taft.....	4 00	35 00
Lawson-Enchantress.....	3 50	30 00
Pink Lawson.....	3 50	30 00
Variegated Lawson.....	3 50	30 00
Victory.....	3 50	30 00
Boston Market.....	3 00	25 00
Pink Sport of Armzindy.....	3 00	25 00
Mrs. E. A. Nelson.....	3 00	25 00

This is all fine stock and satisfaction guaranteed.

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Asbury and Warren Sts., EVANSTON, ILL

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Awarded a Certificate of
Merit by the Horticultural
Society of New York.

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Carnation Plants.

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2½-in.....\$2.00 per 100; 300 for \$5.00

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Best varieties.....\$1.00 per 1000; \$7.50 for 10,000

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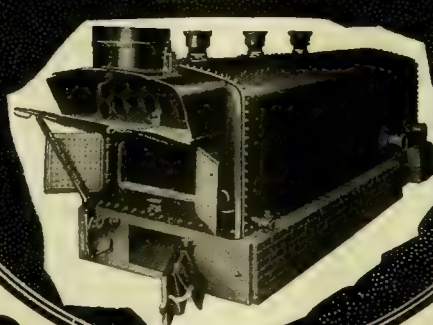
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More Kroeschell Boilers and Generators used for greenhouse heating than any other make

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WILL SHIP WHEN WANTED

PAY AFTER BOILER REACHES YOU

Greenhouse Heating

Is a Perplexing Question to all Florists

Except Those Using—

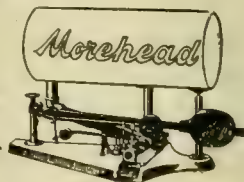
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¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist.

¶ It is further evidence of good management, for the 'Morehead' is an investment in both satisfaction and economy.

¶ The majority of florists are using Morehead Traps. If you are one of the exception it will be to your interest to write us—we will make you a liberal trial offer proposition.

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Department "N"

Detroit, Mich.

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Nos taux d'annonces sont \$1.00 (Fr. 5-15) par pouce, largeur simple colonne, \$30.00 (Fr. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

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ACHILLEA "THE PEARL." Field-grown clumps, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

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AMPELOPSIS VEITCHI, 2½-in., fine stock, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ampelopsis Veitchii, 4-in., \$10 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

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Araucaria excelsa glauca and **A. robusta compacta**. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c each. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000. 3-in., strong, \$5 per 100. **Asparagus Sprengeri**, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000. 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

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Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

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Asparagus Sprengeri, 3-in., \$4.00; extra heavy, \$5.00; 2½-in., \$2.00 and \$2.50 per 100; seedlings, 75c. **Plumosus**, 3-in., \$6.00; seedlings, \$2.00 per 100. C. K. Wisner, Toledo, O.

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Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Sprengeri, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs for forcing and planting outside, complete stock. Fottler, Fiske, Rawson Co., 12 and 13 Faneuil Hall Square and 19 Change Ave., Boston, Mass.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Hyacinths, Tulips, Narcissus, Spanish Iris. Price list elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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FIELD-GROWN CARNATION PLANTS.

	100	1000
Winona	\$6.00	\$50.00
Aristocrat	4.00	35.00

DesPlaines Floral Co., DesPlaines, Ill.

FIELD-GROWN CARNATIONS.

Medium Sized Plants.

	Per 100	Per 1,000
Victory	6.00	50.00
White Lawson	6.00	50.00
Pink Lawson	6.00	50.00

WIETOR BROS., Chicago.

FIELD-GROWN CARNATION PLANTS.

Boston Market	\$3.50 per 100
Lawson Enchantress	4.00 per 100
A. W. Meyer	South Holland, Ill.

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Carnations, field grown, Mrs. Thos. Lawson, \$5. Harlowarden, \$3-\$5 per 100. M. J. Schaaf, Dansville, N. Y.

Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

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Carnations. F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Celosia Pride of Castle Gould, 7 and 8-in. pots, \$2.50 and \$3 each. Julius Roehrs Co., Rutherford, N. J.

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Chrysanthemums, 7-in., \$1.50 each; \$12 per doz.; 8-in., \$2.50 each; \$20 per doz. Larger plants, 10 and 12-inch. Vaughan's Seed Store, Chicago and New York.

CHRYSANTHEMUMS, hardy, fine pink, yellow, red, field-grown, \$3.50 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

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Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

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Cinerarias, 2½-in., \$2 per 100; 3-in., \$3 per 100. Samuel Whittton, 84 Churchill Ave., Utica, N. Y.

Cineraria, 2½-in., \$2 per 100. J. O. Schmidt, Bristol, Pa.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, \$10 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

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Coleus, assorted varieties including Verschaffeltii, 2½-in., 2c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, 7-in., \$1.50 each; \$15 per doz.; 8-in., \$2 each; \$18 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 7-in., \$1.25 each; \$15 per doz.; 8-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 4-in., \$2 per doz.; 3-in., \$1.50. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CYCLAMENS.

Cyclamen Persicum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremansdown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, finest giant strain, good stocky plants, 7 colors, mixed, 3-in., 7½c. J. L. Schiller, Toledo, O.

Cyclamen, Extra well budded, 3-in., \$7.00; 4-in., \$15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlia, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlia, Pape & Bergman, Quedlinburg, Germany.

DAISIES.

Giant double daisies, mixed, 30c per 100; \$2 per 1,000. Chas. Frost, Kenilworth, N. J.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena Massangeana and Lindenii, 7-in., \$2 each. J. A. Peterson, Westwood, Cincinnati, O.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1 and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns from benches, Boston. Elegantisima, 3-in., 60c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpbli, 3-in., 8c; 4-in., 12c. Scottii, 3-in. 6c; 4-in., 10c. Runners, Boston. Elegantisima, Scottii, \$1 per 100. Whitman, Amerpbli, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Adiantum Croweanum, 4-in., \$15 per 100. N. Superbissima, Scholzei, Whitman and Scottii, 5-in., \$4 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, 2½-in., 5c. Whitman and Elegantisima, 3-in., 10c. 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz.; 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ferns. Heavy plants, Boston. Pierson, Elegantisima, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Harris type, 6-in., \$9 per doz.; 7-in., \$12; specimens, 8-in., \$24; 10-in., \$36. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, assorted for dishes, 2½-in., (our selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechsli, 4911 Quincy St., Chicago.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ficus pandurata, large plants, \$2 to \$5 each. J. A. Peterson, Westwood, Cincinnati, O.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 4-in., 20c; 5-in., 30c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, 20,000 S. A. Nutt, strong rooted cuttings for immediate delivery, \$1.25 per 100; \$12 per 1,000. Cash. The W. F. Buckley Co., Springfield, Ill.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Dansville, Ill.

Geraniums, standard sorts, \$2 per 100; \$18 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, Standard varieties, 2½-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, leading varieties, E. G. Hill Co., Richmond, Ind.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, Palm Leaves, \$5.00 per 1,000; Magnolia Grandiflora Leaves, \$8.00 per 10,000; Florida (gray) Moss, 200 lbs. for \$5.00, 25 years' experience. Cash with order. Victor Schmilz & Son, R. 2, Sanford, Florida.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsomas & Co., 50 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Perennials, strong, well rooted, field-grown stock:

Chrysanthemum Maximum.....	100.	1,000.
Coreopsis lanceolata	\$5.00	\$45.00
Dianthus barbatus (sweet william) ..	5.00	45.00
Gaillardia grandiflora	4.00	35.00
Hollyhocks, dbl., red, white and yellow	5.00	45.00

Palmgren's Nurseries, Glenview, Ill.

IRIS GERMANICA Honorabilis, Atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Virgils, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Hardy Plants. German Iris, named varieties, \$2.00 per 100; \$15 per 1,000. Japan Iris, named, \$6.00 per 100; mixed, \$3.50. H. H. Kern, Bonner Springs, Kansas.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy Plants. Oriental Poppies, \$4.00 per 100. H. H. Kern, Bonner Springs, Kansas.

Hellebore Centifleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arboreascens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem Cherries, heavy field grown plants, full of berries and blossoms, \$8.00 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

LILACS.

Lilacs. Jaes Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Finest grades of pipe grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pipe. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pipe. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pipe. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jaes Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pipe from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley, cold storage. \$12.50 per 1,000. Buds, 76 Barclay St., New York.

MANETTI.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery Stock, 100,000 Rooted tips Himalaya Blackberry, \$6.00 per 100; \$50.00 per 1,000. Spring delivery. Berrydale Experiment Gardens, R. 1, Box 54, Holland, Mich.

Nursery stock, rhododendrons, azaleas, magnolias, conifers, ornamental trees, climbing plants, roses, box and yews, bulbs, etc. L. Gaarkeuken, Hazerswoude, Holland.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jaes Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery Stock, Large Evergreen trees, Cedar, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Norway spruce, 18 to 24 ins., 5c each; 2 to 3 ft. 7c; 3 to 4 ft., 10c; 4 to 5 ft., 15c. D. T. McCarthy & Sons, Lockport, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 253 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, giants, Masterpiece, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; \$2.50 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, open frame-grown, stocky plants, TRIMARDEAU, mixed, 50c per 100, \$3.00 per 1,000; GOLD MEDAL mixed, 50c per 100, \$4.00 per 1,000. J. L. Schiller, Toledo, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Pansies, open frame grown stock plants, Trimardeau and Vaughan's giant mixture, 50c per 100; \$4.00 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Kenilworth strain of Giant Pansies, 50c per 100; \$3 per 1,000. Chas. Frost, Kenilworth, N. J.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel., 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms, Young Ptychosperma Alexandrea, seedlings in surplus. Make us offer for quantity you need, per 100 or 1,000, postpaid. Royal Palm Nurseries, Oneco, Florida.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms, Kentia Bel., 2½-in., \$8 per 100; 3-in., \$15; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyn-cote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Veitchii \$2, \$3 and \$4 each; large plants. J. A. Peterson, Westwood, Cincinnati, O.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PEPPERS.

Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

Celestial peppers, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primula obconica grandiflora alba, rosea and Kermesina; Chinensis, purpurea, am., alba magnifica, Kermesina splendens, pyrope and cœrulea. To make room for other stock we offer the above, good strong 2-in. plants, at \$1.75 per 100; \$15 per 1,000. Cash. N. E. Beck, Massillon, O.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBONICA GRANDIFLORA, Rondsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsdorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and Obconica, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$12 per 1,000; \$1.50 per 100. Obc. alba, and rosea, \$2 per 100. Obc. gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primula Sinensis Fim., 3-in., \$4 per 100; Obconica Grandi., 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Chinese primroses, 3½-in., \$5 per 100. Frank Oechlin, 4911 Quincy St., Chicago.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

California privet, 2-yr., 2 to 4 shoots, \$12 per 1,000; 3 to 6 shoots, \$15. Henry Eichholz, Waynesboro, Pa.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots; White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Three-year-old Richmond plants from the field, \$8 per 100. Good stock for benching now. C. C. Pollworth Co., Milwaukee.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. White Killarney, \$50 per 1,000. Pink Killarney, \$35 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford Conn.; East Jordan Mich.; Sister Bay, Wis.

Seeds, Vaughan's giant-flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn.

Seed for Sale—Lobelia Cardinalis, 1910 crop. Price \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, crimson clover. J. Boigiano & Son, Baltimore, Md.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

J. C. Robinson Seed Co., Waterloo, Neb.

Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rennett, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds, Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, Sweet peas. Anton Zvolanek, Boundbrook, N. J.

SMILAX.

Smilax, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Smilax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snappedragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

STRAWBERRY PLANTS.

Strawberry plants, strong and well rooted stock, August Luther, Pride of Michigan, Brandywine, Senator Dunlap, 50c per 100; \$4 per 1,000. Palmgren's Nurseries, Glenview, Ill.

Strawberry plants. Strong young Senator Dunlap, 55c per 100; \$4.00 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Rhubarb, strong, transplanted 2 yr., \$5 per 100; \$45 per 1,000. Palmgren's Nurseries, Glenview Ill.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Grand Rapids lettuce plants, 20c per 100 by mail; \$1 per 1,000 by express. S. J. McMichael, 142 Larkins St., Findlay, O.

VINCAS.

For Sale—3,000 field-grown vinca plants, \$5 per 100; \$45 per 1,000; or \$125 for 3,000. Gus Johnson, 306 E. Springfield Ave., Champaign, Ill.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field-grown, \$4 per 100. Storrs & Harrison Co., Painesville, O.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

Vincas, field-grown, \$4 and \$5 per 100. Orvis, Florist, Elmira, N. Y.

VIOLETS.

2,000 Gov. Herrick Violets, strong plants, 2-in. pots, \$2 per 100; \$15 per 1,000. Shore & Haigh, Evert, Mich.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, Gov. Herrick, splendid field grown clumps, \$5.00 per 100; \$40.00 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, Princess of Wales, field-grown, \$5 per 100. H. Madsen, 395 New Bridge St., West Springfield, Mass.

TO EXCHANGE.

To Exchange. Bride and Maid Roses, 2-yr., Obconica Pinks, Harlowarden Carnations; for Geraniums, cuttings or rooted. D. W. Leatherman, Anderson, Ind.

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Commission Dealers.

Ameling Co., E. C., 32-36 Randolph St., Chicago.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kessler Bros., 136 W. 28th St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

Lilley, Samuel F., 5 S. Mole St., Philadelphia.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.

Boston—Penn, the Florist, 43 Bromfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.

Cincinnati—Julian Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex. Texas Seed and Floral Co.,

Dayton, O.—Matthews, 18 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Brettmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.,

Grand Rapids, Mich.—Henry Smith.

Grand Rapids, Mich.—Ell Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky., F. Walker & Co., 634 4th Ave.

Montreal—McKenna.

Milwaukee—O. C. Pollworth Co.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—International Floral Assn.

New York—Alex. McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small & Sons.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.

Terre Haute, Ind.—John G. Heinel & Son, 129 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L St.

Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.

Washington—Gude Bros.

Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.

Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers, Lord & Burnham Co., Irvington, N. Y.

Boilers, Hinchings & Co., Elizabeth, N. J.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to supervise erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenerville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hinchings & Co., 1170 Broadway, N. Y.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 10c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

The Fumigating Kind Tobacco Powder. \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharf Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

JUMPING BEANS.

Mexican Jumping Beans. A great natural curiosity; placed in a warm place in show window will jump for weeks, and draw customers; \$5 per 1,000; 60c per 100, mailed. J. A. McDoell, Mexico City, Mex.

MATS.

MATS. Straw mats for covering hot beds and cold frames. Cheapest and most practical on the market. Send for circular. J. P. Watts, Keermoor, Pa.

MISCELLANEOUS.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

The Richmond Carnation Support 'Mum and Rose Stakes, write for prices. Eagle Machine Works, Richmond, Ind.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Partridge berry bowls, fish globes, hyacinth glasses, etc. Nicholas Wapler, 28 Warren St., New York.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Superior carnation staple, 1,000 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Pillsbury's Carnation Staples, 50c per 1,000. postpaid. I. L. Pillsbury, Galesburg, Ill.

Pacific Coast Plant Tubs. Write for prices. Patton Woodenware Co., Seattle, Wash.

Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.

Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

Dennison tags. Dennison Mfg. Co., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. C. O. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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THIS Parallel Group

is a good one. The plan is right—it's built right and built right by the right people. We

are those people. Write us for information or our circular.

Hitching and Company
1170 Broadway, NEW YORK.

Los Angeles, Calif.

During the past two weeks considerable funeral work has been in evidence and now the bankers' convention is making a stir and retailers are looking around for stock. At the same time it cannot be denied that summer conditions still prevail. Many of the patrons of the florists will, however, be returning home shortly and the outlook is good. Outdoor carnations are still plentiful, our Japanese friends keeping us well supplied, though white is not as plentiful as colored. Cosmos in variety gaillardias, outdoor chrysanthemums and sweet sultan are among the principal offerings. Indoor roses are not yet up to standard, much of the stock arriving being short in the stem and having to be cut tight. Some of the local growers, however, are in cut with good My Maryland, Killarney, White Killarney, Golden Gate and fair Richmond. Beauties are still poor in color but are improving in stem and substance. Local grown orchids are much superior to those shipped in from the northern part of the state, but the supply does not nearly keep pace with the demand. Some elegant *Cattleya Labiata* is in, also *C. Trianae* from newly imported stock. Golden Glow, Monrovia, Hetherington and Touset chrysanthemums are among the showiest offerings now and the indoor grown stock finds a ready market. Green goods are plentiful, especially asparagus plumosus, and there is a fair supply of adiantum.

NOTES.

The Roserie is a very attractive store and C. J. Mueller says that business is already on the upgrade. This store was fortunate in securing the decorations for the bankers' ball at the Shrine Auditorium, October 4. The decorations were very elaborate, consisting of asparagus plumosus sprays and festoons and 40 immense hanging-baskets suspended from the iron girders. The pillars were hidden by banks of palms and other plants, while the approach to the stage was treated as a Spanish pergola, wreathed with fresh grape vines in fruit, the whole forming one of the most artistic arrangements ever put up in this city. Mr. Mueller also says they have quite as much funeral work as they can handle.

Something like a famine in flowers of all kinds occurred during the early part of the last week in September, occasioned by the fall opening of various stores. Almost every window in town was decorated more or less and many beautiful and novel effects were created, but one jeweler certainly deserves credit for his originality. He gave orders several days in advance

GREENHOUSE CONSTRUCTION

If you have no objection to purlin posts you will find **King Semi-Iron Construction** very superior in design, giving great strength and rigidity of frame and resisting all strains at reasonable cost.

Send for bulletins,

King Construction Co.,
NORTH TONAWANDA, N. Y.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

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Telephones: Lincoln 410 and 411.

You get the best, at a reasonable price, when you order material of our

Louisiana Red Cypress

— PLANS AND ESTIMATES FREE. —

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings, Glass, Ventilating Machinery, Hotbed Sash, Pecky Cypress.

The Foley Manufacturing Co.,

Western Ave. and 26th St.,
CHICAGO.

for a number of roses to be held over for him and in each open flower were placed uncut diamonds to represent dewdrops. Naturally this window was greatly admired.

Chicago friends of Leonard Kill will

be glad to learn that he is doing well in the real estate business in this city, having put over several deals of considerable magnitude at a good profit. This shows Mr. Kill's business acumen is not confined to the florist trade.

HEATING PLANTS

Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now.

Send for our Special Heating Catalog, filled with valuable information; tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. **300,000 feet of Standard Pipe,** all sizes; will be cut to any length.

Engines, Boilers, Valves and Fittings. Building Materials and Supplies.

Send for our new 1000 page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO.

Genial and alert as ever, he looks uncommonly well and apparently the climate of California suits him.

Wm. Haerle has been cutting fine cattleya labiata for which the demand is excellent. He has also been in with some very bright and clean Monrovia chrysanthemums and the quality of his My Maryland, Killarney and other roses can not be beaten locally. Mr. Haerle has several sports and novelties in the rose line that look promising. He is installing a manure water tank and pipe system.

R. W. Saakes, "the American Florist," has executed several large orders of late, including one table decoration for 125 of the Pacific Gasmen's Association at the Alexandra hotel. Six hundred American Beauty roses were used here and the electric lighting effects were novel and good.

A fine cut of roses from the new greenhouses is being handled at Wright's Flower Shop, Manager Wern reporting business fine for this time of year. Several large orders in connection with the bankers' convention and preparations for others has kept the staff busy.

O. C. Saakes has been showing some elegant cut flower and plant stock, his chrysanthemums being especially fine. He reports business picking up in good shape and is getting a good share of funeral work.

Some of the best outdoor grown Golden Glow chrysanthemums we have seen have been handled by J. W. Wolters at the Angelus Flower Shop among other good stock.

Wolfskill's have a very attractive rockery arrangement in their window on Fourth street that attracts quite a little attention. Business is improving here.

H. R. R.

Louisville.

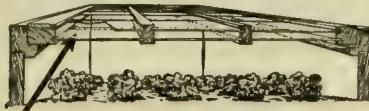
On the opening night of the horse show President A. J. Carroll tendered a dinner to the members and visiting exhibitors, including Messrs. A. G. Vanderbilt and Sorg of New York, at the Pendennis Club. The decorations, which were very effective, were of Richmond roses arranged in the shape of a horse shoe. The following evening Mrs. Carroll entertained the members and their escorts, and the decorations were beautiful and elaborate, consisting of My Maryland roses, violets and cattleyas, every lady being presented with a corsage of orchids. The decoration for both occasions were furnished by M. D. Reimers.

Pay for themselves in a single season

Sunlight Double Glass Sash will more than pay for themselves in the better, earlier crops that will bring the big prices on the early market—and in time and labor saved in caring for the beds.

You never have to cover Sunlight Sash

You can throw away expensive, cumbersome boards and mats. You can save all the time you now take to cover and uncover the beds—because Sunlight Double Glass Sash have—



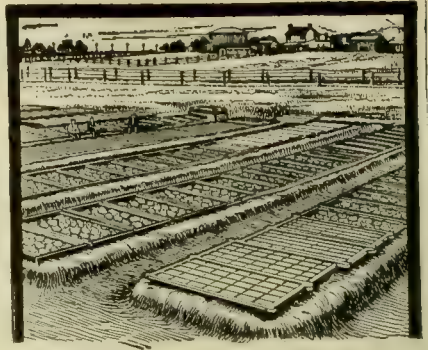
Two layers of glass instead of one

Between the two layers of glass is a $\frac{1}{2}$ inch layer of dry still air. This transparent blanket is a perfect non-conductor, keeping in the heat—keeping out the cold—permitting the plants to get all the light



Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Mention the American Florist when writing



all the time. The result is that plants under Sunlight Sash will be ready for the market weeks ahead of those grown under single glass sash because the plants get the light from sun-up to sun-down—which means faster and stockier growth.

Glass is held in place without putty. Cannot work loose—easily replaced.

One user of Sunlight Sash writes: "The coldest day was 2 above zero and no plants were reached by the cold. Not only did the seeds germinate quicker under the double glass, but the plants do much better than under the single glass sash. And the labor saved in extra covering will soon pay for the sash."

R. M. Kingsley, Greenville, Tenn.

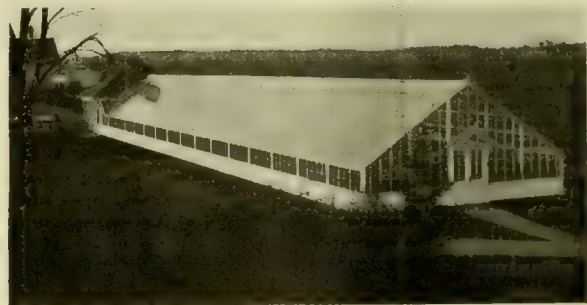
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Get these two books

One is our free catalog giving all the details and our freight prepaid and guaranteed delivery proposition. The other is a book on hot-beds and coldframes by Prof. Massey, an authority on the subject. This book is of vital interest to every professional grower and florist. In stamps will bring Prof. Massey's book in addition to the catalog.



Write today



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It was erected for Mr. E. Y. Weber at Stamford, Conn., J. Thompson Gardener. The house is 141 feet long and 30 feet wide, has five benches and is divided into three compartments.

The construction is our Sectional Iron Frame with Angle Eave Plate and boarded sides. It is fully described and illustrated in the Advance Pages from our New Catalog. And speaking of greenhouses, you will find these pages of especial interest—they line up the question in a way that has never been done before. Send for the pages.

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Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

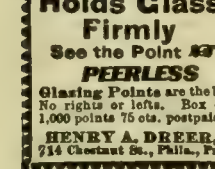
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**VAUGHAN'S
SEED STORE,**
Chicago or New York

Rochester, N. Y.

The Rochester Florists' Association is making preparations for the annual flower show which is to be held in Convention Hall November 1-5. President Frederick W. Vick has named the several committees and they are enthusiastic and at work to make the show a grand success. F. J. Keller, who had charge of the decorations at the show last year, is again chairman of the committee on decorations, and is perfecting plans that promise to eclipse anything heretofore seen in this city.

UPTON, MASS.—A. A. Bowker is building a 25-foot smokestack for his greenhouses on Main street.

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A. No. 1. Prompt shipments.

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Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

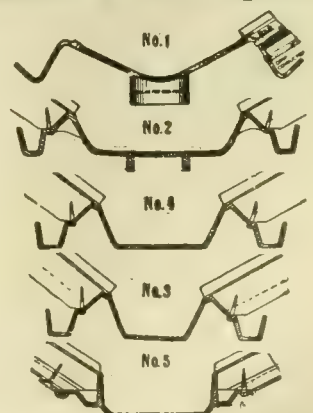
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Write for descriptive circular and delivered
prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Atlanta, Ga.

The fall weather is now here and the drought is broken and business is beginning to pick up. Outside flowers are about through and at the greenhouses everything is in good shape and ready for the winter. Cut flowers are of good quality, roses and carnations are fine and chrysanthemums are now on the market. The past week was a very good one for all the florists, funerals the first part and the Roosevelt receptions the latter part of the week, kept all hands busy.

NOTES.

The West View Floral Co. has about completed the remodeling of their store. They had the decorations at the Auditorium during the visit of Colonel Roosevelt and at the mayor's country home at Woodhaven where he was the guest of Mayor and Mrs. Maddox. The house was beautifully decorated with asparagus plumosus, white and yellow chrysanthemums and American Beauty roses. The centerpiece for the table was a star arranged with American Beauties at the points and lily of the valley and orchids in the center.

E. R. Gresham and his bride have returned from their honeymoon.

G. L.

LINCOLN, ILL.—Hans Schmalzl, proprietor of the West End greenhouse, was awarded seven premiums at the state fair, winning four blue ribbons and three yellow ones.

LOUISVILLE, KY.—C. B. Thompson & Co. filed articles of incorporation September 30 with a capital stock of \$5,000. The incorporators are Cora B. Thompson, Louis P. Remmers and Joseph L. Able.

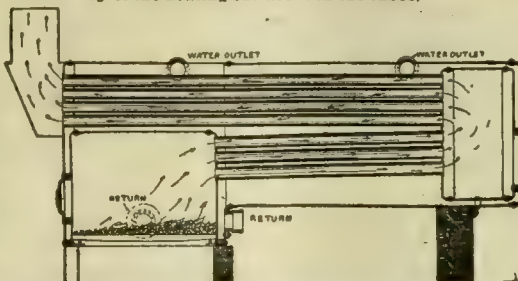
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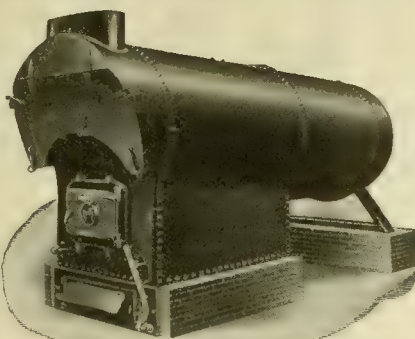
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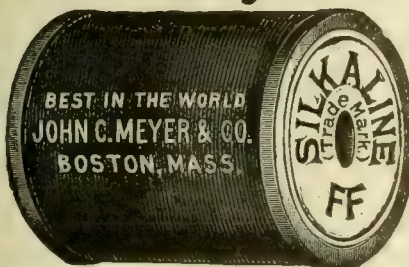
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For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

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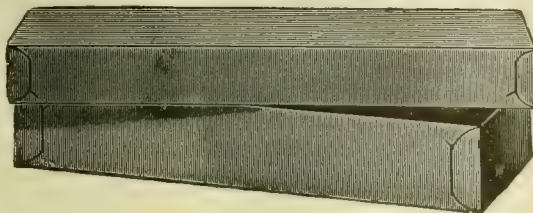


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Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

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Write for prices; also on 'Mum and Rose Stakes.'

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WIRE

cut in any length
Silver, Green
Cotton, & Green
Lacquered Wire.

Syringes, Wire-Shears, Pincers, etc., at
VERY MODERATE PRICES.

Carriage paid to Hamburg on all goods
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Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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GALVANIZED WIRE ROSE STAKES.

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also state whether you wish it for display
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McCray Refrigerator Co.
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Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
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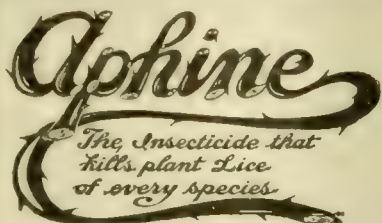
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\$2.50 per gallon; \$1.00 per quart.
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Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
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64-66 Wabash Ave., Chicago.

Providence.

The autumn season is here and the foliage is remarkably handsome, quantities of which are used at weddings very effectively. Funeral work and wedding decorations continue good, while trade has fallen off owing to the very warm weather. Stock is very plentiful and prices low. Carnations are more abundant and of a better quality. Dahlias of good quality and in great abundance continue to come in and sell fairly well. Cosmos is good but sells slowly. Killarney, My Maryland, Richmond and Kaiserin roses are coming in of good quality and sufficient to supply all demands, and the same of orchids, lily of the valley and gardenias. Chrysanthemums in different varieties are in evidence, October Frost, Golden Glow and Monrovia being the varieties to be had at present. Violets are very plentiful, that is the single varieties, and prices only moderate. The demand for greens is not brisk owing to the use of so much autumn foliage.



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Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

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This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Green Flies and
Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do not dare to guarantee?

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SAY SO IN YOUR NEXT ORDER.

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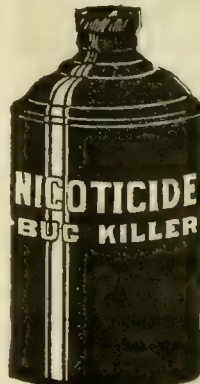


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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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COMPANY,

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THE AMERICAN FLORIST



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Vol. XXXV.

CHICAGO AND NEW YORK, OCTOBER 29 1910.

No. 1169

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1910, by American Florist Company.
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under act of March 3, 1879.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Second National Flower Show, Boston, Mass., March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

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Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston, March 1911. WM. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President. BENJAMIN HAMMOND, Fishkill, on-Hudson, N. Y., Secretary.

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WATER GARDENS.

Aquatics and Their Winter Protection.

At the close of a most beautiful season for all decorative flowering plants one can but admit that aquatics have attained a position where they stand with the best of all. During the hot weather they can be relied upon to produce a magnificent display of gorgeous coloring, and not only coloring, but magnificent individual flowers, bold and massive, unique and rich and delicate in coloring. These flowers having been so satisfactory only enhances their popularity, the cultural methods are so simple. The amount of labor bestowed on them is less than is necessary on any other equal space, while no comparison can be made as to the results. These plants are in greater demand every season and of some varieties the supply is not equal to the call.

Cultural notes have been written in these pages times and again, yet it requires something of an object lesson to demonstrate their practical features. It is gratifying to note an increasing demand for cut blooms of nymphaeas, and that florists have been in daily receipt of first-rate specimen flowers. During the season hundreds and even thousands of these flowers have been used for decorations on special occasions. They have also been much in evidence at various exhibitions during the summer, and our public and private gardens manifest a greater interest in this class of plants—neither is the demand limited to our own land for all Europe is intensely interested in aquatic plants.

The general advancement in the line of culture is very noticeable. Many who made a trial with a few tubs have arrived at a stage when, by experience, they find that a tub twenty-two inches to twenty-four inches in diameter is by far too limited a space in which to grow a good water lily. They are not content with small or moderate flowers or such plants after seeing the large specimens in public and other gardens where nymphaea leaves are to be seen twenty to twenty-two inches across and flowers ten to fifteen inches in diameter. More commonsense methods

are now adopted in the culture of aquatics. A few years ago running water was considered necessary, or there would be stagnation, malaria, mosquitoes and other pests, but this fallacy has long since been dispelled. Plant life in the water oxygenates and purifies the water as do plants and trees the air we breathe, and fish destroy insects, so running water is no longer advocated by practical cultivators.

Now that the season is over, although drawn out unusually late, and numerous flowers are yet to be seen, it is full time that all plants required for stock should be housed, or everything in readiness for security against a sudden fall in temperature. After the first freezing, or even after a period of low temperature, it will be wise policy to remove them to safer quarters.

Where hardy varieties are in water of sufficient depth to be below freezing they will need no further protection, but where choice hardy varieties are grown in an artificial pond and it is necessary to draw off the water to preserve the masonry, the best way, or a very good way, at least, is to dig up the plants and pack them pretty closely together in a box and place this in a pond in water of a sufficient depth to be secure against freezing. If no such pond exists the roots may be packed closely together in a tub and covered with water and kept in a cold house, or even sunken in the ground and covered with boards, covering these in turn with leaves and litter.

The tender varieties that have flowered freely all summer are difficult to keep over unless they can be placed in a tank or shallow pond in the aquatic or other house, where they can be kept in a quiet state, not growing, yet not cold, so as to lose all leaves, such conditions to continue until the days lengthen. Where no tanks are available, and the resources of a greenhouse are at command, then, after the plants are nipped by frost, trim off most of the leaves and roots and remove the stool with a fair amount of soil around it and plant it under the bench near the walk; give a good soaking of water to settle the soil and keep the leaves in as fresh a condition as possible for a time. It will be unnecessary to give

another watering. Let the plants, with the tubers attached, if any, dry up. The central crown will surely die, but the side shoots will ripen good tubers. An examination may be made after a few weeks, and where the roots and leaves or leaf stalks have decayed the soil may be pressed in and around firmly, but the main thing will be to keep them dry and yet not so dry that they will shrivel. In this condition they may remain until spring. These remarks apply to all the night-blooming varieties that form compound tubers, but not the Zanzibar and other African or blue water lilies, unless they are small plants in from 4-inch to 6-inch pots. Plants in these sized pots can be readily placed in a tub of water under the bench.

Nelumbiums in tubs must be protected against freezing. Either sink them in the ground and protect, as before recommended for nymphæas, or keep in a cool house where they will not freeze. Where growing in an artificial pond it will be prudent to protect the masonry where frost is likely to be severe, remembering that the nelumbiums are safe only as they are below the frost line. Muskrats must be hunted down and destroyed if you value your water lilies.

WM. TRICKER.

PLANT NOTES.

Mignonette.

The mignonette that is grown for cut flowers should now be starting its long stems for winter blooming. Care should be taken to keep these shoots straight, and adopt some method of tying or staking that will keep them erect until the blooms mature, for if they get crooked they are worthless. Many growers place short brush, generally the tops of birch or other branching trees, in and between the rows, or wires may be strung the length of the bench and string fastened across to hold the stems upright, and another set of wires and strings added later, when the plants attain sufficient height to require it. Watch for the cabbage worm, which will very quickly eat all the foliage; it is generally found lying along the mid-rib of the leaf, but is a little difficult to find at first, for it is just the color of the leaf. Hand picking is the only remedy.

Violets.

The violet beds will now need constant attention, and the plants that were planted in September should have got a good strong hold in the soil and be making good growth. Keep the plants well cleaned, pulling off all the decayed leaves, and watch for any spot, which, should it be found, remove the leaf at once and burn, so as to destroy the fungus. In removing the leaves, do it very carefully. Many inexperienced men will, in order to hasten their work, take two or three leaves at once, and pull them off with a jerk. This is very apt to break the young roots off and check the plant. Pinch each leaf off carefully with the thumb and finger. Be careful with the watering from now on, for as the plants begin to cover the soil it is very easy to over-water them, and keep the top of

soil well scratched over. Plenty of ventilation all the time. Violets revel in a good, clear atmosphere, and delay giving artificial heat as long as possible, even if the night temperature falls as low as 36°.

Feverfew.

This common bedding plant, generally classed with the pyrethrums, but really a member of the chrysanthemum family, is very useful at Decoration Day, especially where a quantity of cheap bouquets or bunches is demanded. As soon as there is room in the propagating bed, put in a good batch of cuttings, and when rooted, pot off in two-inch pots and place them in a cool house, where they will move very slowly. Later in the winter there are sure to be some sections of the benches that are not producing well, perhaps some new variety of carnation that is not paying for its keep, and then the feverfew may be planted, and it will give a splendid cutting for the Decoration Day trade. It may seem a little early yet to make these cuttings, but in another month the propagation bed



A McCray Refrigerator.

will be full of more important stock and if the plants are rooted now and grown cool they will give much better satisfaction than cuttings taken after the holidays and forced to get them into bloom for the last of May.

Peonies.

It is not yet too late to move or divide peonies, but it should be done as soon as possible. In lifting them be careful to first dig all around the plant and loosen up the soil and get the fork or spade under the long tap roots, for these roots are very fleshy and brittle and break easily. The old plants should now be well cultivated and the old tops removed as soon as killed by the frost and a good mulch of rotted manure spread over them. When the tops are removed don't leave them lying on the ground, but remove them away from the garden entirely, as well as all other rubbish; they only make an excellent place for the cut worm moths to lay their eggs, and where this litter is allowed to remain on the ground all winter a good crop of cut worms is an assured thing the following spring.

LAS VEGAS, N. M.—Perry Onion has installed a large refrigerator in his flower store on Centre street.

THE RETAIL TRADE

J. J. Habermehl's Sons, Philadelphia.

The above-named firm has been in the retail business for many years, and they are noted for their ability to execute a first class decoration on short notice. They have two stores in Philadelphia—one in the Bellevue-Stratford Hotel, the other at Twenty-second and Diamond streets. At the latter store they have a large glass area where they grow very choice stock.

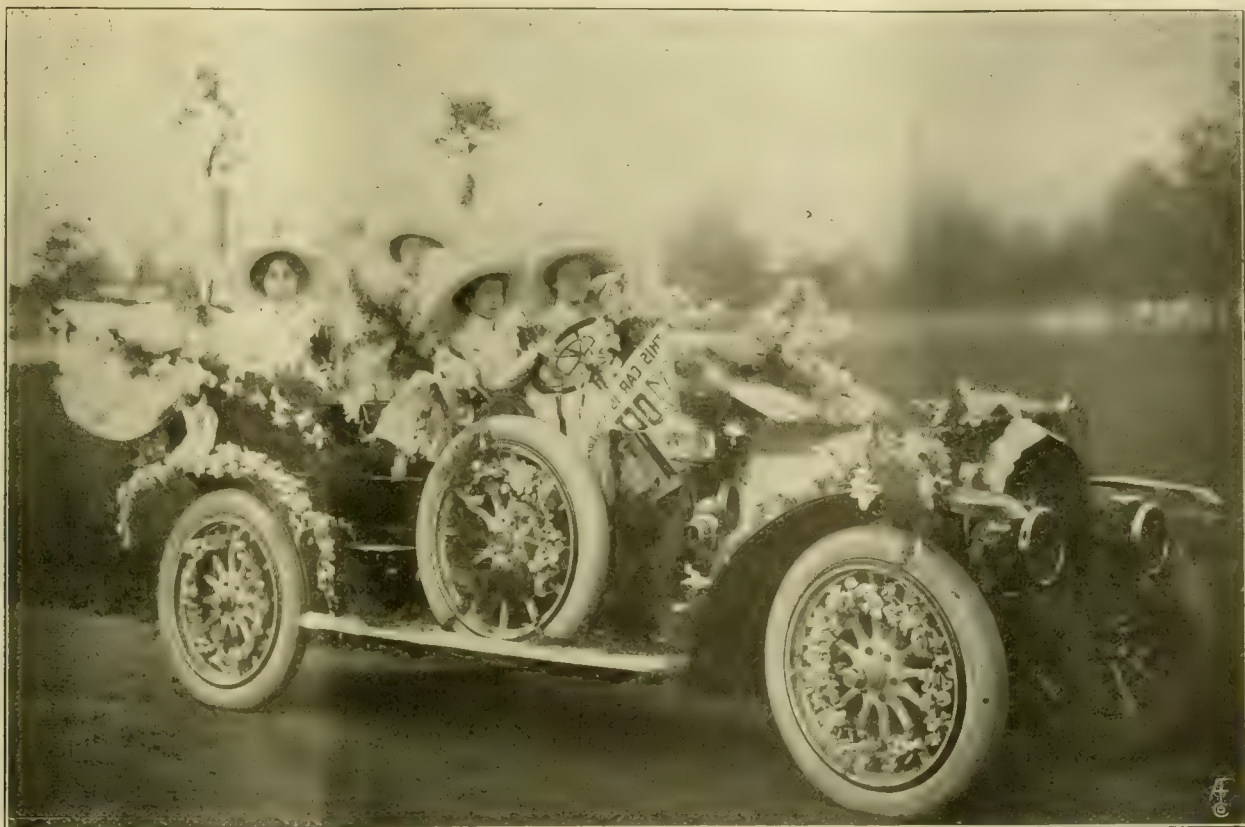
Their latest achievement in the line of decorative work occurred last week, when they decorated the splendid new store of Gimbel Brothers in New York City for its opening. Over 1,000 palms and 100 cases of Southern smilax, as well as thousands of cut flowers, were used in the decorations. To give an idea of the magnitude of this work, it may be stated that the decorations extended over eight floors of the store and that the Sixth avenue elevated station entering the store was also decorated. In the tea room 125 vases of cut flowers were used, and many more in the cloak room and other departments. It was the original intention of Gimbel Bros. to continue the decorations for a week, but it was so popular that they ordered the Habermehls to continue it for another week. It may be said that the rapid construction of the Gimbel Bros.' store has been one of the wonders of New York. Their opening and decorations have brought more prominently to the public view the versatility and ability of J. J. Habermehl's Sons as decorators.

A McCray Refrigerator.

The decorative features of a handsome refrigerator are quickly appreciated by the progressive florist in his store, not only in keeping the stock in excellent condition but also being the proper place to display his beautiful product, and besides making a valuable addition to his handsome fittings. The accompanying illustration represents one of the largest and hand-somest florists' refrigerators ever made, being built for the West View Floral Co., of Atlanta, Ga. Owing to the limitations of the space it occupies, it is of a very peculiar shape and has not a square corner in its construction. The dimensions are 24 feet in front and 26 feet in the rear; the ends are 3 feet and 6½ feet respectively, and it is 10 feet high. The outside is of white enamel with drawers in front for mosses, ferns, etc. The floor is of tile and the back is mirrored and it is fitted with wire shelves. It is not only very unique in design but one that will make a beautiful display and is one of the finest pieces of work ever produced by the McCray Refrigerator Co., of Kendallville, Ky.

NEW YORK, N. Y.—A runaway automobile crashed through the window of the Misses Horn & Hess Co., 756 Lexington avenue, October 15, causing a damage of \$500 to flowers, plants, show cases and vases.

BOSTON, MASS.—Caplan, at 144 Massachusetts avenue, has completed the renovations and has a very attractive store, at which can be found a fine line of seasonable flowers and an attractive window display is always to be seen.



AUTOMOBILE DECORATED BY MRS. ELLA GRANT WILSON, CLEVELAND, O.

The Bulb Industry of Holland.

Paper read by H. J. Schoening, before the Montreal Gardeners' and Florists' Club, October 3, 1910.

At this season of the year, when you are all handling Dutch bulbs, it occurred to me that a brief description of their cultivation by the Dutch growers might prove interesting. Before proceeding, I would like to state that it is now about 12 years since I was connected with the industry in Holland, and I have no doubt different methods have been introduced since, but I do not think the general culture has materially altered.

Most people, when they hear about Dutch bulbs, naturally assume that the whole country is devoted to their culture. As a matter of fact, but a very small area is used. It extends about from Leiden to Haarlem, an area of approximately 125 square miles, and is situated just behind the dunes. These dunes, you all know, are the natural protectors from the sea. They are a range of sandy hills along the North Sea, and prevent the sea from overflowing the land.

The ground in which the bulbs are grown is in many parts more like sand than soil. It is so light that the growers, during dry and windy weather, have to spread diluted cow manure over it, which, when dry, forms a thin cake and prevents the soil from blowing away. Owing to its low situation it is also very wet, and at about three feet water is found. Here are two of the main requisites for bulb culture, light soil and abundant moisture. Also there are hardly ever any hailstorms in this district which is very important. The net result is, a site for bulb culture, which is practically beyond

competition. The whole district has become a vast bulb farm, and the land is more valuable than any equal area of such poor soil in the world.

You will, of course, understand that such poor soil requires much enriching, and for this purpose pure cow manure is used. Generally the manure is dug in in the spring and a crop of potatoes grown on the land intended for planting with bulbs in the fall. The land is split in divisions of about 70 feet wide, and hedges are planted between to break the wind. Each of these squares is again divided in three, to make the beds about 20 feet long with a trench 2 feet wide and 18 inches deep between to carry off surplus water. The width of the beds is usually 4 feet, with a path of 18 inches between each bed.

Propagation commences around July. The method generally employed is hollowing out the root crown of the bulbs though many growers practice the cross-cutting system. It is considered a more rapid way, as bigger bulblets are formed by the latter method. The bulbs having been thus treated are laid on shelves in airy sheds, where they form blublets in about six weeks. It takes four or five years to grow a good-sized hyacinth from these bulblets, though many are sold when much younger. In October planting commences. Some start earlier, but that time is about the average. The various sizes are kept together and for narcissi and tulips a somewhat heavier land is selected. The cut and hollowed bulbs are planted just as they are, and the next year will be grown loose from the original bulb and big enough to look after themselves. After planting, the beds are covered with a sort of

grass called helm. This, I believe, is as much done to prevent the wind from blowing the bulbs bare as to protect the tender noses from spring frost. Hyacinths are covered thicker than either tulips or narcissi.

Winter is a quiet time for the bulb growers. When I was there my time was mostly taken up with skating, for which the canals and ditches round there offer excellent opportunities. They are, of course, all still waters and soon freeze hard. This time seemed all too short to me, as the spring sun in March forces some of the earlier varieties through their covering, and it is necessary to loosen it up somewhat and cover the tender tips which come through. Later on, about half is taken off, and the rest loosened up and put over them again to allow light and air between, but not the full sun. After a week or so, some more is taken off and this process is continued until the tips are quite hard and green, when all the helm is removed. The younger bulbs need protection yet, at this stage, and light lath frames are erected over the beds, over which cheesecloth is stretched. This prevents light frosts from doing any damage.

The most beautiful period now arrives, when they are in bloom. You can easily imagine the sight of fields upon fields of bloom, as far as the eye can reach. Standing upon the dunes and gazing over those stretches of dazzling scarlet or yellow tulips, waving fields of daffodils, while the perfume of the hyacinths reaches one's nostrils is a sensation long remembered. The flowers of the hyacinths and tulips are all cut as the grower wants to direct all the energy to the bulb. Some save the best and ship

them to the London market, but that has not given much profit of late years. I know one grower sometimes hardly got enough to pay for the wood of the boxes. Other times were better, of course, and it depended on the state of the market. The foliage while still green is examined for disease. One man walks along the bed with a cone-like instrument, while another goes before him with an umbrella, to shade the plants, as this particular spot is not visible in sunlight. When a diseased plant is found the cone is inserted, which pulls up bulb and soil around it. This is thrown away, as it is considered the soil is infested as well with this dreaded disease.

The beds are now just kept clean until the foliage dies down and the bulbs well ripened. They are then taken up and carted to the sheds, where an army of women and girls are ready to clean and sort them in various sizes. These sheds are like huge barns, in which trays are erected from top to bottom, and have windows on all sides. As soon as the bulbs are cleaned they are all put thinly on these shelves and the windows opened to dry them thoroughly. The sun is never used to dry them. When the hyacinths are thoroughly dry they are examined for disease. This operation consists in just cutting the nose off to see if there is any decay between the layers. If so, they are immediately discarded and burnt. Some diseases are contagious, so to speak, and they would infect other bulbs and also the soil in which they would eventually be planted. Only experienced men do this work, of course, as it is of great importance to keep the stock clean and healthy. The hyacinths which are used for propagating are even more closely watched for the dreaded yellow rot, which is very difficult to discern. All the bulbs of flowering size are kept on the lower shelves, as buyers come around daily. There are many small growers who sell their bulbs to the wholesalers. Also, many of the workmen cultivate a few tulips, which they sell to the larger growers. Their wives and children generally attend to their lots. Packing time is also a busy season. You are all familiar with the way they are packed, so I need not dwell on that subject.

I could not find any statistics as to the quantity of bulbs grown in Holland. In an address which Mr. Krelage made to President Roosevelt, during the latter's visit to the Haarlem Flower Show, he stated that 3,500,000 kilogrammes of bulbs were yearly shipped to America, and this was not a fourth part of the annual production. So, figuring on that estimate, the yearly output would be over 14,550 tons.

I think, gentlemen, this is about all I can tell you about the bulbs growing in Holland. I thank you all for your attention.

COLORADO SPRINGS, COLO.—The Pikes Peak Floral Co. has bought the lease, business and fixtures of the Colorado Springs Floral Co. and will conduct a retail store at 104 North Tejon street. They will continue the retail store at the greenhouses, corner of Platte and Wahsatch avenues. The area of the combined greenhouses of this company is over three acres.

ORCHID NOTES.

Hybrid Cypripediums.

The hybrids of cypripedium with Spicerianum blood in them are among the finest of all and form a beautiful and showy section. In the one figured the median line on the dorsal sepal is well defined, showing the Spicerianum influence. This is also noticeable in the wavy petals, while the Charlesworthi parentage is seen in the white staminode plants characteristic of this fine cypripedium. These hybrids, of which Leeanum and its varieties are well known examples, are easily grown and rapidly make fine specimens. There is a vigor about them that is lacking in many of the species and anyone who wishes to form a collection, either for cutting or for a display in the plants, will do well to include plenty of these choice hybrid forms.

Laelia Elegans.

Laelia elegans is one of the most variable orchids in existence and a fine subject for cutting from. It is known to botanists as *Laelio-cattleya elegans*, being thought to be a natural hybrid between *cattleya* and *laelia*. But the old name of *Laelia elegans* is the one by which it is, and probably always will be, best known to growers and the trade generally. It is a moderately

color the ordinary type of *Laelia elegans* is a pretty bright rose and the shape is well shown in the illustration herewith. The spikes carry from two to seven or even eight flowers and a large plant, with several spikes flowering at once, makes a very fine show. There are many named varieties of *Laelia elegans*, but they are not all particularly distinct and run from one into the other. One excellent kind should, however, be noted, *Laelia elegans Turneri*, a larger flowered, deeper colored variety far superior to the type.

Growing Lily of the Valley.

ED. AMERICAN FLORIST:

When is the proper time and what is the proper way to grow lily of the valley? Should they be grown in pots or benches? Could they be grown in the same bench with *Adiantum Cupeatum*?
SUBSCRIBER.

The growing of lily of the valley and *Adiantum Cupeatum* in the same bench would be out of the question, for the former requires the house or portion of the house where grown specially prepared for it and is grown in a temperature of 85° to 90°. The growing of lily of the valley on a small scale seldom meets with much success. The methods employed by most growers is to plant the pips in specially prepared frames, filled with sand, that can be



LÆLIA ELEGANS.

tall growing plant, flowering freely every year and rather variable in its time of flowering. The plants should be grown in shallow pots just large enough to take them easily and leave a margin of about an inch around them. There is nothing to beat good osmunda fiber firmly placed over good drainage for these orchids and they should be repotted just as they begin to grow away at the base and before the roots have made much progress. In

closed tight and well shaded, or in boxes or pots of sand and placed in such an enclosure with a slate bottom where the bottom heat can be maintained at 85° or 90°. The sand should be copiously watered daily and preferably with water of the degree of temperature of the sand until the blooms begin to open, then care should be taken not to wet the flowers. The frame is shaded very heavily, and when the flowers are nearly matured

the boxes are taken out and stood in a light warm house, avoiding all drafts and allowed to remain two or three days until the foliage acquires natural color and the blooms attain the necessary substance. The plants under this treatment will bloom in three to four weeks from planting. W.

THE CARNATION.

Cultural Notes.

The weather conditions nearly every night now are such as to make firing up and the use of a little steam heat in the carnation houses a necessity. A crack of ventilation on, with a little steam circulating through one of the lines of pipe, with the temperature of the houses held as near 50 degrees during the night are the conditions that ought to be maintained while the weather remains fine and moderate. Bright warm days and cool nights are ideal for a good sturdy growth of the carnation plants but any attempt at coddling or forcing must be avoided. This is the time for the plants to build up tissue for the winter's work. One of the most important things to guard against is a sudden rise in the temperature, particularly early in the day. If steam has been used during the night it should be turned off early if the day is breaking fine. It is the high temperature early in the morning that brings the red spider and thrips. Turn off the steam as the sun strikes the glass and commence to ventilate gradually, but freely, unless a strong cold wind is blowing, when it will be necessary to use caution to prevent a cold current of air striking directly on to the plants.

Watering and syringing are particularly important parts of the work just now. Early planted stock is by this time well established and will take liberal waterings, but greater care must be exercised with plants brought in from the field as late as the month of September. These will not consume nearly as much water as plants benched during July and August, and for the roots to work quickly, it is best to let the soil dry out moderately. Syringing can still be carried on every bright warm day, and the plants are greatly benefited by it. This should be done between ten o'clock and noon, if possible. If you cannot get around to finish the syringing and watering by noon, it is better to let the remainder go over to the next day, because there is very little drying up of the moisture after two o'clock, and it is fatal for the plants to be in a wet condition over night. The work of getting the shoots into the rings or strings must be followed up closely, to give the plant every chance to straighten up its growths, also remove any decayed or diseased foliage.

Disbudding is an item that will continually confront us from now on, but disbudding at this time we have found to work a little different than later in the season. We find it best to allow a trifle more development to the buds before removing them than we can do later on. If the disbudding is carried up very close, the main bud on some of the varieties will come crooked and also start to burst. Also, while long stems are very essential, it is best to



HYBRID CYPRIPEDIUM — CHARLESWORTHII X SPICERIANUM.

go a little slow in this respect for a month or so yet, and not remove too many of the side shoots with the object of gaining a few inches in the length of the stem. It will pay best in the long run to be content with medium stems for a little while and reserve to the plant as many of the lower side growths as possible. Another very important item just now is, if there are any flowers on the plants with stems too short to be serviceable, do not let them remain on long enough to be breeding places for thrips; remove them and keep everything around the plants and underneath the benches clean and fresh to guard against red spider and other pests.

C. W. JOHNSON.

Rex Begonias and Chrysanthemums.

ED. AMERICAN FLORIST:

What is the best method of propagating Begonia Rex and other varieties? What is the best way to keep cut chrysanthemums? How are the stock plants of chrysanthemums to be treated after the blooms are cut?

SUBSCRIBER.

Begonia Rex are propagated from leaf cuttings. Large and fully matured

leaves may have their ribs cut on the under side and pegged down on a well-drained, warm propagating bed, and, if carefully shaded, small leaves will grow where the cuts are made. The small plants can then be potted. Or the leaves may be cut into triangular pieces with a bit of the main petiole at the base, and these inserted in the propagating bed. Another way is to cut the leaf across the veins and stand it edgewise in the propagating bed. Other varieties are rooted with top cuttings, as are all soft wooded plants. Chrysanthemum blooms, if allowed to fully mature on the plants (not cut when too soft and young) and placed in large, deep vases or jars of water, which in turn are placed in a cool room away from all drafts for 10 or 12 hours, so that they may absorb the water, there will be no trouble in the blooms keeping. After the chrysanthemum blooms are cut, if the bench room is wanted for some other crop, the best plants should be selected and lifted and planted out in a bench in a cool house, and the cuttings will grow up from the old stock, or if the bench room is not wanted they can remain in the bench where grown, until the cuttings are taken. W.



DINNER OF THE BOSTON FLOWER EXCHANGE, AT YOUNG'S HOTEL, OCTOBER 22, 1910.

WITH THE GROWERS

The Robert Craig Co., Philadelphia, Pa.

There is an old joke concerning the futility of carrying coals to Newcastle. Newcastle, be it known, is one of the leading coal producing centers of England. Along these lines it may be said that to write of the Robert Craig Company, as growers of fine foliage and flowering plants seems almost like vain repetition, for this firm is so well known, and its reputation is so well established that it would seem that little more could be said of it. However, a good editor is a man who knows when something is going to happen, and has a reporter on the spot to take it all down. It was the fortunate assignment of this scribe to recently visit the range of this company and he will briefly state a few facts concerning what he saw there. As a preliminary he will state that for many years, Robert Craig has been a national figure in the production of the best things in the line of plants. His reputation is so well established that no one has ever attempted to dispute it. In recent years though, he has, to a considerable extent, turned the business over to his sons. He still retains an active interest and is the same genial, kindly and intelligent grower that he has been for many years.

Probably the most notable feature of this range at present is the crotons. Formerly crotons were considered as exotic, which in common parlance means something that is very delicate and must be handled like a baby. The genius of the Craigs has changed all this. Their crotons can be handled in any store where average intelligence prevails. By careful and intelligent work they have brought the croton to every retail store, and thus introduced them to every home where beauty is appreciated. Just recently, one of the leading retail stores of Philadelphia featured the Craig crotons in its show window and the attraction was so great that the sidewalk was blocked for hours and the reserve policemen had to be called out to regulate traffic.

The plant display at this range, even in these days of advancement, is most astonishing. There are at present from 12,000 to 15,000 cyclamens in from four to eight-inch pots and pans, all in the pink of condition. Many of the largest of these plants are now 26 inches in diameter. Along toward Christmas, when they will be in full bloom, their attractiveness can as well be imagined as described. Five thousand of these plants are in 4-inch pots and have been grown exclusively to supply the basket trade, which is always a great feature at Christmas. We will agree that the average retailer is a little suspicious of what he reads, but in this case the best advice we can give him is to go and see for himself. There are no "No Admittance" signs around the Craig range. All their work is open and above board and the millionaire and the laborer can there meet on common ground. We regret the impossibility of ever giving an outline of all the good things to be seen at this range. There are 28,000 poinsettias in pots and pans, 5,000 of which are double.

Dracena Massangeana is here shown in its finest form. There is one large house of these plants that we will venture to assert cannot be duplicated in the whole world. Possibly the people who have pinned their faith to airships may doubt this assertion, but we are writing of things that are on terra firma and that may be seen. The old Bible, which has been discarded by a bunch of crooks and fakirs, tells us that wheat shall be preserved, and that the chaff shall be burned.

A Day at Rutherford, N. J.

At one of the meetings held by one of the congressional committees at Washington a certain senator in the course of his remarks stated that in the horticultural industries of this country there were involved but a comparatively few hundred thousand dollars. Would that we could have had the pleasure of escorting that gentleman around the many different establishments adjacent to New York and show him the magnitude and the capital in-

vested in this business and convince him that he knew not of what he was talking. A trip to Rutherford, N. J., which is only one of many places made famous by horticultural pursuits, would find 10 or 12 establishments that required a capitalization of from \$2,000 to \$75,000 each. Here are located the immense nurseries of Bobbink & Atkins and the renowned greenhouse plant of Julius Roehrs Co., and a full day's time can easily be spent at these noted places in admiring the magnificent stock to be seen.

BOBBINK & ATKINS NURSERIES.

Entering the grounds of these famous nurseries we are immediately impressed with the magnitude of the estate and the vast quantity of excellent stock to be seen in all directions. Acres of beautiful evergreens and conifers of all the different sizes and shades, beautiful specimens of these magnificent plants for the decoration of parks and estates. Beyond these are the herbaceous gardens containing everything in this line that will supply the wants of the landscape gardener. A specialty of this firm is the large variety of Irises, both German and Japanese. At the right of the entrance are situated the buildings containing the several offices of the firm; here are the busy rooms where the various landscape plans are drafted and the necessary clerical work of such a vast establishment performed. Here also are the large packing sheds containing the accessories that are required to properly encase and ship this valuable stock. Passing out of the packing shed we are confronted with some of the large, elegant bay trees, and we walk through the lanes of these stately trees grown in such decorative forms, to the large greenhouse filled to repletion with palms and decorative plants, kentias, phoenix, dracenas and other necessary florists' stock here grown in all the desirable sizes are seen in abundance, all ready to be shipped to the fortunate purchaser. Each department is in charge of competent foremen and the excellence of the stock is evidence of their ability. Before leaving we

want to notice the garage, a new two-story cement building, wherein are housed the heavy motor trucks which have supplanted the slower horse and wagon. In this building is a fully equipped machine shop with all the necessary appliances for making repairs. In the second story is the carpenter and cooperage shop where the plant tubs and other woodwork are finished.

JULIUS ROEHRS CO.

Just across the road and directly opposite the nurseries which we have just visited is the world renowned plant of Julius Roehrs Co. Passing down the walk, between extensive lawns, bordered by magnificent specimens of large bay trees, we enter the main entrance to the large greenhouses, and as we enter the door on either side of the long corridor are houses filled with the beautiful exotics of the world which have been gathered after so many hardships in the tropical countries. House after house of exquisite orchids, some with their handsome flowers drooping towards us, others with blooms standing erect and still more making large growths that will bloom later and adorn many a festive occasion during the coming winter, as here can be found the largest collection of these rare and beautiful plants in this country. Competent growers who have spent years in the care of orchids are here employed and their successful culture is manifest not only in the prizes at the different exhibitions which this concern has won, but also in the appearance of the stock before us. Cattleyas of the different varieties predominate and many rare and beautiful specimens can be observed. The houses of palms and greenhouse stock are in fine condition and some noble specimens of these plants are here on sale. Five new greenhouses are in course of construction to meet the growing demands upon this enterprising concern, and these have required the addition of two new boilers to supply the necessary temperature. Passing by the offices we enter the large packing room which an establishment of this kind requires, and here we find a force of busy men fully equipped with everything that may be required to successfully pack these valuable products, that they may reach their destination safely. We certainly left this noted establishment with the well-formed opinion that the day had been most interestingly spent.

Chrysanthemum Chrysolora.

This new variety can be briefly described as an early Col. D. Appleton coming in 15 days earlier; is of larger size, stronger stem, not quite as tall and in color is intermediate between this variety and Maj. Bonaffon. We consider this one of our greatest achievements, possessing sterling worth from the commercial standpoint, while its size and splendid keeping qualities permit its taking a prominent part at the exhibitions. Best buds are those selected Aug. 1st to 15th. Awarded 93 points at New York and 94 points at Cincinnati, commercial scale, October 15th, 1910. Elmer D. Smith & Co., Adrian, Mich., sponsors.

European Horticulture.

Among other floral pieces seen at a Paris exposition, a tea table arrangement was especially successful. Two gallows-shaped frames of bamboo of unequal height were placed at opposite sides of the table, forming a sort of gateway over it, and decorated with odontoglossums, cattleyas and asparagus, all arranged with much lightness and elegance. The unusual effect of the table with an arch or handle over the center was unique and pretty. A cluster of Malmaison roses, barred across by prettily grouped bachelor's buttons, like a blue scarf, was simple and charming. An arrangement of the long white spikes of eremurus, surmounting *Iris pallida* and graceful peonies, the base supplied by *Asparagus Sprengeri*, though formal, was exceedingly handsome. Another tea-table,

red Jules Lefebvre was quite in accordance with tradition, while another arrangement of a few sprays of deep red roses floating over a bunch of Malmaisons was not so well received.

Philippe de Vilmorin, addressing the horticulturists gathered at his home May 27, said among many good things: "Natural sciences have this peculiarity which distinguishes them from most branches of physical science, that their application long precedes the formulation of theory. In horticulture, until relatively recent times, theories have been developed by the necessity of explaining results attained. But this is no longer true, and science has made such progress in the last century as to be able now to guide and enlighten practice. We see vanish without regret the time when horticulture was an empiric art, evolving by chance or under the exceptional impulsion of able minds fitted to their task, but without knowledge of its laws. Horticulture and agriculture can produce their best



CHRYSANTHEMUM CHRYSOLORA.

placed under an arbor of climbing roses, red with bloom, had a silver flower stand in which were gracefully arranged sprays of *Odontodia ignea*, repeating the tone of the roses. A balcony decoration of hydrangeas, blue and pink, whose great heads of bloom leaned through the balusters, a plant of *Ampelopsis quinquefolia* drooped its graceful sprays below and two vases of pink hydrangeas and two of palms surmounted the pilasters which broke the monotony of the balustrade. A most harmonious arrangement. A cluster of Mme. Chatenay roses surmounting the

fruits when deeply rooted in the fertile soil of botany and biology."

The English papers recount that the duke of Marlborough, visiting an English horticulturist's garden, noticed a lady admire a certain rose, which he gallantly picked, removed its thorns and presented. His surprise when presented with a bill for \$750, the grower claiming it as the result of 10 years of persistent labor, may be imagined; also his chagrin at being obliged to pay, and his reflection that (*Moniteur d' Horticulture*) "it is better to leave the misses to their mothers, the roses to their bushes."

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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PLAN now to attend at least one of the large fall exhibitions. Don't be a mossback, come out of your shell and see what the more progressive fellow is doing.

CHRYSOLORA is a grand yellow chrysanthemum, scoring 94 points in Cincinnati and 93 points in New York, when exhibited before the examining committees of the Chrysanthemum Society of America. The highest scores obtained by any variety before two committees since Mdle. Jeannie Nonin was exhibited in 1904.

Wintering Lantanas Outdoors.

ED. AMERICAN FLORIST.

Would you please inform me through your paper if lantanas will stay out-of-doors over winter if protected a little?

Indiana. M. J. W.

We don't believe that lantanas can be wintered out-of-doors in Indiana. On an occasional season one or two sorts will barely come through if protected, but the lantana is a tender plant, very susceptible to frost.

S. A. H.

A Florist's Wheelbarrow.

The Toledo Wheelbarrow Co. of Toledo, O., have placed upon the market a barrow for the special use of florists. After conferring with leading florists they believe they have constructed a barrow which will fill a long felt want and will meet all the requirements of the greenhouse. The features which they particularly desire to bring to the attention of the trade are that it is built narrow enough to be used in the aisles, has handle guards to protect the knuckles, angle iron legs and sockets for the side boards, and equipped with their patented "never break wheel." The dimensions are: Of the handles, 1½x2x59 inches; inside width in front, 15½ inches, and at handles, 18½ inches; extreme width at handles, 24 inches.

Reporting Exhibitions.

To save time and trouble in reporting the awards at exhibitions, correspondents should adopt the one correct style throughout, which is given below on this sheet. It will be noted that the addresses of firms appear only once, that the addresses of gardeners of private exhibitors appear only once and that the awards follow (not precede) names of prize-winners. Referring to the time of any event, give the date of the month, not the days of the week.

AWARDS.

Cut Blooms—Chrysanthemums.
Fifty yellow—Chas. H. Totty, Madison, N. J., first, with Robt. Halliday; E. G. Hill Co., Richmond, Ind., second; Elmer D. Smith & Co., Adrian, Mich., third.

Fifty pink—Dailedouze Bros., first, with Gloria; E. G. Hill Co., second; Walter Hunnewell, Wellesley, Mass., (T. D. Hatfield, gardener) third.

Fifty white—Dailedouze Bros., Flatbush, N. Y., first, with Miss Virginia Poehlmann; Elmer D. Smith & Co., second; E. G. Hill Co., third.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass.—Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York.—Eugene Dailedouze (chairman), Wm. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa.—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O.—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago.—J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee, must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called

to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

OFFICIAL JUDGING SCALES.

Commercial.	Exhibition.
Color	Color
Form	Stem
Fullness	Foliage
Stem	Fullness
Foliage	Form
Substance	Depth
Size	Size
Total	Total
Single Varieties.	Pompon Varieties.
Color	Color
Form	Form
Substance	Stem and foliage
Stem and foliage	Fullness

Single varieties to be divided in two classes, the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Albany, N. Y., November 10-12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Frederick Goldring, chairman show committee.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. C. P. Close, secretary, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show, Society of American Florists, Mechanics' Building. Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Chicago, November 8-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. J. H. Burdett, secretary, 1620 W. 104th Place, Chicago.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indiana, Tomlinson Hall. A. F. J. Baur, secretary, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Lenox, Mass., October 26-27, 1910.—Tenth annual fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox, Mass.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elberon Horticultural Society. R. Carey, secretary, Long Branch, N. J.

Milwaukee, Wis., November 9-13, 1910.—Flower Show, Milwaukee Florists' Club, in the Auditorium. H. V. Hunkel, 462 Milwaukee street, Milwaukee, Wis.

Minneapolis, Minn., November 9-13, 1910.—Flower show Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society.

New Haven, Conn., November 1-3, 1910.—Annual exhibition of the New Haven County Horticultural Society, Music Hall, 115 Court street. Frederick H. Wirtz, secretary, 88 Nicol street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Forty-fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Philadelphia, Pa., November 8-11, 1910.—Annual exhibition, Pennsylvania Horticultural Society, Horticultural Hall, Broad street, below Locust. David Rust, secretary, Horticultural Hall, Philadelphia, Pa.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland Hotel. Angus McLeod, secretary, 163 South Allen avenue, Pasadena, Calif.

Poughkeepsie, N. Y., October 27-28, 1910.—Annual flower show, Dutchess County Horticultural Society.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues, 616 G. Koehnig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 18 Front street. Adin A. Flinn, secretary, Horticultural Hall, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., November 3, 8 p. m.—Albany Florists' Club, 71-73 State street.
 Buffalo, N. Y., November 1, 8 p. m.—Buffalo Florists' Club, 385-387 Ellicott street.
 Chicago, November 3, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.
 Indianapolis, Ind., November 1, 3:30 p. m.—State Florists' Association of Indiana, State House.
 Lake Geneva, Wis., November 5, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.
 Lenox, Mass., November 5.—Lenox Horticultural Society.
 Louisville, Ky., November 1, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
 Milwaukee, Wis., November 3, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.
 New Orleans, La., November 2, 8 p. m.—German Gardeners' Club, 324 Common street.
 Newport, R. I., November 2.—Newport Horticultural Society.
 Pasadena, Calif., November 4, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Columbia street.
 Philadelphia, Pa., November 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.
 Pittsburgh, Pa., November 1, 8 p. m.—Florists' and Gardeners' Club of Pittsburgh, Fort Pitt Hotel, 10th street and Penn avenue.
 Salt Lake City, Utah, November 1.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.
 San Francisco, Calif., November 5.—Pacific Coast Horticultural Society.
 Seattle, Wash., November 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 St. Paul, Minn., November 1, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.
 Utica, N. Y., November 3, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.
 Washington, D. C., November 1, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address
 Key 226, care American Florist.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Nov. 1.
 Key 219, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman, in Chicago; 14 years' experience; good references to show.
 Key 218, care American Florist.

Situation Wanted—As assistant gardener on private place; German, age 34, single; 16 years' experience. C. PECHT
 care C. F. Bertanzel, Florist, Roslyn, L. I., N. Y.

Situation Wanted—By sober young man, 25, life experience in roses, carnations, etc., capable of taking charge of section or commercial place. Northwest preferred; state wages. Address
 Key 227, care American Florist.

Situation Wanted—As superintendent or manager of country estate; life experience in all departments of a large general estate; capable of planning and developing a new place; systematic and economical in management and highly recommended; kindly give particulars. Address
 SUPERINTENDENT, Box 81 R. F. D.
 West Austintown Ohio.

Situation Wanted—By an experienced gardener; am holding my present position as manager of hot beds and garden of 35 acres for the seventh consecutive year; familiar with the plant life of everything grown in the garden; know the business; can bring about good results; the best of references. Address
 Key 225, care American Florist.

Help Wanted—Two rose growers. Apply at greenhouses.
 BASSETT & WASHEURN
 Hinsdale, Ill.

Help Wanted—A florist for pot plants and handy to decorate, steady position, also one girl for store.
 HESS & SWOBODA, Omaha, Neb.

Help Wanted—A rose grower to take care of section. Wages \$70.00 per month.
 HESS & SWOBODA, Omaha, Neb.

Help Wanted—At once, a man who can dig and pack nursery stock, mostly evergreens and fancy ornamentals handled.
 J. J. BONNELL,
 26 Avenue and East Galer, Seattle, Wash.

Help Wanted—A single man that knows how to grow carnations, to take care of fires and to do general work: \$25 a month and board to start with; must be sober, honest and hustler.
 Address C. K. SWENSON, Elmwood Conn.

Help Wanted—A good sober all-around man to grow roses, carnations, mums and a general line of bedding and blooming plants; a man not afraid to work; state wages and experience in first letter.
 GUS JOHNSON,
 306 E Springfield Av., Champaign Ill.

Help Wanted—Florist for general work in a small range of houses; must be competent to grow any small stock, also roses a good job for the right party; with your reply state wages wanted and references; act quick.
 OTTO SCHWILL & Co., Seedsmen,
 18-20 S. Front St., Memphis, Tenn.

For Sale—\$8,000.00 seed and hardware stock, doing good business; good reason for selling.
 E. J. HOEBERGEN, Des Moines, Ia.

For Sale—At a bargain, a splendid greenhouse business in Indiana; only a small amount of capital needed by the right person. For particulars and terms address
 Key 210, care American Florist.

For Sale—One McCray's florist's refrigerator, double glass front 3 ft and sides 2 ft., 6 ft. high oak finish almost new (in use only two months). A bargain for someone. Act quick if you need one.
 LAKE NEWELL FLORAL CO.,
 care A. E. RADKE, Mgr. Newell, W. Va.

For Sale—At a bargain, a modern greenhouse, 101.0 sq. feet of glass; equipment complete; 6-room house and barn; city lot 150x150, no capital needed to buy to right persons; pay for it as greenhouse earns it; local trade takes care of entire growings.
 Key 223, care American Florist.

For Sale—Florist place in New England half way between New York and Boston; All shipping facilities; good retail trade, designing, etc.; near two large cemeteries with own water supply and pipe line; two greenhouses 100x22 ft., 60x4 ft.; four years old; another house needed to supply local demand; new boiler already set up in cellar for another house; lot of new piping, pipe, tools, etc.; greenhouses fully stocked and in full running order; store down town sells plants and flowers all the time; will sell whole place with dwellings, barns, etc., or will sell just greenhouses and land they occupy; whole place is 8½ acres. Owner has other business to attend to. Write for particulars.
 Key 216, care American Florist.

Wanted—A widow of 30 wishes to correspond with a good florist.
 Key 222, care American Florist.

Wanted—Florist, gardener, to invest \$500.00 and manage 5,000 feet of glass with truck farm attached.
 JOHN GIRD, 2804 E. Washington,
 Indianapolis Ind.

Wanted—An expert to grow vegetables for exhibition purposes only. Hot beds and outdoor work. Wages \$125.00 per month and room. Only first class man with a record need apply. Address
 Key 228, care American Florist, Chicago.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

SALESMAN WANTED.

Must be of good habits and one whose record will stand thorough investigation. Give details where you have worked so we can look you up. Prefer a young man who has worked in cities of moderate size in the Central States. State salary desired and apply to

THE PARK FLORAL CO.,

J. A. Valentine President. DENVER, COLO.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid

Announcement

TO THE RETAIL TRADE

My Entire Cut of Carnations

from 100,000 plants will be on sale every morning at

M. C. FORD'S, 121 West 28th St., New York City

My wagon arrives daily at 7:30 a. m.

H. HESSION

Carnation Grower, Flatbush, Brooklyn, N. Y.

Indianapolis.

Trade has been exceptionally good during the past week and is getting better every day. The large chrysanthemums are irresistible and many are sold singly to those who cannot pass the window without putting one on their coats. Carnations are of good quality now, so that the regular carnation buyers are again getting into line.

NOTES

Because the retail stores have not been doing their share in maintaining the various greenhouses scattered around the outskirts of the city, a number of the growers are endeavoring to band themselves together under a "Growers' Floral Commission" for the purpose of starting a combination retail and wholesale florist store. It is expected that a working capital of \$5,000 will be raised within the next week or ten days, and that in two weeks' time the enterprise be launched in a \$5,000 a year store on West Washington street or Indiana avenue. It is designed that the different members of the stock company have booths in this store where their floral produce be kept on exhibition and for sale. One manager or salesman is to look after all of their interests and to sell from the different booths according to which line of stock suits the public fancy. When a sale is made the manager is to credit same to the member from whose booth the flowers were taken. The retail price of flowers is going to be cut as close as is consistent with reason and the wholesale price is to be just twenty-five per cent below the retail price. This is something that Indianapolis has been needing, said one of the promoters last Saturday. "Why, Indianapolis has room for twenty-five more florist stores."

Herman Junge is now in his glory. He is head advertising man for the coming chrysanthemum show and is putting all of his well seasoned ideas in practice. The way he has been getting subscriptions, too, is almost to be compared with getting blood out of stones. A novel way of advertising the show will be shown when a number of dogs in the city appear with dog blankets bearing the simple inscription "Chrysanthemum Show, Tomlinson Hall, Nov. 8-12." These dog blankets may be used throughout the coming winter by simply turning them wrong side out or right side out, for there is really no wrong or right side except that one side bears the above inscription. A. W. B.

The manner of styling one's place So and So's Flowers is becoming quite popular since the ovation made by Brandt's Flowers. The last to fall in line was Benson, who gives "the earth with every plant." He now has on his wagon just below the large picture of the globe "Benson's Flowers." Mrs. Benson probably is wishing that the fact that she works in the store and sometimes carries home the day's receipts was not so publicly known, for it was only a matter of a few days ago that a colored gentleman, after overpowering her right in front of their own house, relieved her of a quantity of coin.

The gardener florists, and those who stand in the market and retail flowers, contributed to a purse for the purpose of placing an advertisement in the Indianapolis News to the effect that they would hold a grand chrysanthemum opening October 22. This step was taken because of the recent lack of business all through the city. The retailers have not been buying the customary amount of stock from these growers, thus leaving a large surplus on their hands. This surplus was to

be sold through the up-to-date method of advertising.

A number of the members of the State Florists' Association will make a trip to Richmond on November 2 for the purpose of seeing what the Richmond growers are doing. All of the florists in the city are invited to join the party. Adolph Bauer will give particulars to any who telephone to him in regard to this.

John Bertermann has now put his automobile in his curiosity collection, showing it to friends as the vehicle of former days. He is at present using his horse again and cannot quite make up his mind whether to sell the auto or to keep it for memory's sake.

A very needed improvement is being made in the Tomlinson Hall flower market. A neat wrapping counter, equipped with plenty of wax and manila wrapping paper and sea-green cord, is being supplied with every stand.

Young Wm. Glaubke is somewhat of a tobacco fancier and is growing some on their garden plot. A sample of this homegrown, smoked in a pipe, was the cause of a certain downtown florist's remaining home one afternoon last week.

Wiegands' have some more automobile fever and have now contracted for an Overland delivery wagon. Another new thing at Wiegands' is the uniform habit. Every attache of the place will soon be fitted out in green and gold.

Frank Saal has left the employ of John Rieman and has gone west to accept a position with a moving picture show. Ed. Schilling has taken his place with Rieman.

SAGINAW, MICH.—Charles Frueh & Son are erecting a greenhouse building, 30x142 feet, and a new smoke stack 80 feet high.

AUTUMN NUMBER

TO BE ISSUED

November 10,

JUST RIGHT FOR THE

Thanksgiving and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.


Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

324 Dearborn St., CHICAGO.

 Please mail advertisements early.

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St.,

CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.	Richmond, special		Per 100	Chrysanthemums, Halliday, yellow; Robin-	
Extra long specials.....		\$3 00	Long.....		\$10 00	son, Tousey Virginia Poehlman, white;	
36 inch.....		2 50	Medium.....		8 00	Rosiere pink—per doz., best \$2 50 to \$3 00;	
24 to 30 inch.....		2 00	Short.....		6 00	medium, \$1.50 to \$2.00. Pompons, 50c bunch	
15 to 18 inch.....		1 50	My Maryland, special.....		\$3 00 to 4 00	Orchids, Cattleyas.....	\$5 00 to \$6 10
12-inch.....		1 00	Long.....		10 00		Per 100
Shorter...per 100, \$4 00, \$6 00			Medium.....		8 00	Harrisii Lilies.....	\$12 00
Killarney, special		Per 100	Short.....		3 00 to 4 00	Valley.....	3 00 to 4 00
Long.....		\$10 00	White Killarney, special.....		10 00	Violets.....	75
Medium.....		8 00	Long.....		8 00	Plumous Sprays, Sprenger.....	2 00 to 00
Short.....		3 00 to 4 00	Medium.....		6 00	Plumous Strings, extra long,	
Cardinal, special		Per 100	Short.....		3 00 to 4 00	per string 60c	
Long.....		10 00	Perle, medium.....		4 00 to 6 00	Smilax per dozen, \$1 50 to \$2 00	
Medium.....		8 00	Short.....		2 00 to 3 00	Galax.....	per 1000, 1 00
Short.....		3 00 to 4 00	Carnations, fancy.....		3 00 to 4 00	Ferns, fine, new.....	1 50
			common.....		1 50 to 2 00	Boxwood.....	per bunch, 35

SUBJECT TO CHANGE WITHOUT NOTICE.

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Chicago.

MORE SEASONABLE WEATHER.

The weather took a decided change for the better the first part of this week and was immediately reflected in the countenances of all the dealers. Friday and Saturday of last week saw the worst slump that the market has seen this fall. The weather had been exceedingly warm all the week and the stock came rushing in with but few buyers and Saturday nearly all kinds of stock could be secured at the buyer's offer, and many of the retailers took advantage of the low prices to make elaborate displays in their stores. But Monday the market took on a much better tone and at the writing has nearly reached a normal condition. Chrysanthemums in all grades are very plentiful and large quantities of magnificent blooms in numberless variety are being received at all the stores, and a large variety of pompons in both white and yellow are to be seen everywhere. The cut in roses with most of the growers is considerably less than has been the rule for the last few weeks, but the quality is of the best and with trade in the condition that it is, there is plenty of all kinds and grades to fill all the orders. American Beauty and the Killarneys are in elegant shape and Richmonds that are superb are offered by all the growers. Carnations are coming more plentiful every day and the poorer grades are moving slowly. Violets are finding hardly any market for they are not yet at their best and with so many other good flowers selling so cheap are not looked at by the consumers. Lilies and lily of the valley are not over-plentiful and the finest grades are meeting with good demand at fair prices. Orchids are in a little over-supply and some low price sales are reported. Cosmos is still a staple article at some of the stores and a few dahlias are still finding their way to the market. Greens are in a little better demand, the high colored autumn foliage is about done and the beautiful greens can be obtained in large quantities, and are finding a better market.

CHICAGO FLORISTS' CLUB.

There was an enthusiastic and large-ly attended special meeting of the Florists' Club at the Union Restaurant October 20 for the promotion of flower show business. Manager Asmus reported that the plans for the

show were progressing very satisfactorily, with every prospect of a record-breaking display. Several new members were enrolled and a number of others proposed for membership. Alex. Henderson was appointed chairman of the flower show refreshment committee. Chairman Kohlbrand reported for the banquet committee and it was decided that the banquet would be held at the La Salle Hotel November 10 at 6:30 p. m. The committee is making arrangements for a fine entertainment to be given in connection with the banquet and it is hoped members and guests will bring their ladies. Vaughan's Seed Store exhibited a large vase of fine dahlias. Elmer D. Smith & Co., Adrian, Mich., exhibited a grand vase of chrysanthemum Chrysolora, which was awarded the club's certificate, scoring the following points: Color, 19; form, 14; fullness, 9; stem, 14; foliage, 14; substance, 14; size, 9; total, 93. Anton Then showed his new red seedling carnation, a cross of Mrs. Nelson and White Lawson. This also received the club's certificate, scoring as follows: Color, 20; size, 18; calyx, 4; stem, 20; substance, 9; form, 12; fragrance, 4; total 87 points.

GRAND FLOWER SHOW BALL.

Chairman Yarnall of the bowling team reported at the last meeting of the Florists' Club that a ball had been suggested for flower show week and it has been decided that this will be given at the Coliseum Annex Friday night, November 11, the bowling team to have full charge of the arrangements.

AN INVITATION.

All Flower Show and other visitors are cordially invited to make Vaughan's Seed Store their headquarters for writing or receiving letters or telegrams, and are also urged to arrange to visit that firm's greenhouses and nurseries near this city.

NOTES.

The Chicago Carnation Co. is receiving large quantities of all the varieties of carnations as well as roses, violets and sweet peas. At the store this week on exhibition are five new seedlings, one of which a cross of Victory and Andrew Carnegie is very promising, producing flowers from 3½ to 4½ inches in diameter, of as bright a color as Victory, and will produce twice as many flowers to the plant in

a season. They have 150 exceptionally good seedlings on trial at the houses. This concern is very desirous that everybody should see the new carnation Washington at the houses at Joliet, offering free transportation to any one who will make the trip. A new telephone, Central 3373, was installed this week.

Bassett & Washburn are cutting magnificent blooms of chrysanthemums measuring eight to ten inches in diameter, some of which they were in hopes to have for the show, but their varieties have all shown a tendency to be a little early this year. Their roses and other stock are in prime condition. Mr. Washburn reports the first frost at Hinsdale on October 22 this year, the latest date for the first low temperature of that point in twenty years.

The weather for the last month has been very propitious for the shipping of the numerous orders received by the George Wittbold Co., for the excellent stock which they are sending out. The call for Boston ferns has been large and the superb stock which they are handling is giving great satisfaction, the 6-inch pot sizes being very popular with all the buyers. The demand for herbaceous perennials and nursery stock at the nursery at Edgebrook has been exceptionally large this fall.

Charles W. McKellar is receiving some very handsome orchids and in great variety. This week some Cattleya Trianae were received as well as Dendrobium Phalenopsis, D. Formosum, Vanda Caerulea, Oncidium Tigrinum, making a fine assortment for elaborate work. Mr. McKellar with his wife and party of friends enjoyed an automobile trip of 400 miles into the southern part of the state on Sunday and Monday of this week.

Poehlmann Bros. Co. is receiving a good supply of all the seasonable flowers. The chrysanthemums are in grand shape and magnificent blooms of all the leading varieties are to be seen here. Robert Halliday is elegant; Mrs. Henry Robinson and Miss Virginia Poehlmann are grand. Roses are in beautiful condition and carnations are fine. Lilies and lily of the valley are of high grade and in good demand.

E. F. Winterson Co. have an extra fine line of lilies just now, and cattleyas are constantly received. The chrysanthemums are of the finest

Chrysanthemums

**Beauties, Roses,
Fancy Carnations,
Sweet Peas, Greens**

—PRICE LIST—

AM. BEAUTIES, Per doz.
36 in. and over..... \$3 00
24 to 30 in..... \$2 00 to 2 50
18 in..... 1 50
12 to 15 in..... 1 00
Shortstems. per 100, 4 00 to 6 00

HARRISH LILIESper doz., 1 50
"per 100, 12 00

FANCY CARNATIONS, Per 100
White, Pink and Red.. \$2 00 to \$3 00

**Maryland, Richmond, Killarney,
White Killarney, Kaiserin.**
Per 100
Good lengths..... \$6 00
Medium lengths..... 4 00
Good short lengths..... \$2 00 to 3 00
Extra select Kaiserin
and Reid 8 00
ROSES, our selection... 2 00
White, Yellow and Pink 'Mums,
per doz..... \$1 50 to 3 00

Per 100
Sweet Peas..... \$1 00
Lily of the Valley..... 3 00 4 00
Asparagus.....per string, 60
" Sprays. per 100, \$3 00 to 4 00
Sprengerlper 100, 2 00 to 3 00
Fernsper 1000, 1 50
Smilaxper doz., 1 50
Adiantumper 100, 1 00
Galax, greenper 1000, 1 00
" bronzeper 1000, 1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

grade and those received from the Mount Greenwood greenhouses are as handsome as any on the market. A large shipment of elegant boxwood was received this week and also a number of cases of fine plants of Biota Aurea Nana.

E. C. Amling Co. has a splendid assortment of elegant stock of all the seasonable flowers. The American Beauty and Killarney roses are of an excellent grade and some especially fine lily of the valley is always to be obtained. Chrysanthemums are in abundant quantity and of excellent quality and carnations of all the leading varieties are daily received.

Hoerber Bros. are now receiving a high grade of stock, both of roses and carnations, from their range at Des Plaines. The carnations are of extra fine grade and the stock is coming in much more abundantly and the quality improving with every shipment. Harry Manheim, the manager at the store reports business as improving very rapidly.

Weiland & Risch are cutting a very fine grade of both white and pink Killarney and Bride roses, that are finding a ready sale. The carnations are of excellent quality and a fine grade of commercial chrysanthemums are being daily received. Even with the unseasonable weather business is very good and a market is found for all the large quantity of stock received.

J. A. Budlong is making heavy shipments of the elegant flowers to many far southern points, such as New Orleans, La.; Fort Worth, Dallas, Galveston and San Antonio Tex. The reports from their customers are that the stock is arriving in fine condition, which is a great testimonial of the high grade of stock being produced at the greenhouse.

The J. B. Deamud Co. is receiving some very fancy grades of chrysanthemums and fine commercial blooms of all the leading varieties. Roses, carnations and sweet peas are very good and an exceptionally fine stock of all florists' green are always on hand. Some very handsome dahlias are still being offered at this store.

E. H. Hunt is offering this week a large quantity of high grade stock of chrysanthemums, roses, carnations and all seasonable stock. A large shipment of southern smilax was received this week of excellent quality. The demand for supplies of all kinds is excellent and the outlook in this department is one of the best.

The chrysanthemums at Kyle & Foerster's are very handsome, some extra fine Mrs. Henry Robinson and Major Bonnafon, the first of this variety seen in the market were noted. A very fine grade of single violets from

ment of southern smilax was received this week of excellent quality. The demand for supplies of all kinds is excellent and the outlook in this department is one of the best.

The chrysanthemums at Kyle & Foerster's are very handsome, some extra fine Mrs. Henry Robinson and Major Bonnafon, the first of this variety seen in the market were noted. A very fine grade of single violets from

Chicago's Great Fall Flower Show

TO BE HELD AT

The Coliseum

Nov. 8-12 Inclusive

For Copies of Premium List, Address
J. H. BURDETT,
45 Wabash Avenue,
Telephone, Central 6004,
CHICAGO.

GEO. ASMUS, Manager,
45 Wabash Avenue,
Telephone, Central 6004,
CHICAGO.

WE ARE NOW CUTTING
A BANNER CROP OF RICHMOND

And all other Leading Varieties of ROSES.
An Excellent Grade of Carnations of an Exceptional Good Quality
Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,	Per doz.
Long stems	\$3 00 to \$4 00
30-inch stems	2 50
24-inch stems	2 00
20-inch stems	1 50
15-inch stems	1 25
12 inch stems	1 00
Short stems	\$4 00 to \$6 00 per 100
Richmond, select	Per 100 \$8 00
medium	\$4 00 to 6 00

	Per 100
Killarney, select	\$8 00
medium	\$4 00 to 6 00
Mrs. Marshall Field, select	8 00
medium	4 00 to 6 00
Peric	4 00 to 6 00
Bride select	8 00
medium	4 00 to 6 00
My Maryland, select	8 00
medium	4 00 to 6 00

	Per 100
Ivory, select	\$6 00
medium	4 00 to 5 00
Carnations	\$1 50 to 2 50
Valley	3 00 to 4 00
Easter Lilies	per doz., 1 50 to 2 00
Asparagus Plumosus,	
extra quality	per bunch, 50
Fancy Ferns	per 1000, 1 50

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

the home market is being received. The roses are excellent and American Beauty is of very high grade.

Wietor Bros. are cutting heavily of all the leading varieties of chrysanthemums and elegant blooms of George S. Kalb. Mdle. Clementine Touset and Miss Virginia Poehlmann are to be seen at the store. The roses are of their usual good quality with Killarney, both white and pink, showing up remarkably well.

Robert Rahaley of the Michigan Cut Flower Exchange and Albert Pochelon of the L. Bomb Floral Co., of Detroit, Mich., witnessed the Cub-Athletic ball game on October 20, returning home the same evening. P. Olson and Harry Micholson of the Chicago Carnation Co., Joliet, were also in the city for the same purpose.

The quality of the stock at Zeck & Mann's is of exceptionally good grade. In roses, Richmond and Killarney are extra fine, and the chrysanthemums especially. Monrovia are especially good. An extra fine grade of sweet peas are eagerly sought by the buyers and disposed of at an early hour.

Vaughan & Sperry are offering an extra good grade of carnations. The blooms are superb and the stems are extra long. Some extra fine white Lawson Enchantress and white Enchantress were noted. Their American Beauties are of extra quality, of fine color and on extra long stems.

A. L. Randall Co. is in receipt of large quantities of everything in season. Chrysanthemums in all colors, roses of the different varieties and grades and carnations of all the leading kinds. A large demand for the Evergreen brand of fertilizer is reported.

H. Van Gelder of Percy Jones, is receiving large quantities of chrysanthemums of exceptionally good quality. Robert Halliday and Mdle. Clementine Touset are among the leaders, the flowers being extra large and the stem and foliage all that can be desired.

E. E. Pieser, of Kennicott Bros. Co., underwent an operation upon the index finger of the right hand October 22, as a result of blood poison. This firm is now offering large quantities



ORCHIDS
A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidium** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

of chrysanthemums and all other leading varieties of flowers.

The dance given by the Wholesale Florists' Employees on the evening of October 25 at Columbia Hall was a grand success and a most enjoyable occasion to all who participated. The grand march was led by Charles Zopfe and Miss Holmes.

The Richmond roses that the Peter Reinberg houses are sending out into the store are really magnificent, fine long stems with beautiful foliage and long buds of the deepest crimson and in quantities to fill any order that may be received.

Frank Krall, 1907 Halsted street, reports business as brisk, with plenty of funeral and wedding work. Mr. Krall's little son has been very sick for some time but at the present writing his condition is improving.

H. C. Rowe, 42 Monroe street, is enjoying a very busy season. A Chris-

tianson of this establishment last week decorated the Powers residence on Macalister place, where a quiet home wedding took place.

The roses that are being sent in from George Reinberg's house are of a very high grade. They are especially strong on Killarney and American Beauty, some exceedingly handsome specimens being noted.

Wm. Sgoror of the Madison Floral Co., corner of Madison and Clark streets, is enjoying an exceptionally good business, the many weddings and funerals demanding his attention.

The new propagating plant of the South Park system at Marquette Park will be heated by two Kroeschell boilers which will be installed by the Kroeschell Bros. Co.

John Krutchten is receiving an extra fine grade of chrysanthemums, among which Early Snow is of excep-

HIGH GRADE CUT FLOWERS

'Mums, Roses, Carnations

And All Other Seasonable Stock

We are now receiving an especially excellent grade of
Bride. Richmond, White and Pink Killarney, and American Beauty Roses.
Our Carnations are arriving in splendid condition, and
are bound to give satisfaction.

A Trial Order Will Convince You

that our stock is of A1 quality and as good as can be found in the market. Send in
your trial order now and become one of our satisfied customers.

We Are Now Booking Orders for All Saint's Day.

No order too large

No order too Small

No Charge for Packing and Delivering.

Hoerber Bros.,

Telephone Randolph 2758
Greenhouses, Des Plaines, Ill.
Store, 51 Wabash Avenue,

Chicago

tionally good quality, and plenty of all other seasonable stock.

Miss M. C. Gunterberg of the Flower Growers' Market is now offering an excellent grade of American Beauty roses, orchids and violets, in addition to all other flowers of the season.

Joseph Mendel, West Eighteenth street, democratic nominee for county commissioner, is looking forward to the support of his brother florists for the coming election November 8.

The Chicago Rose Co. is this week offering an excellent grade of chrysanthemums, roses and carnations, the latter being of exceptionally good quality.

Dominick E. Freres of the Flower Growers' Market is this week offering an excellent grade of Mrs. Jardine and Kaiserin Augusta Victoria roses.

The Lawndale Floral Co., 3212 West Twenty-second street, report business as brisk, with plenty of funeral, wedding and landscape work.

O. Johnson of the Flower Growers' Market is this week offering a large quantity of chrysanthemums and all other varieties of flowers.

John Byers, formerly of Kennicott Bros. Co., accepted a position with E. C. Amling Co., and entered upon his duties October 18.

Funeral and wedding work is keeping T. F. Keenan exceedingly busy at his store, 1306 East Sixty-third street.

F. Fuhrmann, 3164 North Clark street, is exceedingly busy with funeral and wedding work.

VISITORS: Roy Wilcox and wife, Council Bluffs, Ia.; Swan Peterson, Gibson City; Gustav Fredrickson, St. Joseph, Mich.; Robert Raheley of the Michigan Cut Flower Exchange, and Albert Pochelon of the L. Bomb Floral Co., Detroit, Mich.; Ed. Amerpohl, Janesville, Wis.; — Shotwell, Fargo, N. D.; August Swanson, St. Paul, Minn.; George Tromej, Cincinnati, O.

WEILAND & RISCH

WHOLESALE
GROWERS AND SHIPPERS

SHIPMENTS EVERYWHERE

CUT FLOWERS

IMMEDIATE DELIVERIES

59 WABASH AVE.
CHICAGO

PHONE CENTRAL 879

CURRENT PRICE LIST:

BEAUTIES,	Per doz.			Per 100
Special		\$4 00		75
Long		\$2 50 to 3 00		15 00
Medium		1 50 to 2 00		
Short		75 to 1 25		
	Per 100			
Killarney, { Special		\$10 00		
White Killarney, { Fancy		\$6 00 to 8 00		
My Maryland, { Medium		4 00 to 5 00		
Richmond, { Short		2 00 to 3 00		
Carnations, select		2 00 to \$3 00		
common		1 50		
Chrysanthemums, fancy		1 50 to 2 50		
medium		1 50 to 2 00		
Violets				Per 100 75
Lilies,				15 00
Valley,				\$.3 00 to 4 00
Adiantum				75 to 1 00
Leucothoe Sprays				75
Asparagus Plumosus, 60c to 75c per string, 35c to 50c per bunch,				
Sprengerl, 25c to 50c per bunch,				
Smilax,		\$1 50 per doz		\$12 00 per 100
Mexican Ivy		\$6 50 per 1000.		75c per 00
Ferns		\$1 75 per 1000		20c per 100
Galax		\$1 25 per 1000.		15c per 100

Subject to Market Changes.

Washington.

Henry Pfister, who, with his wife, made an eighty-day tour of Europe, the past summer, is home again. He says he was greatly pleased, particularly with the azalea farms of Belgium and the rose fields of France.

In his new location on P street N. W., near Dupont Circle, John Robertson has settled down to business and is much pleased with the outlook.

The Washington Florist Co. is making fine window displays in table decorations.

Z. D. Blackistone, in addition to special features in cut flowers, has recently had a very successful sale of peony roots, handling only the best varieties.

Geo. C. Shaffer has recently made great changes in his store, decorations being the leading features.

W. W. Kimmel is about to start work on a conservatory in the rear of his store.

We are now
Cutting an
Excellent
Grade of

Chrysanthemums

WHITE
YELLOW
PINK

AND PLENTY OF ALL OTHER SEASONABLE STOCK.

PRICE LIST

American Beauties—	Per doz.
36 inch stems	\$3.00
30 inch stems	2.50
24 inch stems	2.00
20 inch stems	1.50
12 inch stems	1.00
Short .....	.75
Killarney, fancy	Per 100 \$6.10
short and medium	\$3.00 to 4.00
Brides and Maids, fancy	6.00

	Per 100
Brides and Maids, short and med.	\$3.00 to \$4.00
Richmond, fancy	3.00 to 4.10
short and medium	3.00 to 4.10
Mrs. Jardine, fancy	6.00
short and medium	3.00 to 4.00
White Killarney	3.00 to 6.00
Uncle John fancy	6.00
short and medium	3.00 to 4.00
Kaiserlin, fancy	6.00
short and medium	3.00 to 4.00

	Per 100
ROSES, our selection	\$3.00
Carnations	\$1.00 to 2.50
Chrysanthemums, doz. \$1.50 to \$3.00	
Easter Lilies	1.50 to 2.00
Valley	3.00 to 4.00
Asparagus Plumosus	
extra quality, per bunch .....	.75
All other stock at lowest market rates.	
Prices subject to change without notice.	
No charge for packing.	

ROSES, Our Selection, \$3.00 per 100

Buy direct of the Growers

L. D. Phone Randolph 2081

WIETOR BROS., 51 Wabash Ave., Chicago.

Chicago Bowling.

In addition to the several prizes which have been donated, the Florist Bowling League have offered the following cash prizes: Team prizes, first, \$25; second, \$15; third, \$10; fourth, \$5. Individual prizes: First, \$12; second, \$10; third, \$8; fourth, \$7; fifth, \$6; sixth, \$5; seventh, \$4; eighth, \$3; ninth, \$2, and tenth, \$1. Highest individual score, \$5; high average three games, \$5; high team, three games, \$5; high team score, \$5.

The Carnations and Orchids are tied for first place, each team has won eight and lost four games; the Violets are in third position, having both won and lost six. The Roses still remain fourth, with but two victories in the twelve games played. The following table shows the individual and team scores for games played October 19:

Roses.	Orchids.
Wolf	Huebner
Johnson	Farley
Byers	Graf
Kruchten	Degnan
Fischer	Zech

Totals	Totals
710 771 757	707 769 762
Carnations.	Violets.
Ayers	Winter
Krauss	Lieber
Winter	Laydy
Schultz	Lorman
A. Zech	Yarnall

The following table shows the individual averages for games played this season:

Yarnall	Huebner
A. Zech	Johnson
L. Vaughan	Graf
J. Zech	Schultz
Fisher	Byers
Farley	Lorman
Ayers	Kruchten
Posternick	Vogel
E. Winter	Krauss
Liebermann	Goerisch
Wolf	Schiller
Degnan	L. Winter

St. Louis.

The first of the week the warm weather had a depressing effect on trade, but Thursday there came a great change. The wholesale houses are well stocked with all kinds of flowers. Chrysanthemums, roses, lilies, carnations and violets will, if the cool spell continues, improve. The Gov. Herrick variety of violets is now coming in and its keeping qualities are the best.

NOTES

The planting of the new Divoll branch of the Public Library at Eleventh and Farrar street was awarded to the Montrose Nursery, under the supervision of Mr. Drummond.

The Horticultural Society held a meeting last week. Very pretty show bills are now out advertising the show. There will be a fruit show in connection with the flower show.

We regret to announce the death of Frank Bucksart, father of Frank Bucksart, Jr., well known among the florists

TELEPHONE CENTRAL 3373

Chicago Carnation Co.

WHOLESALE FLORISTS, 35-37 RANDOLPH ST.,

CHICAGO

GIVE US YOUR ORDER

Current Price List

Beauties, Special	per doz.	\$4.00
Long	\$2.50 to 3.00	
Medium	\$2.50 to 3.00	
Short .....	.75 to 1.25	
Killarney, White Killarney, My Maryland, Richmond, } Special	\$10.00	
	Fancy	\$6.00 to 8.00
	Medium	4.00 to 5.00
	Short	2.00 to 3.00

Carnations, extra long fancy	Per 100
Select	\$3.00
Good	2.50
Mums, fancy	1.50 to 2.00
Mums, medium	2.50 to 3.00
Violets	1.50 to 2.00
Lilies .....	.75 to 1.00
Valley	15.00
	3.00 to 4.00

All Greens and other stock at market rates. Subject to market changes.

We Have a Full Line of Everything in Cut Flowers

as a designer and decorator. He was buried Monday.

Alex Siegel is preparing to open his branch store November 1 at Schaper Bros. department store.

Otto Sander is making very pretty displays in his show windows, making a specialty of \$1 boxes.

C. A. Kuehn, although improved, has not yet been able to get down to the office.

Fred Ude is bringing in some good carnations and his violets are improving.

H. G. Berning is the first wholesaler to sport an automobile.

John Steidle is now sending in some good carnations.

W. F.

Cleveland.

The past week has been unusually warm for this time of the year, one of the warmest Octobers in nearly 40 years, almost breaking the record, and stock has piled in from every grower until it was a problem where to place the same. Dahlias are still in full crop and such a glut as it is. Chrysanthemums, too, came in such numbers as to be a proposition to handle them. The warm weather had a bad effect upon business also, but one good frost, however, will do away with the outside stock and business will settle down to a firmer basis. Cosmos and greens of all kinds are very plentiful. Roses and carnations are arriving in vast quantities and the stock is exceptionally good for this season of the year. American Beauties and Killarney being favorites. Lily of the Valley and orchids are moving a little slow.

NOTES.

The Cleveland Florists' Exchange has been incorporated with a capital stock of \$15,000, the officers being Geo. W. Smith, president and treasurer; W. A. Heideman, vice-president; Chas. F. Bastian, secretary. All the stockholders and directors are employees of the firm, the idea being to make the interests of the employees worthy of consideration and thereby benefiting the customers and consignors, as the more interest shown will bring the desired increased results. Geo. W. Smith, the founder of the business, will remain in active management and control. All wish the new firm continued welfare and success.

Mr. Wheadon is back in Cleveland, and is now manager of the Taylor Flower Shop, Mr. Schoen having returned to the Gasser Co. C. F. B.

Atlanta, Ga.

As the weather gets cooler cut flowers are coming in good. Dahlias are at their best now. The past week was Horse Show week and a lot of choice cut flowers were used for personal adornment and table decorations. All the stores had their share of the different decorations and the Dahl's Co. had a very pretty window decoration for the occasion. Chrysanthemums in white, pink and yellow are the leaders at present, and fine flowers are to be had. Violets are coming in, but light in shade and short in stem.

West View has completed the remodeling of their store and the new refrigerator is a beauty. G. L.

Heavy Supply 'MUMS' Good Quality

PINK - WHITE - YELLOW

Try our White and Yellow Touset. They are sure to give satisfaction.

Send us your orders and get the BEST TO BE HAD.

We are also Strong on Roses

Beauties, Richmond, Maryland, Jardine, Kaiserin, Pink Killarney, White Killarney, Bridesmaid, Bride, Mrs. Marshall Field.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

All Saints' Day
Orders Now
Being Booked.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

Cincinnati.

MARKET OVERSTOCKED.

The warm weather of the past week brought flowers along in a rush and it was an utter impossibility to unload one-half of those received in the wholesale houses. The greatest glut was in white chrysanthemums and white roses, and carnations also were in over-supply. Having had no killing frosts to date, cosmos and dahlias are still with us and help to clog up the already overstocked market. Lilies of the valley are exceptionally fine and meet with a fair demand, and we must admit that Liliun Longiflorum were never better. Violets both single and double are to be had but there is very little call for these. Green goods of all descriptions are very active, with not enough Asparagus Plumosus to meet the demand. At this writing, October 24, receipts are still heavy and business is quiet.

NOTES.

George Tromeay of Tromeay's Flower Shop, could not resist the temptation of seeing the Athletics and Cubs play ball, and so journeyed to Chicago to satisfy his curiosity. He saw the game played October 20 and came right back, stating that the Cubs were entirely outclassed.

Albert McCullough, president of the J. W. McCullough's Sons Co., leaves for Florida November 1 on his annual fishing and hunting trip. He will have several friends from this city accompany him and will be gone about a month.

Joe Sonnenberg of the Hyde Park Rose Co., is about the happiest florist in these parts. It is a boy, weighs eleven pounds, and mother and son doing well. Congratulations, Joe.

At the next monthly meeting of the Cincinnati Florists' Society the sub-

ject of holding a flower show will be discussed and all those interested are requested to attend.

F. C. Herms and wife of the Herms Floral Co., Portsmouth, celebrated their golden wedding on October 3 at their bungalow on the Scioto river.

The Bowling Club will get together again November 7 at Finke & Craig's alleys. If you want to spend an enjoyable evening come and join us.

Charley Hoffmeister was elected commander at the recent election of the Harding First Voters' Club.

We are glad to report that Lou Kyrk who has been on the sick list, is convalescent.

Visitors: Ben Esmeier of M. Rice & Co.; — Jackson of American Rose Co., Springfield, O.

Toronto.

BUSINESS INCREASING.

Business continues to show a steady increase as the season advances and is decidedly better than a year ago. The weather continues fine, and in this locality no frost has as yet done any damage. Outdoor flowers continue to arrive in good shape, and the dahlia specialists are cutting heavily of very fine stock. American Beauty is the only variety of roses which is scarce, but this variety from its unprofitable productiveness in this vicinity has been discarded by so many growers that the situation will be a poor one all season unless we depend on imported stock. Richmond and the two Killarneys are fine. Queen and Bride are both plentiful and a few Mrs. Jardine make up the bulk of the roses. Chrysanthemums are both plentiful and good, many of the varieties being up to show standard and good business keeps them going nicely. Carnations are improving in quality and are plentiful enough to fill all orders. Orchids, lily of the valley and violets are abundant.

ifful enough to fill all orders. Orchids, lily of the valley and violets are abundant.

NOTES.

The Gardeners' and Florists' Club held a well attended meeting at St. George's Hall October 18. The restrictions placed on greenhouses are such that they are ridiculous, and a committee was appointed to interview the city architect. Messrs. King, Dunlop, Chambers, McVittie and Adams were chosen to point out that the ruling that sash bars had to be composed of two by four lumber and that uprights not more than 18 inches apart is absurd. These and other similar points will make the meeting interesting.

The most recent outlet here for cull flowers is at Knox's five and ten cent stores, where no article of more than 15 cents in value is sold. Roses three for 10 cents, violets 15 cents per bunch and chrysanthemums five cents each are some of the alluring attractions.

Thomas Downing, manager of the Georgetown Floral Co., was a visitor who is well satisfied with the outlook for the season. Stock is in fine shape and cleans up nicely. A large wedding where chrysanthemums featured kept him busy October 20.

Albert Houle is in the hospital suffering from coal gas poisoning. The doctor reports that he will be out again in a few days.

J. J. Higgins, formerly with J. S. Simmons, has opened a store on Yonge street, near Gould.

Visitors: W. Dykes, of Ed Jansen's, New York; S. Dillhoff, of Schloss Bros., New York; William Atkinson and daughter, of Fisher, Son & Libray, Royal Nurseries, Handsworth, Sheffield, Eng.

H. G. D.

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable stock, such as 'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST

American Beauty		Per doz.	Killarney, fancy.....		Per 100	Gladioli, named varieties.....		Per 100
Long stem.....		\$3 00	select.....		\$8 00 to \$10 00	in mixture.....		\$4 00 to \$6 00
30 inch stems.....		2 50	medium.....		4 00 to 5 00	Carnations,.....		1 50 to 2 00
24 inch stems.....		2 00	Bridesmaid,.....		4 00 to 5 00	Valley,.....		3 00 to 4 00
20 inch stems.....		1 50	Bride, fancy.....		8 00 to 10 00	Easter Lilies.....		12 00 to 15 00
15 inch stems.....		1 25	medium.....		4 00 to 5 00	Sprengerli, per bunch.....		25c to 35c
12 inch stems.....		1 00	My Maryland, select.....		8 00 to 10 00	Asparagus Plumosus,.....		35c to 50c
Short stems.....		\$4 00 to \$6 00 per 100	medium.....		4 00 to 5 00	extra quality per bunch.....		\$1 50
			Chatenay,.....		5 00	Fancy Ferns, per 1000.....		1 50 to 3 00
Per 100			Ivory.....		5 00	Chrysanthemums.....		per doz. 5 00
Richmond, fancy.....		\$8 00 to \$10 00	ROSES, our selection.....		3 00	Wild Smilax.....		per case. 5 00
select.....		6 00	CATTLEYA LABIATA, per doz.....		\$6 00	Violets.....		.50 to 1 00
medium.....		4 00 to 5 00						

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

San Francisco.

Business for the last few days has not been up to the standard, but this is partly due to the fact that we had our first heavy rains here, which, of course, interfered somewhat with shopping. However, the weather is now beginning to show signs of clearing, and better conditions can be expected. With the exception of chrysanthemums and violets, which are plentiful, other stock is still scarce. Many nice displays of orchids could be seen in the windows of our leading florists last week, but as the demand for them is generally good, they were rapidly disposed of.

The Grand Fall Flower Show will be held at the Fairmont Hotel in this city under the auspices of the Pacific Coast Horticultural Society and California State Floral Society, October 20-22. V. Matraia, who as president of the Pacific Coast Horticultural Society, will be manager of the show, has selected the following committee to act with him: The Misses Hannon, Williams, Branin, Vaughan, Mrs. Sachau, Mme. Roeckel-Davis, J. W. Bagge, H. Plath, W. Kettlewell, J. R. Atkinson, A. Rossi, J. H. Carbone, F. Schlotzhauer and C. Abraham. From the present indications this show will be one of the finest, if not the very best, that has ever been held in San Francisco. Both Mr. Matraia and H. Plath, who is the assistant manager of the show, have been untiring in their efforts to make this affair a complete success. Many valuable prizes have been obtained, and the competition for them will be keen.

The Pacific Coast Horticultural Society held a jinks at their club rooms last Saturday evening, which was largely attended. Before the entertainment many fine plants, ferns and flowers were exhibited. Prominent among the exhibitors were Wm. Kettlewell, who displayed some extra fine dahlias, and H. Plath, who can always be relied upon to show the best varieties of ferns. After the exhibition an interesting entertainment was enjoyed by the members, at the conclusion of which refreshments were served.

"THE BUSIEST HOUSE IN CHICAGO."

IF YOU are not receiving our weekly price list and letter, keeping you in touch with conditions on this market, send us your name and address and we will see that you do.

J. B. DEAMUD CO.,

L. D. Phone Central 3155 51 Wabash Ave., CHICAGO.

Walter K. Louis, traveling representative of the Dayton Paper Novelty Co., was recently in our city. The firm which Mr. Louis represents makes a specialty of florists' boxes, and he reports business all along the line to be in a flourishing condition.

E. Reynolds, formerly connected with the Redondo Floral Co. of Los Angeles, has severed his connections with that concern and is now with the Art Floral Co.

Julius Eppstein opened his store on Geary street, adjoining the St. Francis Hotel, today. His opening display was both artistic and attractive. ARTUS.

Albany, N. Y.

At the last meeting of the show committee of the Albany Florists' Club the names of Major Charles B. Staats, Captain William J. McKown and Captain Albert E. Denison were added to the hall committee. F. A. Danker had on exhibition a model cup to help the members decide upon a suitable design to be chosen as the prize for the best decorated booth at the show, November 10-12. It was decided to order the cup from a local jeweler.

Some display of the cups to be offered for premiums will be made in a few of the stores about the time of the show so that the public will be able to form an idea of what is coming. The subject of securing certificates of merit, entry cards, labels and such supplies was left to Mr. Danker and the secretary. Substantial progress is being made upon the program, which will go to press some time after November 1. One of the features of the decoration will be an electric sign which will be put up outside the Armory. This was left to Patrick Hyde, chairman of the hall committee.

One of the interesting weddings of the season was that which took place at the home of Mr. and Mrs. Louis Menand, Sr., on October 19, when their daughter, Miss Jessie E., became the wife of Frederick J. Doran, of this city. The Menand home was handsomely decorated for the occasion with orchids, American Beauty roses and foliage plants. The Rev. James K. Phillips, pastor of the Bethany Presbyterian church, officiated. Many guests from Albany and places out of town were present. On their return from a wedding trip Mr. and Mrs. Doran will reside in the Menand home-
stead.
R. D.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Mention the American Florist when writing

Percy Jones

60 Wabash Ave., CHICAGO

Buffalo.

Trade is all that can be expected. Flowers are coming in and are very good of quantity and quality. Chrysanthemums are improving each day. Carnations, while not in active demand, are improving daily. Roses are of very fair quality.

NOTES.

All things are centered on the coming flower show, which promises to be a winner. All are striving to make their exhibit a credit to themselves and thereby help floriculture in Buffalo. From the largest to the smallest who expect to make an exhibit, the enthusiasm is the same. All the different committees are doing their best to have things in good shape. The music will be of the best. Reception is in good hands. Finance is composed of the "Get There" crowd. Press are all good talkers. So with that kind of a lot of hustlers the show should be a success. Space is ample and every attention will be given to the exhibit of the out-of-town grower and from inquiries the attendance will be large.

F. C. Brown, who is with S. A. Anderson, will remove to Buffalo this week.

W. A. Adams was down east this week.

Los Angeles, Calif.

The past two weeks have been extremely busy ones with all the retailers, the funerals of the many victims of the terrible disaster to the Times building having called for an enormous number of designs, wreaths and sprays. Besides this the many social functions occasioned by the visit and conven-

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Oct. 26.		
Roses, Beauty, extra select ...	3 50	
" " specials.....	3 00	
" " 36 in 2 50		
" " 30 in 2 00		
" " 18 in 1 50		
" " 15 in 1 25		
" " Short 75¢ 1 00		
Per 100		
" Bride, Bridesmaid, select..	3 00	8 00
" " medium 2 00	2 50	
" Killarney, select.....	3 00	10 00
" " medium and short.....	2 00	2 50
" Kaiserin.....	3 00	10 00
" Mrs. Jardine.....	3 00	10 00
" Chateaux.....	2 00	10 00
" My Maryland.....	2 00	10 00
" Perle.....	2 00	10 00
" Richmond.....	3 00	10 00
" Uncle John.....	3 00	10 00
" White Killarney, select....	4 00	10 00
" " medium 2 00	3 00	
Carnations.....	1 00	3 00
" fancy C. P.....	2 00	4 00
Chrysanthemums...per doz.,	75¢	3 00
Cattleyas.....per doz.,	4 00	6 00
Gardenias.....per doz.,	3 00	4 00
Dendrobium Formosum.....	5 00	6 00
Dahlias.....	1 00	2 00
Gladioli.....	3 00	5 00
Lilium Harrisii...per doz.,	2 00	10 00
Lily of the Valley.....	2 00	4 00
Sweet Peas.....	75¢	1 00
Violets.....	50¢	1 00
Adiantum.....per 100,	75¢	1 50
Asparagus Plum, strings, each,	60¢	75
" sprays.....	3 00	4 00
" Sprengeri.....	3 00	4 00
Boxwood.....	15 00	
Ferns.....per 1000,	1 75	
Leucothoe.....	75	
Mexican Ivy.....	75¢	1 00
Smilax.....	1 50	2 00
Wild Smilax.....per case,	5 00	

tion of the American Bankers' Association have caused a brisk demand for the higher grades of stock. In addition, many of the regular patrons of the retailers, who have been summing in the east and Europe, are returning and flowers for theatre, and street wear, table and house decorations, as well as those called for by transient customers have been in great demand. American Beauty roses, in the long stemmed grades, are far better in color than at the last writing and, though they are much more plentiful, the demand has kept pace with the supply, while the medium and short grades have not been nearly sufficient to meet the demand. Killarney, White Killarney, Richmond, My Maryland, Golden Gate and other teas are improving in color and stem right along and sell well; there has been quite a deficit in the short grades.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., **CHICAGO.**
Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market
60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.
See JOHN SINNER, Manager
Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.
Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our own greens and bring by boat direct: Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S W. cor. Clark St
H. Schuenemann Capt. Bridge, CHICAGO

The heat is proving too much for violets and those coming in are poor in color. In chrysanthemums, Major Bonnaffon holds the center of the stage, the earlier varieties being practically over. There are still a few Clementine Tousets while Timothy Eaton and Yellow Eaton will soon be at their best. Orchids continue to arrive from the northern part of the state, but they cannot compete for quality and freshness with the local grown stock. Among the outdoor flowers, cosmos, gaillardias and carnations are still plentiful and a few gladioli are still seen. Green goods are plentiful and the few bales of oak and other autumn foliage that have been shipped to this market have sold readily and been extremely useful in the many decorations recently carried out.

EASTER LILIES.

\$1.50 per doz. \$10.00 per 100.
Grown by an expert, they are all that
could be desired.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.,
1209 Arch St.,

BRONZE GALAX

\$7.50 per case.
Clean stock—no waste. We guarantee
every case to be first class.

VALLEY.

Special, \$4.00 per 100.
First, \$3.00 per 100.
We always have plenty good Valley.

Philadelphia, Pa.**SAMUEL F. LILLEY****WHOLESALE FLORIST**

5 South Mole Street
(Near Broad Street Station)

PHILADELPHIA, PA.

A good market, good stock, and satisfaction guaranteed.

Philaec phla.**BUSINESS IMPROVING.**

Business is improving, though the first days of last week were slow on account of warm weather and a surplus of stock. Heavy rains and decidedly cooler weather the last of the week materially improved the conditions. It is recognized as a fact that the reign of the dahlias, pretty as they have been, is almost ended for this season. The chrysanthemums will now have their innings and much good stock is already arriving and it is going very well. Add to this the exceptionally good quality of American Beauty and tea roses, carnations, lilies, Lily of the Valley and other stocks, and it is reasonable to state that, for a time at least, this market will be well supplied.

NOTES.

The two retail stores of H. H. Battles, on Twelfth street, are now resplendent with all the best things the market affords.

Samuel F. Lilley is now particularly strong on good roses and chrysanthemums and reports business as rapidly improving.

A recent visit to the Laurel Hill range of John Westcott disclosed a great stock of ornamental plants.

Berger Bros. have very fine chrysanthemums and a great variety of other stock and are cleaning up well.

John McIntyre is receiving large shipments of the best chrysanthemums and cleans them up every day.

J. J. Habermehl's Sons continue their excellent stock and fine window decorations.

John Burton is now sending to market an exceptionally fine crop of roses.

Pittsburg.**FIRST FROST.**

The long desired frost visited us October 23, and while it did not freeze up everything, it froze enough to give a healthier tone to the market, and we might expect the demand for indoor stock to be active and prices take a hump. Chrysanthemums continue to overshadow everything else, and those retailers who grow their own are selling them at exceptionally low prices, and while they sell a good many that way, roses, carnations, lilies, etc., are almost neglected. In fact there is no call for lilies at all. Beauties are exceptionally fine, but the demand is very weak; the same can be said of orchids and violets. Lily of the valley has very strong calls. The market is still overloaded with green stock.

At Phipp's Conservatories they expect to stage the big chrysanthemum show October 30.

Wholesale Flower Markets

PHILADELPHIA, Oct. 26.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" " first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	35 00@50 00	
Dahlias.....	1 00@ 3 00	
Lilium Harrison.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	4 00@ 8 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	
Violets.....	25@ 40	
Chrysanthemums..... per doz.	1 00@2 50	

PITTSBURG, Oct. 26.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" " extra.....	8 00@12 00	
" " No. 1.....	4 00@ 6 00	
" Bride Bridesmaid.....	1 00@ 6 00	
" Chateau.....	1 00@ 6 00	
" Killarney.....	1 00@ 6 00	
" My Maryland.....	1 00@ 6 00	
" Richmond.....	1 00@ 6 00	
Carnations.....	1 00@ 3 00	
Chrysanthemums.....	3 00@15 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Oncidiums..... per doz., 3 00@ 5 00		
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch, 50		
" strings..... per string, 50		
" sprays..... per bunch, 50		
Smilax.....	15 00	
Cattleyas.....	60 00	

A grand display is on at the conservatories of H. J. Heinz and H. C. Frick.

Very fine American Beauties and Cattleya Labiata are offered at the McCallum Co.

The Pittsburg Cut Flower Co. is kept busy moving quantities of mums.

Boston.**WARM WEATHER.**

The weather has been extremely warm and consequently the week has been a very trying one, especially to those who reship their stock. There is an over-supply of chrysanthemums, and the other stock has to take its chances. The retail stores take the finest blooms to make their establishments attractive, the noticeable varieties being Beatrice May, Alice Byron Gloria, Pennsylvania, Crocus, and Black Hawk. The condition of the chrysanthemum market is shown by the salesmen quoting the price by the hundred. The only stock in demand is lilies, of which the supply is short.

FLORISTS' CLUB MEETING.

The meeting of the Gardeners' and Florists' Club was held October 18 at Horticultural Hall. The speaker of the evening was Edward McMulken, the Boylston street florist. He spoke on the relationship between the retailer and the grower and policies affecting their mutual interest. And also of the growth of the florists' business and of the tremendous increase in greenhouse area in recent years. His remarks called forth considerable discussion from the prominent growers present, who turned a fusilade of replies upon him. The committee on entertainment at the National Flower Show in March reported in favor of a reception, dance and lunch instead of a banquet, and

THE TWO KILLARNEYS**MARYLAND---PERLES.**

QUALITY FINE.
PRICES LOW.

The McCallum Co., Inc.
PITTSBURG, PA.

Pittsburg Florists' Exchange**WHOLESALE FLORISTS**

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq.

PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Pittsburgh Cut Flower Company**WHOLESALE GROWERS**

121 Seventh Street,

PITTSBURG, PA.

John W. McIntyre**WHOLESALE FLORIST.**

Chrysanthemums, all colors.

1601 Ranstead St.,

PHILADELPHIA, PA.

P. Welch, Edward McMulken and W. J. Stewart were added to the committee. The exhibition table contained a choice collection of plants and blossoms and the following awards were made: Award of merit to Peter Fisher for variegated seedling carnation No. 106, soft pink in color; cultural report of merit to Daniel White for collection of chrysanthemums from 6-inch pots; honorable mention to W. W. Edgar Co. for Begonia Gloire de Lorraine; vote of thanks to W. N. Craig for cosmos Lady Lennox, chrysanthemum Pacific Supreme, Cattleya Portia (C. Bowring-eana X C. Labiata); Paul de Nave, collection of orchids; H. L. Cameron, chrysanthemum Beatrice May; Duncan Finlayson, chrysanthemum Glory of the Pacific; G. Bleicken, chrysanthemums in 4-inch pots, and C. Walters, lettuce Sutton's Supreme. The meeting was a very enjoyable one.

NOTES.

The Boston Flower Exchange, Inc., Park street, held their annual meeting and banquet at Young's Hotel, Saturday evening, October 29. There were

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

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—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

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SEEDS and BULBS.

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62 members and guests present. It was a very gratifying affair. No liquors were served. The report for the year was so encouraging that motion was made to issue 15 more shares. A dividend of 10 per cent was declared. The old board of directors and officers were unanimously re-elected, as follows: William C. Stickel, president; William Nicholson, vice-president; George Cartwright, secretary and treasurer; Alexander Montgomery, E. Allan Peirce, Lester W. Mann, Andrew Christiansen, S. J. Goddard and Thomas Pegler, directors; William J. Thurston, manager. The remainder of the evening was devoted to speaking. Andrew Christiansen gave an account of his European trip which was replete with interest. Robert Cameron followed. George Butterworth of Framingham spoke on orchids. The other speakers were W. J. Thurston, A. C. Parker, J. S. Manter and Eber Holmes. A fine large flashlight photograph was taken of the members at the tables.

J. K. M. L. Farquhar announces that, following the policy illustrated by the great orchid show, the Massachusetts Horticultural Society will do all it can to induce other special exhibitions to come to Boston. The Greenhouse Vegetable Growers and Market Gardeners' Association has been invited to come to Boston in September, 1911. The Boston Market Gardeners' Association, in conjunction with the Massachusetts Horticultural Society, will contribute substantially the money that will be offered for prizes.

The funeral of Mrs. Julia Ward Howe called for the use of a vast quantity of flowers and there was a profusion of floral tributes at the funeral at the Church of the Disciples, consisting of large, elaborate floral pieces and wreaths of all kinds. The Greek societies tendered many fine and large tributes with the Greek and American flags and the Hellenic colors being worked into the designs very handsomely.

The Massachusetts Horticultural Society has made the following nominations for the coming year: C. W. Parker, president; W. C. Baylies, vice-president; J. A. Pettigrew, E. B. Dana, Wilfred Wheeler and S. M. Weld, trustees; C. W. Hoitt, J. B. Shurtleff, F. H. Appleton and J. Willard Hill, nominating committee for 1912. The annual meeting is in November.

Penn arranged the decoration at the Gilchrist store, one of the largest department stores in the city. They used 100 large Bay trees and 500 other plants in variety. The firm also had a

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Oct. 26.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@ 4 00	
" " Bride, Bridesmaid	1 00@ 4 00	
" " Killarney and Richmond	5 00@ 8 00	
" " My Maryland	1 00@ 8 00	
" " Carnot	2 00@ 8 00	
Carnations, select	1 00@ 2 00	
" " fancy	2 00@ 3 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@25 00	
Gardenias	16 00@25 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	2 00@ 4 00	
Violets	50@ 75	
Smilax	12 00@16 00	

ST. LOUIS, Oct. 26.		Per 100
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@ 4 00	
" " Bride, Bridesmaid	2 00@ 5 00	
" " Killarney	3 00@ 5 00	
" " My Maryland	3 00@ 5 00	
" " Richmond	4 00	
Carnations	1 50@ 2 00	
" " fancy	2 00	
Easter Lilies	10 00@12 50	
Adiantum	1 00	
Asparagus Sprengerii	2 00@ 3 00	
Smilax	12 50@15 00	

CINCINNATI, Oct. 26.		Per 100
Roses, Beauty	1 00@ 3 00	
" " Bride, Bridesmaid	2 00@ 6 00	
" " Golden Gate	2 00@ 6 00	
" " Killarney	2 00@ 6 00	
" " Richmond	2 00@ 6 00	
" " Pres. Taft	3 00@ 8 00	
Carnations	1 00@ 3 00	
Callas	10 00	
Chrysanthemums	4 00@25 00	
Daisies	50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@ 4 00	
Adiantum	1 00@ 1 50	
Asparagus Sprengerii, per bch.	25	
Smilax	12 50@15 00	
Gladiola	3 00@ 4 00	

MILWAUKEE, Oct. 26.		Per doz.
Roses, Beauty, per doz.	50@3 00	
" " Bride, Bridesmaid	3 00@ 6 00	
" " Killarney	3 00@ 8 00	
" " Richmond	3 00@ 6 00	
" " Perle	3 00@ 6 00	
Carnations	1 50@ 3 00	
Lilium Gigantum, per doz.	2 00 12 50	
Lily of the Valley	3 00@ 4 00	
Magnolia	35	
Snapdragon	2 00@ 4 00	
Adiantum	1 50	
Asparagus Plumosus, per bunch	50@60 35@50	
" " Sprengerii	35	
Ferns, Fancy	per 1000, 1 50	
Galax	per 1000, 1 50	
Smilax	per doz., 1 50	
Violets	75@ 1 00	
Mums	per doz., 1 50@ 3 00	
" " Single and Anemone varieties	per bunch, 50	

large number of orders for the funeral of Mrs. Julia Ward Howe.

William Nicholson of Framingham has the finest chrysanthemums, and is showing mignonette with 18 and 24-inch stems.

Welch Bros. report a drop in the market this week. Edward J. Welch has just returned from a business trip to Germany to purchase supplies.

W. H. Elliott is offering some handsome Rhea Reid roses. He has a va-

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES!

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames.

All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping,
and Everything in the Green Line.

—LOWEST PRICES IN THE CITY.—

cant store next to his new market filled with pot chrysanthemums.

The Boston Park department has established an herbaceous garden at Franklin Park under the superintendence of J. A. Pedigo.

N. F. McCarthy & Co. have received a large importation of roses and other hardy stock for their auction sales.

William A. Riggs of Jamaica Plain has purchased the John G. Forbes place at Auburndale. W. T. H.

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our greenhouses in 7-in. and 8-in. pots, 2 to 3 feet tall.

Price, \$2.50 and \$3.00 each.

Julius Roehrs Company

Rutherford, N. J.

PHILADELPHIA

NEW YORK

WASHINGTON

S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

Everything in Supplies.

PERCY B. RIGBY, Treasurer.



OFFICIAL

S. A. F.

Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

New York.

STOCK OVERPLENTIFUL.

There has been little change in the market conditions over that of last week, if any it has been for the worse. The weather still remains unusually and at times uncomfortably warm, and there is an abundance of good stock arriving. Fortunate, indeed, is the retailer who has any decorations just now, as good stock can be bought for surprisingly low figures, particularly when bought in quantities, the wholesalers being glad to move it at practically the buyer's own price, and there is little chance of any improvement as long as the present weather continues. Toward the end of the week the heavy rains have added to the already stagnant conditions, but it is hoped and expected that they will prove to be harbingers of more seasonable weather. Chrysanthemums are now arriving in great abundance, as are also roses; some good carnations, considering the season, are also arriving but as usual will probably remain in the background until the exit of the chrysanthemums. Numerous cosmos and dahlias are still coming in, also violets, large quantities of the latter going to the street peddlers. Orchids and gardenias, although comparatively cheap, seem to hold their prices a little better than other stocks.

NOTES.

Geo. Stumpp of Fifth avenue had the Demorest wedding decorations on October 22, also a dinner preceding the wedding on October 21 at the Metropolitan Club, at which the table center pieces were of white chrysanthemums and the favors gardenias. At the house and also an adjoining empty house engaged for the occasion the decorations were of southern smilax, oak foliage, white, pink and yellow chrysanthemums. At St. Thomas' church, on Fifth avenue, the same color scheme was carried out, while made-up palms over 30 feet high were also used. The bride carried a prayer book with a spray of orange blossoms and the maids bouquets of cattleyas and Dendrobium Phalenopsis. This firm sent a team and three men to the country for two days cutting autumn foliage for this decoration.

P. L. Bogart, Sixth avenue, had the Palmer wedding decorations on West Seventy-third street, October 26, which was one of the largest of the season.

The house decorations were of southern smilax and white and pink chrysanthemums, and at the Church of All Angels, where the ceremony took place, enormous quantities of smilax, palms and white chrysanthemums were used. The bridal bouquet was of white orchids and jasmine and the ten bridesmaids carried bouquets of Bridesmaid roses, the flower girls carrying baskets of My Maryland roses.

Thos. Young, Fifth avenue, has a very artistic display of cattleyas and spray orchids arranged in bamboo stands with cybotium ferns for a background in one window, and in the other a display of fancy varieties of chrysanthemums and autumn foliage.

At the auction sale of J. Weir & Sons, Brooklyn, the real estate was withdrawn and the good will of the business and option of a three-years' lease sold to J. Weir, Jr., for \$800, while the stock, horses, wagons, etc., distributed among about 30 bidders, brought fairly good prices. Wm. Elliott & Sons were the auctioneers.

Fleischman has leased two stores in the new Pennsylvania station at Thirty-fourth street, one in the ladies' waiting room, the other in the arcade. This firm will have a new auto delivery car, with a glass body, in operation in a few days.

The strike of the wagon helpers of the United States Express Co., commencing on October 22, was the cause of considerable annoyance to the wholesalers, all consignments via this company being very late in arriving.

MacMillan Co. of Greenwich, Conn., report an unusually busy summer. Mr. McMillan is desirous of meeting the members of the Greenwich Gardeners' Club at his store to discuss plans for the coming year.

A. R. Jones, with the S. S. Pennock & Meehan Co., of Philadelphia, is spending a few days here, looking after the affairs of their New York store during the absence of Mr. Rigby.

Joe Fennrich has issued a challenge to any member of the New York Florists' Club to bowl the best seven out of 13 games, for \$100.

Sam Enright, salesman for Wertheimer Bros., is in town again after a successful trip through the New England states.

Wadley & Smythe are doing their usual amount of decorations for this season of the year.

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers.
Consignments Solicited.

Mention the American Florist when writing

Orange, N. J.

The New Jersey Floricultural Society at its regular meeting October 14 decided to hold their sixteenth annual chrysanthemum show in Lindsley's Hall, 240 Main street, October 29, from 3 to 10 p. m. The silver cup donated by John R. LeCount of Maplewood, N. J., will be competed for with 24 cut chrysanthemums, six varieties, four flowers of each, not less than 18-inch stems. There will be 12 classes of chrysanthemums as well as classes for orchids, roses, carnations, foliage plants, flowering plants, violets, fruits and vegetables. Competition is open to all. An invitation was received from the Morris County Gardeners' Society to participate at their annual chrysanthemum show, to be held at Convent Station November 2-4. Lager & Hurrell, the orchid growers from Summit, had a nice display of orchids on exhibition, for which they received 90 points. Albert T. Larson, gardener for A. B. Jenkins, was awarded 95 points for roses. Frank Drew, gardener for Thomas Edison, 95 points for roses. William Reid, gardener for S. M. and A. Colgate, 70 points for roses. William Reid, 90 points for carnations and 85 points for white seeding carnation not yet disseminated. Max Schneider, gardener for Chas. Hathaway, carnations, 75 points. William Reid, Begonia Gloire de Lorraine, 90 points, and for Maranta Splendidum, 85 points. Certificates were awarded for the following exhibits not in competition for points: Chas. Ashmead, gardener for Mrs. Wm. Pierson, carnations; Albert F. Larson, roses and carnations; Frank Drew, roses; Max Schneider, chrysanthemums; Fritz Berglund, gardener for the Essex County Country Club, chrysanthemums and carnations. The judges were John L. Collins, Edward Echs, D. Kindsgrab.

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Roses, Beauty, special.....	10 00@25 00
.. extra and fancy.....	5 00@10 00
.. No. 1 and No. 2.....	3 00@ 4 00
.. Bride, Bridesmaid, special.....	4 00@ 5 00
.. extra and fancy.....	1 00@ 2 00
.. Killarney, special.....	4 00@ 5 00
.. extra and fancy.....	2 00@ 3 00
.. No. 1 and No. 2.....	1 00@ 2 00
.. Kaiserin, special.....	4 00@ 5 00
.. extra and fancy.....	2 00@ 3 00
.. No. 1 and No. 2.....	1 00@ 2 00
Carnations.....	1 00@ 3 00
Chrysanthemums..... per doz.....	1 0 @ 5 0
Cattleyas.....	25 00@35 00
Dahlias..... per doz.....	75@ 2 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	1 50@ 3 00
Gardenias..... per doz.....	\$1 80@ 4 00
Violets vary so much that they cannot be quoted.	

BUFFALO, Oct. 26.

Roses, Beauty, special.....	20 00@25 00
.. fancy.....	15 00@20 00
.. extra.....	10 00@15 00
.. No. 1.....	7 00@10 00
.. No. 2.....	4 00
.. Bride Maid, Killarney.....	2 00@ 8 00
.. Kaiserin.....	4 00@ 8 00
.. Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 00@ 3 00
Cosmos..... per bunch.....	15@ 25
Chrysanthemums.....	6 00@20 00
Dahlias.....	1 @ 2 00
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Crouceanum.....	75@ 1 50
Asparagus per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00
Violets.....	60@ 75

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Here are our prices. Write today; we'll ship promptly.

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Pot	L'ves	In. high	Each Doz.	Pot	L'ves high	Doz.	100
6-in.	6	34-36	\$1 50 \$18	5-in.	6-7 18-in	\$6 00	\$50
Made-up Kentia Forsteriana				Each Doz.			
Tub or pot	Plants in pot	high	Each	6-in.	6-7 22-24-in.	\$1 00	\$12
7-in.	4	36-in.	\$2 50	6-in.	6-7 24-26-in.	1 25	15
7-in.	4	36-40-in.	3 00	6-in.	6-7 26-28-in.	1 50	18
Tub	Plants in tub			Pot or tub			
9-in.	4	42-48-in.	\$5 00	7-in.	6-7 34-36-in.	2 50	30
COCOS WEDDELIANA				7-in.	6-7 36-38-in.	3 00	
Pot	L'ves	In. high	Per 100	7-in.	6-7 40-45-in.	4 00	
2½-in.		8 to 10	\$10 00	Tub			
2½-in.		10 to 12	15 00	9-in.	6-7 42-48-in.	\$5 00	
PHOENIX ROEBELII				9-in.	6-7 48-54-in.	6 00	
Nicely characterized.				ARECA LUTESCENS			
Pot	Each	Pot	Each	Pot	Plants in pot	In. high	Each
5-in.	1 00	7-in.	\$2 00	6-in.	3	26 to 28	\$1 00
6-in.	1 50			7-in.	3	30 to 32	2 00
				8-in.	3	36	2 50
				8-in.	3	42	3 00

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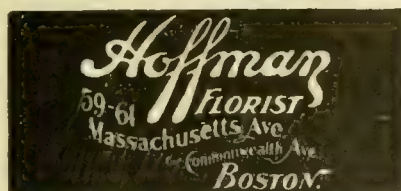
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St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.
Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Chicago

A. LANGE,

44 E. MADISON ST.

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,
FLORIST,**

Telegraph Orders
A Specialty, 218 W. 4th St.
Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

MILWAUKEE, WIS.—W. Reid, formerly of Chicago, is now with Currie Bros., this city.

CHICAGO.—Prices on the board of trade October 26 for grass seed were noted as follows: Timothy, \$8 to \$9 per 100 pounds. White clover, from \$22 to \$27.

VISITED CHICAGO.—J. Chas. McCullough, Cincinnati, O., returning from California; S. F. Willard, of Comstock, Ferre & Co., Wethersfield, Conn., and Jesse E. Northrup, of Northrup, King & Co., Minneapolis, Minn.

BOSTON MASS.—Joseph Breck & Sons report that the bulb demand sets in most strongly toward narcissus and the stock is getting short.—Fottler, Fiske & Rawson Co. say the bulb business this year excels all previous records.—James Comont of Carter, Dunnett & Beale, London, Eng., was a visitor.—W. T. H.

DES MOINES, IA.—Charles N. Page and his wife were happily reminded of their twenty-fifth wedding anniversary by receiving a handsome silver tea service, the gift of the many employees of the store, greenhouse and warehouse of the Iowa Seed Co., and among other rich gifts were two handsome silver trays to accompany the tea service. The day was quietly observed at the Page home.

LINCOLN, NEB.—The Griswold Seed Co. has just started work on a new fireproof warehouse and office building. The structure will be of reinforced concrete, three stories and basement in front. The rear of the building will be 35x50 feet, five stories high with deep basement, equipped with dump scales, reinforced concrete bins and all modern machinery for handling corn, clover, alfalfa, grass and other field seeds. The building will be strictly fireproof and modern in every respect. The firm is doing the construction work with the aid of an experienced foreman and in this way finds it possible to make desirable changes as the work proceeds and save money. It is hoped, with the aid of this building, to take care of the concern's rapidly increasing business.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

The Insecticides Act.

At the last session of congress a bill was passed known as the Insecticides Act of 1910, for preventing the manufacture, sale or transportation of adulterated and misbranded paris green, arsenate of lead and other insecticides and fungicides, for regulating traffic therein, and for other purposes.

A notice was sent out by the attorney for the Department of Agriculture calling for a public hearing October 20 at 216 Thirteenth street, Washington, D. C., of all persons interested in the bill. As the bill provides for the making of rules and regulations for its enforcement, a committee, composed of R. E. Cabell, commissioner of internal revenue, Charles Earl, attorney for the Department of Commerce and Labor, and George P. McCabe, attorney for the Department of Agriculture (chairman), upon assembling asked those present if they had any views to express on the law, so that the department may be guided by them in framing rules and regulations. As the committee had nothing to propose, there was an informal expression of opinion by various persons interested, the greater part of whose work consisted of the submitting of pyrethrum powder samples.

The intent of the law, as finally summed up, is to prevent the sale of bogus material and misrepresentation as to the effects of materials. The law goes into effect January 1, 1911.

BENJAMIN HAMMOND.

Rain Damaged Beans.

A good deal of interest has been shown in jobbing circles in all sections of the country over the situation in lima beans with direct reference to damaged stock as a result of the rains on the coast during the curing season. A circular letter issued by one of the largest factors in the trade refers particularly to the rain damaged beans and is in the nature of a caution to the jobbing grocers. In connection with this circular Frank A. Alpin, vice-president of the J. K. Armsby Co., said in an interview yesterday: "Our circular to the jobbing grocery trade reads that rain damaged goods will be recleaned, hand picked and polished, will have a very good appearance, but will be more or less soft. For this reason we cannot guarantee keeping quality. Lima beans harvested before the rain are guaranteed as to keeping quality."

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

"There is comparatively a limited quantity of stock harvested before the rains left on the coast. If this is true the large 'short' interest that has contracted with the merchant to deliver at a price, choice recleaned limas, will be obliged to attempt to deliver limas harvested after the rain, on contracts. This is a good game for the grower. It is a good game for the speculative 'short' seller if he can put it through, but as the keeping quality will be seriously questioned, and as the shrinkage will go on from day to day the buyer will not only face shrinkage, but the possibility of 'must' unless the beans are carried under exactly the right warehouse conditions.

"It is up to the buyer this year to be rather careful as to what beans he buys or accepts. The general buying market today on the coast for free from rain damage stock is \$4.75 to the farmer. Considering expense of handling, the fact that goods are sold payable on arrival at eastern points, thus putting upon the shipper the loss of interest, possibly of claims for shrinkage in excess of the custom of the trade, you will readily see would force the shipper to name price if he came out even of fully 5 cents for strictly free from rain damage beans coast.

"On the other hand, rain damaged stock will have to be sold for what it will bring based upon the amount of damage and willingness of the jobber to take the risk. The serious side of the question is the fulfillment of contracts already entered into by shippers for October shipment for choice reclaimed stock."—New York Commercial, October 8.

Imports.

During the week ending October 1, imports were received at New York as follows:

C. F. Meyer, 159 cases plants.
Vaughan's Seed Store, 154 cases plants, one case bulbs.
McHutchison & Co., 131 cases plants, 42 tubs laurel trees.
J. M. Keller, 48 cases plants.
H. F. Darrow, 27 cases plants, 35 pkgs. seed.
J. Roehrs & Co., 27 cases plants.
A. Rolker & Sons, 25 cases plants.
W. R. Huntington, two cases trees.
C. C. Abel & Co., 72 cases bulbs.
W. Elliott & Son, 34 cases bulbs.
Stumpp & Walter Co., 32 cases bulbs.
J. M. Thorburn & Co., 12 cases bulbs, 15 bags seed.
R. M. Ward & Co., five cases bulbs.
P. Henderson & Co., 3 cases bulbs.
H. Nungesser & Co., 100 bbls. grass seed.

To others 735 cases plants, 34 cases trees and shrubs, 314 tubs laurel trees, 161 cases bulbs, 300 bbls., 224 bags seed, 111 bbls., 21 bags grass seed, 300 bags clover seed.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



J.C. Robinson Seed Co.
Waterloo, Neb.
Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.
Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**
Mention the American Florist when writing

**BURPEE'S
SEEDS
PHILADELPHIA**

Wholesale Price List for Florists and Market Gardeners.

S. M. Isbell & Co.,
Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

Crimson Clover

Lowest prices. Instant shipment.

J. BOLGIANO & SON,

Wholesale Seed Merchants,

1818 Baltimore, Md. 1910

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list. Per 1000
Paper White Grandiflora, fine stock \$ 8.00
Empress, Double Von Sion or Princeps 10.00
Emperor 12.00
Stella, Figaro, Cynosure 2.00
Grand Monarque 8.00

The Leedham Bulb Company, Santa Cruz, Calif.

New Price List of My Celebrated
WINTER FLOWERING

Sweet Pea Seed

Is being mailed. If you have not received a copy, please send for one. New crop of seed will be ready around July 15 next.

ANT. C. ZVOLANEK, Bound Brook, N.J.



BULBS Cut Price to Clear.

Narcissus Paper White Grandiflora,	Per 100	1000
fancy grade, 1,250 to case	\$ 7.25	
White Roman Hyacinths, 12 to 15 ctm., 2,000 to case	\$2.10	19.00
Von Sion Narcissus, extra D. N.	2.10	19.00
Golden Spur Narcissus, extra D. N.	2.10	19.00

Tulips, Hyacinths. Let me know your wants.

STOKES' SEED STORE, 219 Market Street, PHILADELPHIA, PA.

Hyacinths, Tulips, Narcissus

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer

As an inducement to secure orders for a general line of bulbs, we quote

Hyacinths, Unnamed, Single

Any color, \$2.10 per 100; \$19.50 per 1000

To Secure These Prices, Mention This Paper.

Send us your order for other varieties. See our adv. in issue of Oct. 15th.

If You Want the Best Quality, Our Prices Are Low

James Vick's Sons, Rochester, N. Y.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

A FEW SPECIALTIES IN BULBS

NARCISSUS.		TULIPS.	
Emperor and Empress, selected	Per 100 1000	Keizerskroon.....	Per 100 1000
doubt-nosed bulbs	\$1.75 \$15.00	La Reine	\$1.25 \$10.50
Bicolor Victoria, selected double-nosed bulbs	1.75 16.00	Rose Gris de Lin	1.00 8.00
Golden Spur, selected double-nosed bulbs	2.25 19.00	Rose Luisante.....	1.00 8.50
Double Von Sion, selected double-nosed bulbs	2.25 19.00	Murillo	1.25 10.00
Poeticus Ornatus, selected double-nosed bulbs	1.00 7.50	Couronne d'Or.....	1.75 14.00
Princeps, selected double-nosed bulbs	1.25 9.50	Salvator Rosa	1.75 14.00
Freesias, Bermuda-grown.		Gesneriana Spatulata.....	1.25 9.50
Bulbs ¾ to 1 inch and up in diameter	.75 6.00	LILIU HARRISII.	
Bermuda Buttercup Oxalis.		Selected bulbs. The original true stock.	
Extra sized bulbs .....	.75 6.00	Per case. Per 1000	
Complete list of Fall Bulbs and Ferns sent free on application.		6 to 7 inch, 350 to the case.....	\$17.50 \$45.00
		7 to 9 inch, 200 to the case	18.00 80.00
		White Roman Hyacinths. Per 100 1000	
		Bulbs 12 to 15 cm., 2 000 to the case	\$2.75 \$25.00
		13 to 15 cm. bulbs, 1 600 to the case	3.00 28.00

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

FREMONT, O.—The sauerkraut famine threatened a month ago has been averted by the heavy rains of the last few weeks. Cabbage which was selling at \$10 a ton during the dry spell has dropped to \$3 a ton and is plentiful at that price. All the plants of this city, which is the American sauerkraut center, are working overtime.

The Potato as a Truck Crop.

The growing of the potato as a truck crop has assumed large proportions at the south, and Bulletin 407, issued by the Department of Agriculture, thoroughly describes the preparation and character of the soil; the seed, and the care and quantity used; the planting and cultivation; fertilizing, spraying, and harvesting of this large and valuable crop.

Market Gardeners' Convention.

The report of the vice-president of Illinois at the Market Gardeners' convention states that 75 per cent of the growers are organized in the northern part of the state, while in the southern and central parts the number varies. The produce is sold to consumers direct, to retailers and commission men and enumerates the various crops grown. The growers generally are satisfied with the returns but complain of poor crops. The use of commercial fertilizers, spraying as a remedy for fungus, and uniform packages is on the increase. While irrigation is being resorted to, the expense of city water is a drawback. The most helpful methods to be considered are: to form local organizations, to cooperate with state governments in disseminating horticultural knowledge, become members of the national association, adopt modern farm implements, cooperate with fellow gardeners, and teach your sons to be contented. There are 93 greenhouse establishments of one acre or more devoted to vegetables in Cook county and vicinity, in which the principal crops are lettuce, cucumbers, and radishes, the first named occupying 75 per cent, the second 15 per cent and the last named 10 per cent of the area. The average yield for 100 square feet of bed surface is 100 boxes (6x8½x17½) of lettuce and 39 53-100 dozens of cucumbers. The total for these establishments is 2,700,000 boxes of Grand Rapids lettuce, and 1,027,000 dozen of cucumbers.

Notes on Marketing.

Attention being the first step towards making a sale, goods prepared for market should be put up in such a manner that they attract attention. It is right here that many a grower loses without realizing it. A commission man recently showed the writer barrels of lettuce which were no doubt a number one article, but which were not stripped or cleaned, simply cut and

washed. The lower yellow leaves will decay in 24 hours after packing and give the whole lot an old appearance. Such goods will never command top prices. We have experimented a little along this line, by collecting all the strippings and weighing them and we find the loss to be very small, so small that we strip rigorously every tainted leaf. It pays us to do so. Another factor is washing in fresh cold water. Many growers are careless in this respect. They think any old water will do, forgetting that they are handling foodstuffs, and that the buyer is entitled to goods handled in a sanitary way. Barrels intended for vegetables should be provided with drain holes, and the first layer so placed that the holes are not covered, so any excess water can promptly drain out.

Radishes are much more difficult to handle. We grow the scarlet globe type only. These we pull and pick into bushel baskets in such a way that all the radishes are against the basket in a circle. When full the basket is taken to the packing room and upset upon a table. This will expose every radish to the stream of cold water from a hose and with good pressure they can all be hosed perfectly clean in a moment; they are then bunched and dropped into a rinsing tub to clean the foliage, after which they are at once packed. By this method we can put up a large quantity in very short order and have perfect appearance. Any drying before washing greatly impairs color of rad-

ishes, and makes any earthy adherence hard to remove. It is never good policy to pull radishes or cut lettuce during the warm hours of the day; any wilting is a loss which is hard to correct.

Parsley should be stood in water for a few hours after bunching, in such a manner that the stems only are immersed, much like cut flowers.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession...	\$.20	\$1.00
Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

— Cash with order. —

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

RELIABLE SEEDS.

	Oz.	pkt.
Bells, double Daisies, Longfellow, pink	\$3.00	30c
Snowball, white..	3.00	30c
Carnations, hardy garden, finest double mixed	2.00	25c
Myosotis, alpestris, Victoria compact blue	2.50	35c
Pansies, Special florists' mixture.....	4.00	50c
Pinks, double dwarf hardy garden mxd..	4.00	50c
Wallflower, extra dbl. dwl., Bush mxd..	4.00	50c

For other varieties ask for my catalogue.
O. V. ZANGEN, Seedsman, Hoboken, N. J.



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
selected specimens } 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
Pure Culture } 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 4-86 Randolph St. NEW YORK: 25 Barclay St.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.

ROBERT CRAIG COMPANY

49th and Market Sts., PHILADELPHIA, PA.

DON'T BE SATISFIED WITH ANYTHING BUT THE BEST. In placing your order for

CRAIG QUALITY STOCK

You can insure yourself against inferior goods. Our stock is the highest quality obtainable, and we solicit your valued orders. We have thousands of satisfied customers.

WHY NOT YOU?

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-in. pots, 2 feet tall.....\$2.00 each
6-in. pots, 2½ feet tall.....2.50 each
7-in. pots, 3 feet tall.....3.00 each
8-in. pots, 4 feet tall.....4.00 each
10-in. and 11-in. tubs, 5 to 7 feet tall.....\$5. \$6. 7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at \$2.50, \$3.00, \$3.50, \$4.00, \$5.00, \$6.00 and \$7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots.....\$2.50 per 100
5-in. pots.....50c, 75c and \$1.00 each
6-in. pots.....75c, \$1.00, \$1.25, \$1.50 and \$2.00 each
7-in. pots.....\$2.00, \$2.50 and \$3.00 each
8-in. pots.....3.00, 3.50 and 4.00 each
10-in. ¾ pans... 5.00, 6.00 and 7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots.....\$1.50, \$2.00, \$2.50
Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots.....\$18.00 per doz.
7-in. pots.....24.00 per doz.
8-in. pots.....\$30.00 and 36.00 per doz.
9-in. pots.....48.00 per doz.
10-in. pots.....\$5.00 and \$6.00 each

Dracena Amabilis

6-in. pots.....\$18.00 per doz.
8-in. pots.....\$2.00 and \$2.50 each

Dracena Fragrans

Ready now.
5-in. pots.....\$5.00 and \$6.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine:

8-in. pots.....\$30.00 per doz.
8-in. tubs.....3.50 and \$4.00 each

Pandanus Utilis

Superb stock.
8-in. pots, strong plants.....\$18.00 and \$24.00 doz.

Boxwood Just Arrived

We have an unusually large stock of fine plants of all sizes.

For window boxes, 10-in. to 12-in.....15c, 20c, 25c each
Heavy stock.....35c, 50c, 60c, 75c each
Ball shape.....\$1.00, \$1.25, \$1.50 each
Heavy bush form.....\$1.00, \$1.25, \$1.50 each
Pyramids.....\$2.25, \$3.00, \$3.50, \$4.00, \$5.00 each
Pyramids, square shape, very handsome, in fancy tubs.....\$12.50 each

It will be well to place your order for above at once. We will hold same for future delivery or ship at once.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers..\$9 doz., \$70.00 100
6-in. pots, 5 tiers.....\$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....\$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall.....24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall.....30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall.....36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall.....3.50 Each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at \$2.50, \$3.00 and \$3.50 each. These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern.

6-in. pots.....\$6.00 and \$9.00 doz.

Neph. Todeaoides

London Fern.

This variety we consider the best of the upright growing class.
2½-in. pots..\$5.00 per 100, \$45.00 per 1,000
4-in. pots.....\$20.00 per 100
6-in. pots.....\$6.00 and \$9.00 per doz.
8-in. pots.....\$12.00 per doz.
10-in. pots.....\$18.00 and \$24.00 per doz.
11-in. tubs.....\$24.00 per doz.

Neph Scholzei

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.
2½-in. pots..\$8.00 per 100, \$75.00 per 1,000
6-in. ¾ pans, heavy.....\$6.00 and \$9.00 per doz.
8-in. ¾ pans, heavy.....\$15.00 per doz.
10-in. ¾ pans, heavy.....\$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.
6-in. pots, strong plants.....\$6.00 and \$9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2½-in. pots..\$10.00 per 100, \$90.00 per 1,000
4-in. pots.....\$25.00 per 100
6-in. pots.....\$6.00 and \$9.00 per doz.
8-in. pans.....\$15.00 per doz.

Neph Scottii

Our stock in superb condition.

2½-in. pots..\$5.00 per 100, \$45.00 per 1,000
4-in. pots.....\$25.00 per 100
6-in. pots.....\$6.00 per doz., \$45.00 per 100
8-in. pans.....\$12.00 per doz.
10-in. pans.....\$18.00 per doz.
11-in. tubs, heavy.....\$2.00 and \$2.50 each

Asparagus Plumosus Nanus

2½-in. pots..\$4.00 per 100, \$35.00 per 1,000
3-in. pots.....\$7.00 per 100, \$65.00 per 1,000

Pandanus Pacifica

Very handsome plants.

11-in. tubs..\$2.50, \$3.00, \$3.50 and \$4.00 each

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy.....\$50.00 per 100, \$450.00 per 1,000
6-in. pots, very heavy.....\$75.00 per 100
We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots.....\$25.00 per 100
5-in. pots.....\$6.00, \$9.00 and \$12.00 per doz.
6-in. pots.....\$12.00, \$15.00, \$18.00 and \$24.00 doz.
7-in. pots.....\$2.50 each
8-in. specimen plants..\$3.00 and \$3.50 each

Gardenia Veitchii

Strong plants.

2½-in. pots, heavy.....\$8.00 per 100, \$75.00 per 1,000
4-in. pots, heavy.....\$20.00 per 100, \$180.00 per 1,000
6-in. pots, heavy.....\$50.00 per 100
7-in. pots, heavy.....\$9.00 per doz., \$70.00 per 100
The above will make grand stock for Winter blooming.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America and are in a position to ship plants the following sizes in full bloom at once:

6-in. pots, very heavy.....\$12.00 per doz.
7-in. pots, very heavy.....\$15.00 and \$18.00 per doz.
8-in. pots, very heavy.....\$24.00 and \$30.00 per doz.
These can be used to advantage during November.

Send us your sample order now, see the quality, and then mail us your Christmas order.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

National Nut Growers' Association.

The annual convention of the National Nut Growers' Association will be held at Monticello, Fla., November 1-3, with headquarters at the St. Elmo hotel. The first session will be called to order at 2:30 p. m., November 1. Hon. D. A. Finlayson will welcome the convention to Monticello. E. W. Kirkpatrick of Texas, will respond. The president's annual address and transaction of initial business will conclude the session. The second session convenes at 7:30 p. m., the same day. Reports of officers and several committees will be heard. Judge U. V. Whipple of Cordele, Ga., will read an important paper entitled "Why Pecans?" Prof. H. A. Gossard of Wooster, O., will make an address on nut growing in that state. Col. J. C. Cooper of Oregon is booked to lecture on "The Persian Walnut in the Northwest," illustrating the subject by use of stereopticon views.

The second day, November 2, will be given up to the examination of orchards and nurseries. Committee work will be given attention, and the Georgia-Florida Pecan Growers' Association will hold a business session. At 7:30 p. m. an entertainment tendered by citizens of Monticello will round up the busy day. The third day and the third session convenes at 9:00 a. m., November 3. Business and reports will receive attention. M. B. Waite of Washington, D. C., will furnish a paper on diseases effecting nut trees and Prof. M. E. Jaffa of the University of California, has for his theme, "The Nutritive and Economical Value of Nuts." The fourth session on Thursday afternoon, will be devoted largely to business growing out of the various reports assigned for this session. Dr. R. O. Graham of Bloomington, Ill., has promised a paper on "Feeding the Orchard." The secretary will give a historical sketch of the association. The report of the committee on standards and nomenclature is assigned to this session.

The closing session on the evening of November 3 will be varied but very important. Prof. Hutt of North Carolina will give a review of legislation affecting horticulture. C. A. Reed of the Department of Agriculture and chairman of the important committee on varietal adaptation, will make an interesting as well as valuable report. Election of officers and attention to all unfinished business will end the convention.



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr., CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glimped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.

Ask for Wholesale Price Lists.

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RIEL, HOLLAND.

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Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN,

MASS.

SPECIAL address for

Rhododendrons, Azaleas,
Magnolias, Conifers,
Forcing and Ornamental Trees,
Climbing Plants, Roses,
Clipped Box and Yews,
Bulbs, Etc., Etc.

Catalogue on application, post free.

L. GAARKEUKEN, Nurseryman,
Hazerswoude, Holland.

PEONIES

Best Cut Flower varieties grown.

First Prize White	\$15.00 per 100
" " Pink	9.00 per 100
" " Red	10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

100,000 ROOTED TIPS

Himalaya Blackberry

For Spring delivery, \$6.00 per 100, \$50.00 per 1000.
Terms: June 1st, 1911.

Berrydale Experiment Gardens
R. 1, Box 54, HOLLAND, MICH.

40,000 Evergreens

ORDERS TAKEN

Can ship at convenience of purchaser.

NORWAY SPRUCE

18 to 24 inches...	5c each	3 to 4 feet.....	10c each
2 to 3 feet.....	7c each	4 to 5 feet.....	15c each

D. T. MCCARTHY & SONS,
Nurserymen, LOCKPORT, N. Y.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

15 Acres Devoted Exclusively to

PEONIES

Our Seventeenth Year. Prices Right.

Write for List.

GILBERT H. WILD, Sarcxie, Mo.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing. Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraea, Valleys.

Price List Free on Demand.

California Privet

2 year branched, 2 to 4 shoots, \$12.00 per 1000.
3 to 6 shoots, 15.00 per 1000.

No charge for cases or packing.

HENRY EICHHOLZ, Waynesboro, Pa

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

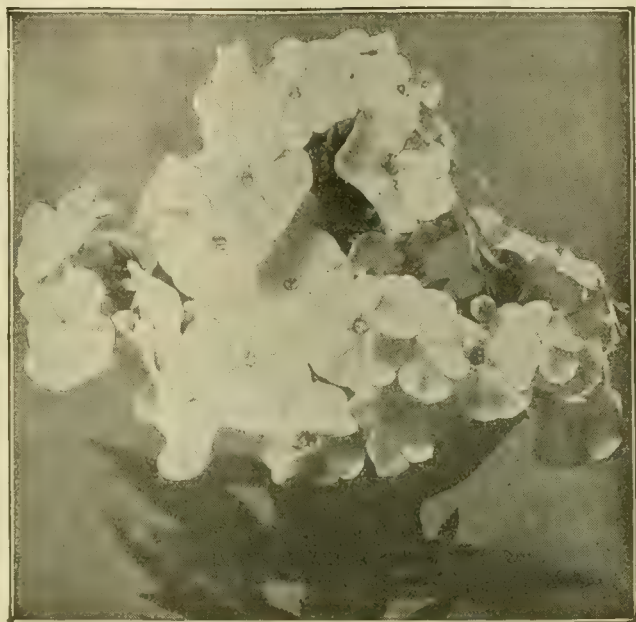
We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties,
\$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglac Adanson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elysee (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclaircure (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Ungeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate pale rose mauve, with claret-red eye.

George A. Strohllein (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovannelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Bentz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM
Hardy Lilies

Tennifolium, Wallacei, Bansonii, Henryi, etc.
IRIS KAEMPFER-I, DAPHNE CNEORUM
and **GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.
Landscape Architect and Forester

1 Montgomery St., **JERSEY CITY, N. J.**

Tree Renovation by Expert Operators. Stere-
opticon lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.
Wholesale Florists

Peoria, Ill.

See our advertisement page 504, Oct. 1 issue

Surplus Shrubs, Roses, Dahlias and Other Stock

We have the finest lot of large sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices.

Hydrangea paniculata grandiflora.
100
2-ft. 5 to 8 branches.....\$8 00
18-in. 3 to 5 branches.....6 00
12-in. 2 to 4 branches.....5 00
Viburnum plicatum, extra fine stock.
4 to 6-ft., 6 to 8 branches.....\$8 00
2 to 4-ft., 4 to 6 branches.....5 00
6 to 8-in., 1 to 3 branches.....3 00

Roses.
All on their own roots, field grown, fine strong and thrifty.
M. s. David Jardine Killarney, Richmond American Beauty, Kaiserin, Gen. Jacqueminot (bunch stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H. P.'s..... 1 each.
White and Pink Cochet, Mrs. B. R. Cant and Wm. R. Smith all field grown. 20 each.
There is big money for you in all these items. Let us hear from you. We need the room and you need the stock.

Berberis Thunbergi,
splendidly branched. 100
10 to 13-in., 6 to 8 branches.....\$5 00
8 to 10-in., 4 to 5 branches.....4 00
California Privet,
Magnificent stock. 100
2 years planted, 15 to 20 branches.....\$6 00
1 year planted 5 to 8 branches.....3 00

FOR FLORISTS' USE

We can also supply, in strong young pot-plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.
Dahlias.
Great clumps in splendid shape. All the leading sorts.
\$5 per 100; \$45 per 1,000.
Send for list of splendid varieties, all kinds.
Cannas.
Many of the best varieties. Extra large clumps. \$3 per 100. Send for list.

Altheas, all colors, fine plants.
100
18 to 24-in., 4 to 8 branches.....\$4 00
Clematis paniculata,
Extra strong plants. 100
3 years old.....\$10 00

Asparagus.
Both sprengeri and plumosus—and
Maldenhair Fern.
Extra fine, strong clumps, grown under ideal conditions every plant perfect. Just the thing for home decoration, 15c each, in any quantity.
Violets.
Immense field grown clumps, both double and single \$8 per 100.

THE DINGEE CONARD CO., West Grove, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt Perkins, Grant, La Favorite.
R. C. \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100.**
Whitman Ferns. 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Roses, Bride Maids and Gates, Killarney, 3-in., \$5.00 per 100
Dracena Ind., 4-in., \$10.00 per 100.
Cash with order.
GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.
Lager & Hurrell, Summit, N. J.

Providence.
The warm weather the first of the week had a sluggish effect on trade which had fallen to almost summer conditions. Roses, carnations, chrysanthemums and violets never looked better with the growers about this section. The supply of carnations is steadily increasing and quality improving but the demand is poor. Roses are looking fine and healthy, and the prices only fair. Chrysanthemums are more abundant and in more variety, but the trade is very slow, although quantities are used at funerals and weddings. Violets of good quality are plentiful, but move slowly at low prices. Dahlias and cosmos are the only outdoor flowers and quantities of both of good quality are available. All green goods are over plentiful and enough of lilies, lily of the valley and gardenias to supply all demand.
The R. I. Horticultural Society held its monthly meeting October 20, Vice-President Thomas Hope presiding. Eleven were elected to membership. Chairman Hope announced that the subject for discussion was the Evening Bulletin tree campaign and the members indorsed the movement most

Geraniums
ROOTED CUTTINGS
Cheaper than the cheapest. Good as the Best.
S. A. Nutt, \$11.50 per 1000.
Poitevine, 14.00 per 1000.
Ricard, 14.00 Per 1000.
All sold until December. Expect to have about 75,000 ready week of December 12th. To be sure of December delivery, better get your order placed now.
Coleus. As fine a collection as any in the world. Can furnish them by the 100,000 in season; now if you want them.
A. M. HERR,
LANCASTER, PA.

Grand Rapids Greenhouse Co.,
The Leading Wholesale Florists Of Michigan.
200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.
Grand Rapids Greenhouse Co., Grand Rapids Mich.

ORCHIDS...
Largest Importers, Exporters, Growers, and Hybridists in the World.
SANDER, St. Albans, Eng.
NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.
heartily. Prof. Collins, Mayor Fletcher, City Forrester Alex. Johnson of the committee on setting out the trees on the most neglected streets all spoke on the good work being done. G. A. J.
OSWEGO, N. Y.—J. B. Knapp of the Riveredge Farm has opened his flower store on Packer avenue for the season. As in the past Mrs. Christine Court-right will have charge.

WE WISH
To Call Your Attention to the Following Stock:
Jerusalem Cherries in flower and fruit, 2½-in., at \$5.00; 3-in., \$10 00; 4-in., \$12.50.
Celestial Peppers, fine lot of 3-in., \$8.00; 4-in., \$12.50.
Cyclamen, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$20.00; 5-in., for Christmas, at \$35 00.
Gloire de Lorraine, 3½-in., will make fine 5-in. for Christmas, 35 cents each. 4-in., 40 cents; 5-in., 50 cents
Fancy Rex, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$25 00.
Flowering Begonias, 2½-in.; \$5.00; 3-in., \$10.00.
Poinsettias, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$15.00; 5-in. stock at 35 cents.
Primroses, Obconica and Chinese, 2½-in., \$5.00; 3-in., \$8 00; 4-in. \$12.50.
Japanese Air Plants, in baskets, at \$1.50; \$2 00 and \$3.00 per dozen.
Green Moss Wreaths, with red, pink and white cape flowers, 10-in., at \$1.50; 12-in., \$2.00; 14-in., \$3.00 per dozen.
Write us ab ut **Hydrangeas,** 2½-in., 3-in., 4-in., 5-in., 6-in., 8-in., and 10-in. in sizes.
Write for our fern list. Special bargains. We shall be glad for a trial order from you.
GEO. A. KUHL,
Wholesale Grower, PEKIN, ILLINOIS

ORCHIDS
We are one of the largest collectors and importers of Orchids, Investigate us.
CARILLO & BALDWIN, Mamaroneck, N. Y.
Mention the American Florist when writing
SMITH'S
Chrysanthemum Manual
4c, prepaid.
ELMER D. SMITH & CO., Adrian, Mich.

HOME AGAIN!

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, looking after the interests of his countless customers, and is as lively and as jolly as ever. **Leader in our specialty, the Araucarias, 8,000 in all sizes now ready; more coming. See us growing. Remember this is our 25th anniversary in importing and shipping Araucarias. Ready for business. Can handle the largest order at short notice.**

LEADER

in

FERNS

Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.



LEADER

in

Begonia Gloire de Lorraine, Kentias, Palms, Rubbers, Etc.

We lead you into wealth.

AZALEA INDICA.

Owing to the cold and wet weather this summer in Belgium and the large demand all over the world, Azaleas this year are very scarce and high in price. But in spite of all that, I want all florists to know that I have just arrived from Europe with the finest cargo of **Azalea Indica** obtainable in Ghent. My grower over there always looks after my interests and has reserved for me the cream of his 200 acre azalea field—my own pick.

When a cigarmaker smokes a cigar, what will he smoke? The worst? No. The fragrant aroma of his production will tell his customers what a fine cigar he makes. So do I. What I force for myself is surely good enough for you, as I send my customers the same kind I force.

Now is the time to force Azaleas for Christmas. What varieties will you take? Which ones will force well? Take my advice. There is the Deutsche Perle one of the best well known double whites; we have plants of these at 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Next, Simon Mardner double bright pink, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Vervaeana is so well known that there is no need to talk about it; big variegated rosy flowers, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Apollo single red varieties; it is a deep pink, much admired, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Dozen and hundred at the same price. How about Mme. Patrick? This is one of the earliest pink varieties, very scarce this year in Belgium and high in price; a few of this variety you must have. Price: \$1.00, \$1.25, \$1.50 to \$2.00.

For Easter forcing we have only the well known standard American market varieties, such as Mme. Van der Cruyssen, pink, very scarce this year in Belgium, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Niobe, double white, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Deutsche Perle, 60c, 75c, \$1.00, \$1.25 to \$1.50; Helene Thielman, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; President Oswald de Kerkove, \$1.00 to \$1.50; Schuyveriana, \$1.00, \$1.50 to \$1.75; Emereuse of India, double variegated, 6 c. 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Professor Wolters, \$1.00 to \$1.50; Vervaeana, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, 60c, 75c, \$1.00 to \$1.25; Simon Mardner, 60c, 75c, \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Rubber Plants, 6 in. pots, 35c, 40c and 50c. Asparagus Plumosus, 2½ in. 3c; 3 in. 5c; 4 in. 10c. Asparagus Sprengeri, 2½ in. 3c. Sago Palms, 6-7 in. pots, from 9 to 13 leaves, 10c per leaf. Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c. Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; and 4 in., 12c. Cyclamen Grandiflora, best strain, 4 in., 15c. Primula Obconica, best strain, 4 in., 10c; 5 in., in bloom 15c; 6 in., 25c. Primula Chinensis, 4 in. pots, \$10.00 per 100. We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity 3½ in. pots, strong \$5.00 per 100. Hydrangea Otaksa, pot grown, 6 in., 25c.

Cash with order, please. All plants must travel at purchaser's risk.

SONG—Welcome Home. Tune: "When Johnny Comes Marching Home Again."

When Aschmann comes sailing home again, hurrah! hurrah!
A warm hearted welcome he'll obtain, hurrah! hurrah!
The florists will gather from far and near
To greet his return with hearty good cheer;
For we'll all be glad when Aschmann comes sailing home.

He has sent us pictures of other lands, hurrah! hurrah!
He never neglects the jolly home band, hurrah! hurrah!
We will go to see the plants he has bought,
To serve us well the best he has sought,
Won't we be pleased when Aschmann comes sailing home?

A glorious sight we shall see this fall, hurrah! hurrah!
The best of Europe for each and all, hurrah! hurrah!
For size and health, for color and price,
We shall hold our breath, they'll look so nice;
We'll hustle and buy when Aschmann comes sailing home.

We hope his journey will pay him well, hurrah! hurrah!
He has bought for us what we may sell, hurrah! hurrah!
So I sing a song with a rich refrain;
We're heartily glad he is home again;
A cheer from all when Aschmann comes sailing home.

(Composed by some of his many florist friends.)

Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money.

Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers 2-3-4-5 years old, 35c, 50c 60c, 75c \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6 in. pots, \$1.00 \$1.25 \$1.50 to \$2.00 each.

Dracaena Bruniata, 22 to 25 in., 25c 40c to 50c.

Latania Borbonica (Chinese Fan Palms), 25 to 30 in., 40c to 50c.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00 \$1.25 \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each 25 in. high.

Kentia Belmoreana, 25 30 35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Begonia Gloire de Lorraine, deep pink, and **Begonia Lonsdale**, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c

Our Ferns this year are exceptionally very fine. **Boston, Scottii, Whitmani** and **Scholzei**, 5½ and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. Remember all our Ferns are pot grown, not lifted from benches

Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Neph. Todeioides, New London Fern 2½ in., 5c; 3 in., 7c.

Special to Close Out: 4 in. **Whitmani** and **Scottii** Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 West Ontario Street,

Philadelphia, Pa.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.
Mention the American Florist when writing

FERNS

2½-in. **Whitmani** and **Amerpohli**, \$5.00 per 100. First class stock ready for shift.

SUPERIOR NURSERY CO.

59th & Compton Sts., LOS ANGELES, CAL.

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our Fall Bulb and Seed Catalogue, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,
342 W. 14th St., NEW YORK CITY.

Mention the American Florist when writing

TRADE LIST

CLEMATIS paniculata, strong plants, \$10.00 per 100.
ASPARAGUS Sprengerii, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.
BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.
STEVIA dwarf, 4½-in. pots, \$1.00 per doz.
CROTONS, from 4-in. pots, \$2.00 per doz.; 3-in. pots \$1.50 per doz.
AMPELOPSIS Veitchii, 4 in. pots, \$10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.
RUBBER PLANTS, 5-in. pots, 25c each; 6-in. pots 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.
BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, \$3.00 per 100.

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11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Carnations Rotted Cuttings

Our Leaders for 1911:

White Wonder,
 Gloriosa,
 Pink Delight,
 Scarlet Glow.

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Fall Price List—200 sorts.

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PALMS, FERNS

AND

Decorative Plants

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Strong, 2½-in. pots, ready to shift. Per 100 Per 1000
Sprengerii, \$2.50 \$22.50
Plumosus Nanus, 3.00 25.00

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Florists and Nurserymen Wholesale Only.
 NEWARK, Wayne County. NEW YORK

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Boston & Whitmani Ferns

From 2, 3 and 4 inch pots, \$3.00, \$6.00 and \$12.50 per 100.
Superolissima, 5-inch 20c; 6-inch, 35c.
Dracena Indivisa, 2½-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.
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Primula Sinensis Fimbriata, pink and red, 3-in. pot plants \$4.00 per 100.

Primula Obconica Grandiflora, pink, red and white 2½ in pot plants, \$2.50 per 100.

Celestial or Christmas Peppers, 4-in. pot plants, \$10.00 per 100.

Nephrolepis Superbissima, Scholzei and Scottii, 5 in. pot plants at \$4.00 per doz.; \$25.00 per 100.

Nephrolepis Whitmani, 5-in. pot plants \$4.00 per doz.; \$25.00 per 100.

Vinca Variegata, field grown, at \$4.00 per 100.

Gladiolus, Blushing Bride and The Bride, 60c. per 100; \$5.00 per 1000.

THE STORRS & HARRISON CO., Painesville, O.

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Hyacinths, 15 centimeters fine bedding stock, colors separate, \$2.25 per 100; \$20.00 per 1000.

Narcissus Von Sion, select forcing stock, single nose \$11.75 per 1000.

Narcissus, Paper White Grandiflora, 13 centimeters and up, \$1.00 per 100; \$9.00 per 1000.

Hyacinths, White Romans, 12-15 centimeters, \$2.00 per 100; \$7.00 per 1000.

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Astilboides, Florabunda \$4.50 per 100; Supra \$6.00 per 100; Blordin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica \$4.00 per 100.

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	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering.....	\$2.60	\$0.50	Chinese, 2½-in. pot.....	\$12.00	\$1.50
Asp. Sprengerii, 2½-in. pots.....		2.00	Obc. Alba and Rosea.....		2.00
Vinca Var., from field.....		4.00	Obc. Gigantea.....		3.00

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Heavy bench plants of **Asparagus Plumosus**, **Asparagus Sprengerii** Boston Ferns and Maiden Hair Ferns, 15c each. Worth 25c to 35c each.

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Asparagus Sprengerii , 2½-in.....	\$3.00
Smilax , 2½-in.	3.00

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 New Castle, Ind.

Mention the American Florist when writing

SMILAX

3-in.....\$40.00 per 1000.

Sprengerii 2-in., \$25.00 per 1000.

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Asparagus Comorensis , 1-yr.-old clumps.....	\$5.00
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Fine stock for dividing up.

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Elegantissima, for 3 in. 6c.; 4 in. 10c; 5-in. 12½c.
Amerpohli, 3 inch 8c; 4 inch. 12c.
Scottii, for 3-in ch 6c.
Paris Daisy, yellow 2-inch, 2c.
Feverfew Gem, 2 inch, 2c.
Ageratum and Salvia, 2 inch, 1½c.
Rubbers, 5-inch, 2c to close out.
Asparagus Sprengerii, 2-inch 2c.
Primula, Officialis Hybrids; Hardy sweet scented cowslip, 2-inch, \$3.00 per 100

PANSIES

Bugnot, Odier and Cassier mixture, \$2.50 per 1000.

PRIMROSES

All 2-in. fine stock.

Obconica Alba, Lilac, Rubra, Hybrida and Rosea, \$2.00 per 100
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Cash with order.

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 Carnations for fall delivery. **Smilax**, Violets

IN BEST VARIETIES.

Prices low. Send for list.

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Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00

500 at 1000 rates. Cash with order.

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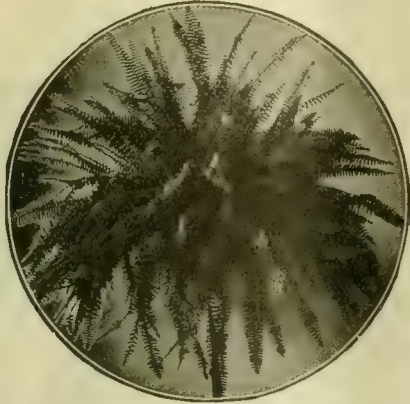
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Pot	Dozen	100
2½-in.	\$ 50	\$ 4 00
3 -in.	1 00	8 00
4 -in.	1 50	12 00
5 -in.	3 00	25 00
6 -in.	6 00	45 00
7 -in.	9 00	70 00
8 -in.	12 00	90 00
9 -in.	15 00	

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Now ready for distribution.

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We offer the following at a very reasonable price:

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Winona, Pink Enchantress.

Hoerber Bros.

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Gov. Herrick Violets

Splendid field-grown clumps, at
\$5.00 per 100, \$40.00 per 1000.

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Awarded a Certificate of
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Good, Healthy Stock.

From 2½-in. pots.....\$4.00 per 100
In 1000 lots..... 3.50 per 100

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Per 100 Per 1000
Gov. Herrick, Princess of Wales, fine
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Primulas, Chinese and Obconica, Cineraria (dwarf), Double Alyssum and Asp. Sprengeri.

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Best varieties.....\$1.00 per 1000; \$7.50 for 10,000

Parsley, double curled\$1.50 per 1000

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Lawson-Enchantress.....	3 50	30 00
Pink Lawson.....	3 50	30 00
Variegated Lawson.....	3 50	30 00
Victory.....	3 50	30 00
Boston Market.....	3 00	25 00
Pink Sport of Armzindy.....	3 00	25 00
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This is all fine stock and satisfaction guaranteed.

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More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

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PAY AFTER BOILER REACHES YOU

Greenhouse Heating

Is a Perplexing Question to all Florists

Except Those Using—

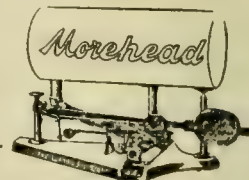
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¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist.

¶ It is further evidence of good management, for the 'Morehead' is an investment in both satisfaction and economy.

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AMPELOPSIS VEITCHII, 2½-in., fine stock, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ampelopsis Veitchii, 4-in., \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Araucaria excelsa glauca and A. robusta compactas. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in. pots, 4 and 5 tiers, \$9.00 per doz.; \$70 per 100; 6-in. pots, 5 tiers, \$12 per doz. Robert Craig Co., 49th and Market Sts., Philadelphia.

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Araucaria excelsa, 5-in., 50c each. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$5 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus Plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. 3-in., \$6.00 per 100. Asparagus Sprengeri, 2½-in., 2c; 3-in., 4c; fine 4-in. stock ready for benching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2-in., \$3 per 100; \$25 per 1,000; 2½-in., \$4.50 per 100; \$40 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengeri, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 3-in., \$4.00; extra heavy, \$5.00; 2½-in., \$2.00 and \$2.50 per 100; seedlings, 75c. Plumosus, 3-in., \$6.00; seedlings, \$2.00 per 100. C. K. Wisner, Toledo, O.

Asparagus plumosus nanus, 2-in., Asparagus Sprengeri, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Elsele, 11 and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Sprengeri, 2-in., \$25 per 1,000. Pöhlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6 in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire de Lorraine, 2½-in., \$2 per doz.; \$15 per 100. Delivery June, 1911. Vaughan's Seed Store, Chicago and New York.

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Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

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Bougainvillea Sanderiana, shapely specimens, \$2.50, \$3.00 and \$3.50 each. Robert Craig Co., 49th and Market Sts., Philadelphia.

BOXWOOD.

Boxwood. Unusually large stock. For varieties and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs. Paper White Grandi, \$8 per 1,000. Empress, dbl. Von Sion or Princes, \$10. Emperor, \$12. Stella Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all kinds. Stokes' Seed Store, 219 Market St., Philadelphia.

Bulbs. E. S. Miller, Wading River, N. Y.

CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company Dept. B, Mesilla Park, N. M.

CANNAS.

Cannas, best vars., clumps, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

Cannas. Chas. Henderson, Austria, field clumps, \$5.00 per 100; \$45 per 1,000. Albert Troth, Cantril, Iowa.

Cannas, fall or winter delivery. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Wlnona	\$6.00	\$50.00
Aristocrat	4.00	35.00

DesPlaines Floral Co., DesPlaines, Ill.

FIELD-GROWN CARNATIONS.

Medium Sized Plants.

	Per 100	Per 1,000
Victory	6.00	59.00
White Lawson	6.00	50.00
Pink Lawson	6.00	50.00

WIETOR BROS.,

51 Wabash Ave., Chicago.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Schelden & Schoos, Asbury and Warren Sts., Evanston, Ill.

Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnations, field grown, write for prices. Vaughan's Seed Store, Chicago and New York.

Carnations. F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CELOSIA.

Celosia Pride of Castle Gould, 7 and 8-in. pots, \$2.50 and \$3 each. Julius Roehrs Co., Rutherford, N. J.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS, hardy, fine pink, yellow, red, field-grown, \$3.50 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Chrysanthemums, hardy pompon, 3-in. pots, \$3.00 per 100; \$25 per 1,000. R. Vincent & Sons Co., White Marsh, Md.

Chrysanthemum, Golden Glow, strong clumps, \$1.50 per 100; \$10 per 1,000. Albert Troth, Cantril, Iowa.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, 2½-in., \$2 per 100; 3-in., \$3 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

Clematis paniculata, \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

COLEUSES.

Coleus. Verschaffeltii, Golden Bedder and fancy assorted, \$2.00 per 100; \$15 per 1,000. The E. G. Hill Co., Richmond, Ind.

Coleus, assorted varieties including Versehaeltii, 2½-in., 2c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons. Including Croton Cronstadtii. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Crotons, 7-in., \$1.25 each; \$12 per doz.; 8-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Crotons, 4-in., \$2 per doz.; 3-in., \$1.50. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen Persicum Giganteum, large flowering, mixed colors; fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Cyclamen. Extra well budded, 3-in., \$7.00; 4-in., \$15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen, finest giant strain, good stocky plants full of buds, 7 colors, mixed, 3-in., 7½c. J. L. Schiller, Toledo, O.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DABLIIAS.

Dablillas, 2,500 field clumps as dug. Best cut flower varieties cheap for cash or exchange. Geo. H. Walker, No. Dighton, Mass.

Dablillas. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dablillas. Pape & Bergman, Quedlinburg, Germany.

Dablillas. Whole field clumps, named, \$5.00 per 100, assorted. Albert Troth, Cantril, Iowa.

Dablillas. clumps, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Giant double daisies, mixed, 30c per 100; \$2 per 1,000. Chas. Frost, Kenilworth, N. J.

DRACENAS.

Dracena Massangeana, Amabilis and Fragrans. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired, and postage if 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1 and 6-in., \$1.75 each. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns from benches. Boston. Elegantisima, 3-in., 60c; 4-in., 10c; 5-in., 12½c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scottil, 3-in. 6c; 4-in., 10c. Runners, Boston. Elegantisima, Scottil, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns. Amerpohl, Todeaoides, Scholzell, Elegantisima improved and compacta, Scottil. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Boston, 2½-in., 5c; 3-in., 8c; Pieris, 2½-in., 4c; Elegantisima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, N. Superbissima, Scholzell, Scottil, 5-in., \$4 per doz.; \$25 per 100. Whitman, 5-in., \$4 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz.; 5-in., \$2. Ferns for dishes, 2½-in., \$3 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Ferns. Heavy plants, Boston. Pieris, Elegantisima, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. Whitman and Boston, 2½-in., \$3.00 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Ferns. Boston and Whitman, 2½-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Roston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, assorted for dishes, 2½-in., (our selection) \$3.50 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrail, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatrail, 463 Summit Ave., West Hoboken, N. J.

Ferns. Whitman and Amerpohl, \$5.00 per 100. Superior Nursery Co., Los Angeles, Calif.

Maidenhair ferns, clumps, 15c each. Dingee & Conard Co., West Grove, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus Pandurata. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ficus, 5-in., 25c, to close out. Byer Bros., Chambersburg, Pa.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, hardy, early flowering, blue. Fine field-grown stock, \$4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GARDENIAS

Gardenia Veltchii, strong plants. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, 20,000 S. A. Nutt, strong rooted cuttings for immediate delivery, \$1.25 per 100; \$12 per 1,000. Cash. The W. F. Buckley Co., Springfield, Ill.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Dansville, Ill.

Geraniums, 3-in., \$3.00 per 100; \$25 per 1,000; 2-in., \$2.00 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt; \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums. Standard varieties, 2½-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; \$10.00, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsomas & Co., 50 W. 28th St., New York.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

BIG BARGAIN in field perennials for cash. Obligated to clear ground. Pink peonies, 4c. Oriental poppy, 3c. Bleeding heart, 4c. Blue Aster, 3c. Coreopsis, 3c. Maranda digma, 3c. Boltonia, 3c. Mums, 4c. Physostegia, 3c. Tall white phlox, 3c. Tall lavender phlox, 3c. Tall pink phlox, 3c. Jacob's ladder, 3c. Pentstemon, 4c. T. H. Trimmer & Son, Cor. W. 23rd and Perry St., Denver, Colo.

Perennials, strong, well rooted, field-grown stock:

Chrysanthemum Maximum.....	100.	1,000.
Coreopsis lanceolata	\$5.00	\$45.00
Dianthus barbatus (sweet william)	4.00	35.00
Gallardia grandiflora	4.00	35.00
Hollyhocks, dbl., red, white and yellow	5.00	45.00
Palmgren's Nurseries, Glenview, Ill.		

IRIS GERMANICA Honorabilis, Atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Virgils, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Hardy Plants. German Iris, named varieties, \$2.00 per 100; \$15 per 1,000. Japan Iris, named, \$6.00 per 100; mixed, \$3.50. H. H. Kern, Bonner Springs, Kansas.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hardy Phlox. 20 best varieties, all colors, one-year field grown plants, \$3.00 per 100; \$27.50 per 1,000. Can deliver at once. The Good & Reese Co., Springfield, O.

Perennials. McHutchison & Co., 17 Murray St., New York.

Herbaceous plants. Bobbink & Atkins, Ruthersford, N. J.

Hardy perennials. Special prices on field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy Plants. Oriental Popples, \$4.00 per 100. H. H. Kern, Bonner Springs, Kansas.

Heliotrope Centiflor, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

New Hydrangea Arborescens Grandiflora Alba, the new forcing Hydrangea, two-year, field grown, \$2.00 per doz; \$14 per 100; \$120 per 1,000. The Good & Reese Co., Springfield, O.

Hydrangea Otalpa, 4-in., pot-grown, 4 to 7 branches, \$12 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IMPATIENS.

Impatiens, Sultani and Holsti Hybrids, mixed colors. R. C., 75c per 100; 2½-in., \$1.50; 3½-in., \$2.00; 4-in., \$3.50. Albert Troth, Cantril, Iowa.

JERUSALEM CHERRIES.

Jerusalem Cherries, heavy field grown plants, full of berries and blossoms, \$8.00 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas. Brunt's Dwarf Bedders, Fancies, in bloom. \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grades of pips grown by Mr. E. Neubert, Wandsbeck, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.50 per 100; \$12 per 1,000; French, \$1.75 per 100; \$13.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

CATALPA TREES WANTED.
We want to buy some Catalpa trees, what have you to offer?

LAWNDALE FLORAL CO.,
3212 W. 22nd St., Chicago.

Nursery stock, *Viburnum plicatum*, *Hydrangea paniculata grandis*, *Altheas*, *Berberis Thunbergii*, California privet, *Clematis paniculata*. See advertisement elsewhere in this issue for varieties and prices. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, 100,000 Rooted tips Himalaya Blackberry, \$6.00 per 100; \$50.00 per 1,000. Spring delivery. Berrydale Experiment Gardens, R. 1, Box 54, Holland, Mich.

Nursery stock, rhododendrons, azaleas, magnolias, conifers, ornamental trees, climbing plants, roses, box and yews, bulbs, etc. L. Gaarkeuken, Hazerswoude, Holland.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery Stock. Large Evergreen trees, Cedars, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Norway spruce, 18 to 24 ins., 5c each; 2 to 3 ft., 7c; 3 to 4 ft., 10c; 4 to 5 ft., 15c. D. T. McCarthy & Sons, Lockport, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, plants, Masterpiece, Bugnot, Mme. Perret, Prize Trimaradeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, open frame grown stock plants, Trimaradeau and Vaughan's giant mixture, 50c per 100; \$4.00 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

80,000 Brown's Improved Giant Prize Pansies, fine stock plants \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Kenilworth strain of Giant Pansies, 50c per 100; \$3 per 1,000. Chas. Frost, Kenilworth, N. J.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel., 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebelenii, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Palms, Young *Ptychosperma Alexandrie*, seedlings in surplus. Make us offer for quantity you need, per 100 or 1,000, postpaid. Royal Palm Nurseries, Oneco, Florida.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms. Phoenix Roebelenii, 8-in. pots, \$30 per doz. 8-in. tubs, \$3.50 each. Robert Craig Co., 49th and Market Sts., Philadelphia.

Palms, Kentia Bel., 2½-in., \$8 per 100; 3-in., \$15; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Pacifica, 11-in. tubs, \$2.50, \$3.00, \$3.50 and \$4.00 each. Robert Craig Co., 49th and Market Sts., Philadelphia.

Pandanus Utilis, superb stock, 8-in. pots, \$18 and \$24 per doz. Robert Craig Co., 49th and Market Sts., Philadelphia.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, leading vars. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PEPPERS.

Christmas peppers, 4-in., \$1.25 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago and New York.

Celestial peppers, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primula obconica grandiflora alba, rosea and laciniata; Chinensis, purpurea flm., alba magnifica, *Kermesia splendens*, pyrope and curulea. To make room for other stock we offer the above, good strong 2-in. plants, at \$1.75 per 100; \$15 per 1,000. Cash. N. E. Beck, Massillon, O.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Rondsduffer and Latnaun's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsduffer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and Obconica, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$12 per 1,000; \$1.50 per 100. Obc. alba, and rosea, \$2 per 100. Obc. gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primula Sizensis Flm., 3-in., \$4 per 100; Obconica Grandi., 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

California privet, 2-yr., 2 to 4 shoots, \$12 per 1,000; 3 to 6 shoots, \$15. Henry Eichholz, Waynesboro, Pa.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacli. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots; White La France, Mme. Abel Chatenay, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Three-year-old Richmond plants from the field, \$8 per 100. Good stock for benching now. C. C. Pollworth Co., Milwaukee.

Roses. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, Etoile, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

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Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford Conn.; East Jordan Mich.; Sister Bay, Wis.

Seeds. Vaughan's giant-flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed for Sale—Lobelia Cardinalis, 1910 crop. Price \$1.50 per oz.; \$20 per lb. John Tiplady, Lake Forest, Ill.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, crimson clover. J. Boigiano & Son, Baltimore, Md.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, flower of all kinds. O. V. Zaugen, Hoboken, N. J.

Seeds. Stokes' standards. 219 Market St., Philadelphia.

Seeds. H. W. Buckbee, Rockford, Ill.

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Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asparagus, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Ronner, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, Sweet peas. Anton Zvolanek, Boundbrook, N. J.

SALVIAS.

Salvia. A. Ragnan, R. C., 50c per 100; 2½-in., \$1.00; 3½-in., \$1.50; 4-in., \$3.00. Albert Troth, Cantril, Iowa.

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Smilax, 2½-in., \$3 per 100. Heller Bros. Co., New Castle, Ind.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

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Smilax. Wood Bros., Fishkill, N. Y.

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Snapdragons, heavy, field-grown plants, all colors assorted, \$5 per 100. Mosback Greenhouse Co., Onarga, Ill.

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Spireas, J. Smits, Ltd., Naarden, Holland.

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Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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Strawberry plants, strong and well rooted stock, August Luther, Pride of Michigan, Brandywine, Senator Dunlap, 60c per 100; \$4 per 1,000. Palmgren's Nurseries, Glenview, Ill.

Strawberry plants. Strong young Senator Dunlap, 50c per 100; \$4.00 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

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Vegetable plants. Cabbage: Wakefield and Succession \$1 per 1,000, 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. H. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

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Grand Rapids lettuce plants, 20c per 100 by mail; \$1 per 1,000 by express. S. J. McMichael, 142 Larkins St., Findlay, O.

VINCAS.

For Sale—3,000 field-grown vinca plants, \$5 per 100; \$45 per 1,000; or \$125 for 3,000. Gus Johnson, 306 E. Springfield Ave., Champaign, Ill.

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Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

Vincas, field-grown, \$4 and \$5 per 100. Orvis, Florist, Elmira, N. Y.

VIOLETS.

2,000 Gov. Herrick Violets, strong plants, 2-in. pots, \$2 per 100; \$15 per 1,000. Shore & Haigh, Evert, Mich.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, Gov. Herrick, splendid field grown clumps, \$5.00 per 100; \$40.00 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, Princess of Wales, field-grown, \$5 per 100. H. Madsen, 395 New Bridge St., West Springfield, Mass.

Violets, field-grown, \$8 per 100. Dingee & Conard Co., West Grove, Pa.

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Deamud Co., J. B., 51 Wabash Ave., Chicago.

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Ford, Wm. P., 45 W. 28th St., New York.

Fromont, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F. Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kessler Bros., 136 W. 28th St., New York.

Knebn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

Lilley, Samuel F., 5 S. Mole St., Philadelphia.

McAllum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Milling, Aug., 41 W. 28th St., New York.

Milling, Chas., 55 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., Pittsburg.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

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Albany, N. Y.—Egryes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

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Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.

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Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.

Cincinnati—Julian Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Henry Smith.

Grand Rapids, Mich.—Eli Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

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Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Montreal—McKenna.

Milwaukee—C. C. Pollworth Co.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—International Floral Assn.

New York—Alex. McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small & Sons.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.

Terre Haute, Ind.—John G. Heisl & Son, 126 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.

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Washington—Gude Bros.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

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Fresh tobacco stems, in bales, 200 lbs., \$1.50;

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Mexican Jumping Beans. The great natural

curiosity; placed in a warm place in show

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Model extension carnation support; galvanized

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Superior carnation staple, 1,000, 50c postpaid.

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The Red Pot. C. C. Pollworth Co. All roads

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Cane Stakes. Standard grade, 6 to 8 feet,

per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per

1,000, \$5. Vaughan's Seed Store, Chicago.

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Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

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are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful free catalog No. 72 which shows refrigerators for florists, both stock and built-to-order in all sizes and styles.

McCRAY REFRIGERATOR CO.,
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Nashville.

The flower supply is not so plentiful as it might be, and a great many carnations and even roses are being shipped in from other places. Trade is good, however, in spite of a tight money market, of which many are complaining, and a slowness of collections. Chrysanthemums are coming in nicely now and there is a good demand. Violets are beginning to come but not so long-stemmed as they will be when the weather gets cooler. We are having fine weather. There has been no frost as yet, kept off by the dry spell, and all the growers have had ample opportunity to prepare for frost and cold weather.

NOTES.

McIntyre Bros. have their place in ship shape for the winter. Their fine range of houses are in neat and orderly condition, and roses, chrysanthemums and carnations have healthy foliage and growth and will produce fine flowers later in the season, though shy of blooms just at the present. They grow no American Beauties, but have a fine prospect for Richmond, Bridesmaid and Killarney and a few white varieties. Their houses are full and they are very crowded for room and will soon erect more houses for which the material is already on hand. To help relieve the situation and make more room they have built cold frames for bedding stock and such plants as do not require much heat. Their stock of poinsettias is fine, and they have always had fine sales on these bright blossoms. Coming on in splendid condition is a bench full of Gloire de Lorraine begonias that are unsurpassed and will fully repay the care given them. Another good pot plant, beautiful for the table or house, is the celestial pepper, of which they a fine lot. They are growing some stuff at the new place on the Tennessee Central railroad, but will not improve extensively there for the present. The need of those florists in or near the city limits is for more room, and they are getting out where the air is better, and more favorable to plant life and where they can grow.

Arnold Schmidt, who is in the heart of Waverly, a suburb, wants to move out further where land is not so valuable and more of it can be had. Mr. Schmidt has a fine lot of chrysanthemums and other flowers but he will not continue to grow flowers to any great extent, but will turn his attention more and more to fancy early vegetables. He has lettuce the year round and is now marketing lettuce, radishes and egg-plant. He has six houses 75x300 feet in lettuce containing 10,000

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King houses are reasonable in cost and truly economical, for they are lasting, and easy of maintenance, and relieve the mind in time of storm.

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CHICAGO.

plants. One house is kept full of young plants all the time, and as fast as one crop is cut other plants are put in, and the succession continues until the early spring, when the houses are planted to cucumbers, a very profitable

crop. The cucumbers continue until the latter part of August when they are torn out and the houses given a rest until the lettuce is again put in them in about two months' time.

M. C. D.

HEATING PLANTS

Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

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Te. Monroe 5616.

Tacoma, Wash.

The past week has been one of dark days and almost record rainfall. Dahlias and roses are still very beautiful. Carnations are very scarce and will be for some time. Business is very good among the florists, who are looking for one of the best seasons.

NOTES.

S. L. Harper has taken the management of the large range of glass on Vashon Island, owned by J. L. Perry. He has secured a fine lot of excellent roots of *Hydrastis Canadensis* and will try to develop a new industry.

Just one florist left in the public market now. Mrs. Watson holds the fort. Mr. Watson has the Wapoto Lake greenhouses and will grow for the store.

Mr. Lowe, manager for E. R. Wheeler, has taken room No. 908, Tacoma Theater building, where a new store is being opened.

Northwestern Floral Co. will open a cut flower store in the Pantages Theater building, on Pacific avenue.

F. C. Smith, South Fifty-sixth street, has a very good local retail trade.

S. L. H.

INDIANAPOLIS, IND.—The State Florists' Association met at the State House Oct. 4 and considered business affairs of the flower show which will be held in Tomlinson Hall November 8-12. Committees were appointed with the following chairmen: Exhibition, John Rieman; flower booth, Charles Pahud; entertainment, F. S. Smith; press, Herman Junge. John Rieman will be superintendent of the exhibition and George Wiegard will design the decorations.



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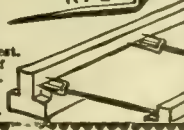
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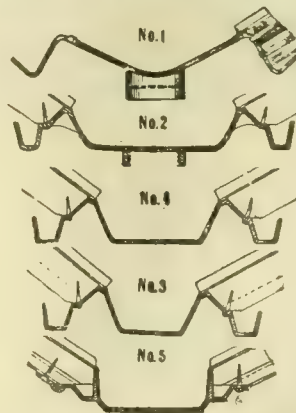
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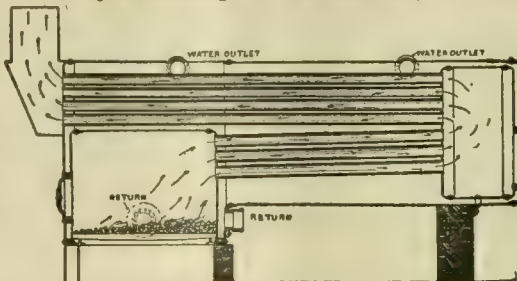
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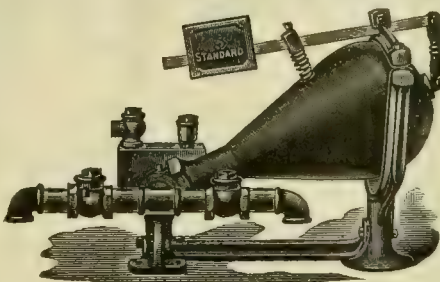
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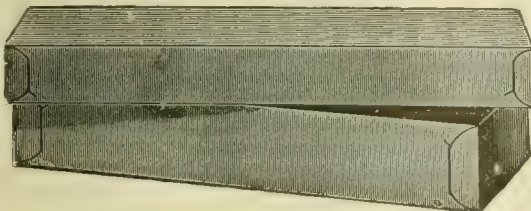


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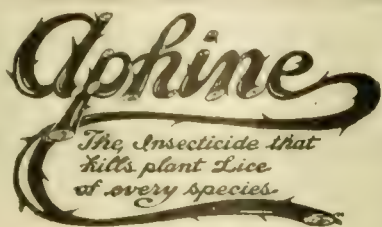
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Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worm, Ants and Sugs.

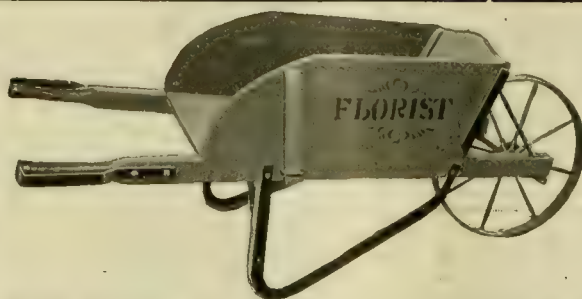
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DULUTH, MINN.—The Superior Floral Co. are building two greenhouses, 20x100 feet, and are planning the erection of two more.

MANCHESTER, MASS.—The partnership heretofore existing between Magnuson and Hylen has been dissolved by mutual consent. Mr. Magnuson will continue the business at this place and Mr. Hylen has purchased a large wholesale florists' establishment at Randolph, including half a dozen greenhouses, dwelling, stable, etc. He moved his family October 5.



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A WHEELBARROW
CONSTRUCTED
ESPECIALLY FOR

FLORISTS and GARDENERS.

AFTER conferring with some of the leading florists, we have produced a barrow, shown above, which we believe will fill a long felt want, and call your special attention to the following features: Built to be used in the narrow aisles in greenhouses. Handle guards to protect the users knuckles. Angle iron legs and sockets for side boards. Our patented 'Never Break' Wheels. We are in a position to ship promptly upon receipt of your order, which we solicit herewith at \$4.00 each, f. o. b. cars Toledo. Please send check with order. If not as represented money refunded.

DIMENSION:—Handles 1 1/2 x 2 x 59 in. Width inside, in front 15 1/2 in. Width inside, at handles 18 1/2 in. Extreme width including handle guards 24 in. 20 in. Wheel.

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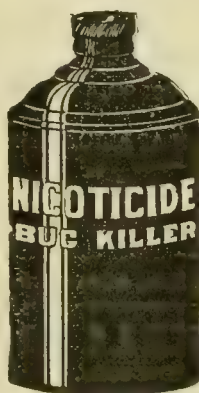
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

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black ones too

are easy to kill with
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\$3.00 per bag 100 lbs.

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Evergreen Brand Flower Fertilizer

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America is "the Frow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, NOVEMBER 5, 1910.

No. 1170

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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under act of March 3, 1879.

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American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
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Boston, Mass., March, 1911. FRED. BURKE,
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Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
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Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Gladiolus.

In the spring of the year there is always demand for some flower that is a little novel, that is, one that the buyers have not seen all the winter, and the Gladiolus Colvellei makes a beautiful addition to the flowers at that season, serving either as a cut flower or in made-up work. The bulbs are cheap and occupy but little space and even if all do not sell, they amply repay for the cost of both bulbs and care. They can be procured in white and different shades of pink, and can now be purchased of any of the large bulb importers. They should be planted in boxes and as the foliage is very small can be set very close together, two inches apart being plenty of room between the bulbs. They should be placed in dark, cool quarters until the roots are formed and should then be given a location in a light, warm house. If in a temperature of 60° at night, they will be in bloom in April and May, and if grown cooler the season may be extended until June. Some growers plant these bulbs between the rows of carnations and flower them there. While we do not advocate this method, yet they make but little shade and come into bloom after the main crop of carnations has been picked.

Antirrhinums.

The beautiful sprays of antirrhinums have been a very valuable addition to the winter flowers and are grown extensively for all the larger markets. They make a very nice crop to follow the chrysanthemums, but if this practice is followed it is far better to remove about half the soil in which the chrysanthemums have been growing, and fill the bench up with a good compost. They are very strong growers and if the long, elegant spikes are desired the soil should be very rich. The plants that are intended for this purpose should now be in two and a half inch pots and growing nicely and should be planted into the benches as early as possible. They should be

staked and tied to keep them erect as fast as they grow, for if they are allowed to bend over the tips immediately start to grow erect and the stem becomes crooked. The white variety is the best and in most demand, but the yellow is also very popular, especially for table decorations and functions of all kinds. There is a very beautiful pink variety that is well liked in some markets but the reds and mixed colors are in but small demand. If the plants are grown from seed there are sure to be some plants that give a superior flower, or bloom much earlier than the others; these should be selected to make cuttings from and the stock for next year rooted and thereby obtaining a strain that is far better than that grown from any seed that can be purchased.

Lily of the Valley.

The importations of lily of the valley will soon begin to arrive, but if it is desired to force any of this beautiful little flower before the first of the year it is far better to purchase cold storage stock than to try to depend upon the fresh importations. While some growers claim that they get good results from the latter, yet the best growers nearly all say that the loss is too great to make it profitable and depend entirely upon the pips that have been in cold storage. If it is intended to grow a few pots for the holiday trade it is best to procure a supply of cold storage pips, cut off the bottom roots so that they will not be more than five inches in length, and plant closely in a six-inch pot in clear sand, from 18 to 25 in a pot. Fix a place where, by enclosing the steam pipes, a bottom heat of 80° to 90° can be maintained, with a sash or covering that can be raised to give ventilation and carry a temperature at least 10° lower and over this sash place covering of dark colored canvas or similar material and place the pots in the frame. The sand should be kept well saturated with water and where there

Autumn Number
Issued Next Week
Send Advs. Early.

is danger of the bottom heat receding with warm water. The pips should bloom in about three weeks and after the buds make their appearance be careful not to wet them, or they will spot. When the lower bells begin to open, the pots can be taken out of the enclosure and placed in a warm house in the sun that the foliage may assume a good natural color, but be careful not to place them where cool drafts will reach them.

Carnations.

The laborious work in the carnation houses is now finished and the work from now on is to keep the stock in a good, healthy, growing condition and picking the crop. Keep the young growths within their enclosures, and the beds free from all weeds and litter of any kind. It is early yet to begin feeding of any kind, but the early propagation should begin at once. In taking the cuttings, try and select the best. As we wrote some weeks ago in regard to chrysanthemums the vigor and constitution of the plants depend upon the selection of the cuttings and instead of taking every cutting that can be obtained select the plants that are producing exceptionally fine blooms and keep these cuttings by themselves and endeavor to build up a superior strain of a variety. While the growing of carnations from seed is "a snare and delusion" to a certain extent, yet a little play mixed into business relieves the monotony and a few blooms cross-fertilized now when pollen can be obtained will mature its seed soon after the beginning of the year and if then planted will take up but little room and will give plants that can be bloomed in the ground during the summer, and our experience has been that seed obtained when the plants are young and vigorous, gives stronger plants than seed that is cross-fertilized and gathered in the spring.

Callas.

The bulbs that were planted direct into benches in the late summer should now be in fine growth and beginning to produce flower buds. The calla likes plenty of heat and naturally grows in a wet, well-drained soil and requires



TABLE DECORATION OF ROSES AND ADIANTUM.

By Bohannon Floral Co., Chicago.

plenty of water. Those that were started in five or six-inch pots will now need a shift to larger pots or planted in a bench. The latter method will give the larger flowers, but in our experience the pot callas will, unless they get starved, produce the most blooms. If they are placed in the benches in which the chrysanthemums were grown, remove about half the soil and replenish with new compost, and if they are in pots and going to stand on this soil remove all but about an inch, or better still, remove it all and spread a layer of ashes or sand about an inch thick over the bench. To leave all the soil in the bench and place pots upon it only tends to get the old soil in a sour, soggy condition, that is detrimental to the plants standing upon it. All kinds of plants will grow much better if standing on a bed of sifted ashes.

THE RETAIL TRADE

IN the illustrated note entitled "A McCray Refrigerator" in our Retail Trade Department last week the address of the McCray Refrigerator Co. was inadvertently given as Kendallville, Ky., when it should have been Kendallville, Ind.

Table Decorations.

There is no better opportunity for the florist to exercise his originality and artistic temperament than in the arranging of the many table decorations that society demands during the winter season. This work is capable of being handled in so many different ways and shapes that it gives the designer a beautiful chance to not only please his customer but also make a most decided impression upon any one who chances to observe it. If possible, the florist should see the room or hall in which the table is to be arranged, and choose the flower, or at any rate the color, that will harmonize with the walls and fittings of the room. It is very possible that the customer will desire some certain color that may not be at all appropriate, and the florist must use all the diplomacy at his command, and fully explain how much more handsome some other arrangement will be.

But few general rules are to be followed, but there is one thing that should be always borne in mind, especially if the table is small and the guests are to be seated, that is, the arrangement of the flowers should be such as not to conceal the view across the table. If baskets are to be used for center pieces, they should be arranged low enough to allow those seated at the table to look over them, and if vases of long stemmed roses or other flowers are used they should stand high enough to look under them without having to move the head to converse across the table. In large



DINNER TABLE DECORATION OF SINGLE CHRYSANTHEMUMS.



TABLE DECORATION, POMPON CHRYSANTHEMUMS AND PLANTS OF PANDANUS.

tables this is not so necessary, but still it should always be taken into consideration. Large tables are capable of very startling effects, both in color and designs and as they are generally held in large dining halls in hotels the backgrounds are invariably in light colors or in single tones, and the choice of colors is not so much restricted but in the smaller decorations in the private homes and especially on tables of ten or less covers, the designer must be very much more careful. If the fittings of the room are dark, white, with plenty of beautiful greens, should be the selection, and where the dining hall is furnished in light colors, darker shades that will harmonize may be chosen. Very often, where the furnishings are very elaborate, the simpler flowers are more effective. We remember once seeing a table, that was in such surroundings, being decorated very simply with Garza chrysanthemums, and the boutonnières and corsages were of gardenias, the simplicity of the arrangement in the dark heavy surroundings was fully appreciated at once.

Handsome greens are always necessary to make a proper setting for the flowers, no matter what may be chosen and should always be selected with care and fitness to the flower that is to be used. A beautiful plant or cluster of plants can often be made very effective, but the whole matter of a table decoration depends so much upon its surroundings and the taste and personality not only of the designer but of the patron, that it is very difficult to make any hard and fast rules to govern them. Where more than one variety of flowers is to be used, those that appropriately mingle should be chosen. If exotics are to be used for the bouquets some choice or very simple flowers should be chosen for the center piece. Our illustrations show some very beautiful and effective arrangements of this class of work.

BURLINGTON, VT.—Mrs. C. E. Gore of Shelburne road will open a flower store on Main street.

A Hallowe'en Window.

H. R. Hughes, 1859 Van Buren street, Chicago, whose original and unique window displays have acquired such widespread notoriety, has this fall had a very effective window display entitled "Down on the Farm," in which the farm implements and products were nicely arranged and with the accompanying live stock of hens and ducks and two young porkers whose sportive ways caused considerable amusement to the admiring crowds that enjoyed the display. The store was handsomely decorated with boughs of autumn foliage, giving a country effect.

On October 31, he gave the children a Hallowe'en party. The illustration which we publish was one which Mr. Hughes issued upon a card on the back of which was the following story, entitled "The Witch of Hallowe'en":

"A long, long, time ago—more than a thousand years—there was a little village in the North of England, just on

the edge of a great forest. In the forest there was said to live an old witch who caused the people of the village much trouble by the tricks she played upon them.

"Sometimes she bewitched their horses or cattle and caused them to do all sorts of peculiar things, and once in a while some man or woman felt her influence and wandered off into the forest, never to be seen again.

"Now, one time this old witch decided upon a very terrible thing—to bewitch all the children of the village and lead them away far into the forest, where she would teach them witchcraft. So she flew around over the village one night, making signs over each house that had a child in it, and the next day, one by one, the children all slipped away into the big forest.

"The first thing the witch did, when the children were all in the wood, was to instantly turn them all into imps. Then she led them far into the thickest part of the forest, where the pot in which she brewed her witchcraft was always steaming and boiling, and set them to dancing around her, while she stirred her brew of witchcraft and prepared to teach them to do her evil work.

"You can imagine the grief and terror of the poor people of the village when they realized that their children were gone. Each mother supposed her own children were at a neighbor's house, until evening came on and none of them returned. Then everyone knew that the children must have gone into the forest, and that they would not have gone except at the call of the witch.

"Just about this time, however, a little fairy happened along, and, seeing what was taking place in the forest, waved her wand and drove the witch away. She then turned the imps back into children and sent them home to their parents."

In the evening the store was entirely cleared, and in one corner the witch, with the boiling pot hanging from the tripod and with fitting surroundings was located. The windows were decorated with jack o' lanterns and other Hallowe'en paraphernalia. A children's party from 8 to 10 o'clock was given by Mr. Hughes to some 50 children who enacted the story as told



TABLE DECORATION, LILY OF THE VALLEY ON TABLE AND FOR BOUQUETS.

upon the card and then enjoyed the balance of the evening in dancing. An orchestra and refreshments were provided for their benefit. The sidewalk and street in front of the store was so crowded with spectators watching the children and display that an officer was necessary to keep a passageway open for the teams and pedestrians.

WITH THE GROWERS

J. A. Budlong, Chicago.

About a half hour's ride in the electric from the center of the city in the district called Bowmanville are a number of growers of flowers for the wholesale flower market, and prominent among these is the large range of houses of J. A. Budlong. Among growers, both in the east and the west, the name of Budlong has long been associated with those who have been interested in producing crops under glass, early in the production of vegetables, but later in the growing of the more beautiful products of nature, flowers. This plant was started some thirty years ago by the late J. A. Budlong, and as has been stated, for the first few years was devoted to the growth of vegetables, but since the cultivation of flowers has been undertaken has been continually enlarged until it now ranks as one of the largest ranges of glass in the city. The larger part of the range is devoted to roses, and they are in prime condition. The Richmonds are carrying stems that vie with the American Beauties and a very promising crop for the holidays is assured. The Killarneys are now making their breaks for the winter production and the fine red foliage which this variety produces when growing luxuriantly is a sight well worth seeing. The American Beauties are in very fine condition, their long canes bearing luxuriant foliage. Other varieties which are in the pink of condition are My Maryland, Bridesmaid, Bride, Mrs. Marshall Field and Kaiserin Augusta Victoria, and give promise of a fine crop of excellent quality through the coming winter. A range of nine houses devoted to carnations were showing very fine growth and the flowers were of very high grade. White Perfection is a favorite and as it looked on our visit it well deserves the reputation for the plants were of splendid growth and very productive of excellent blooms. Other varieties noted were Enchantress, Pink Enchantress, Victory, O. P. Bassett Aristocrat, Afterglow, Winsor and Mrs. T. W. Lawson. They were all in splendid condition and an exceptionally heavy crop is pre-

dicted. One large house of chrysanthemums is a beautiful sight and producing a very fine grade of blooms of marketable sizes. All of the best commercial varieties are here to be found and a yellow Mdle. Clementine Tousez which sported here is grown in large quantities and meets with ready demand.

The manner of making and distributing the immense quantity of liquid manure in such an establishment as this is very interesting and economical and dispenses with a great deal of the laborious work which is ordinarily incumbent upon this necessary operation. A large wooden vat is built in the building in the center of the range, and into this the fresh

where it drops to the ground and is carted away, but the screen and force of water has so thoroughly washed out the stronger part that this residue is but a very small proportion of the original bulk of manure. When the liquid passes through the screen it runs into a large circular concrete vat, which is sunk into the ground, and from there pumped through pipes into the houses. After this vat has been emptied, a steam jet raises any sediment that may have settled at the bottom, and carries it back to the manure vat. The manuring capacity of this arrangement is unlimited, for, with two men, one to watch the large manure vat and the other to remove the residue, twelve houses can be furnished with manure water at the same time. Another very interesting accessory was the original soil or sod pulverizer, which tears and breaks and mixes with manure the large quantities of soil which are necessary in a greenhouse plant of this size.

The greenhouses are under the charge of A. H. Budlong, and the fine condition of all the stock is a fitting testimonial of his ability, and the product is marketed at the store, 37-39 Randolph street, where the amiable manager, Philip Shupp, watches the disposition of the immense output of this establishment.

Robert Scott & Son, Sharon Hill, Pa.

This well known firm has a long and honorable record for successful work in growing roses for cut flowers and in disseminating new varieties. Their work along these lines in the past is well known to the trade, so this article will deal mainly with their present enterprises.

During a few hours recently spent with Alexander Scott, who is the moving spirit of this firm, and a very active one at that, we were much impressed with the scope and extent of his work. As is generally known, this firm handles exclusively in this country the new rose production of Alexander Dickson & Sons, of Newtownards, Ireland. The name of Dickson and Hawlmark roses are synonymous, and when it is announced that Mr. Scott has received something new from them, all rose growers are interested.

Early in the coming year Mr. Scott will begin to disseminate the new yellow rose, Melody, a Dickson production. This is the finest yellow rose we have ever seen. Though none of the large stock now seen at the Scott range was planted earlier than the middle of June, and much of it as late as July 1, it has made wonderful growth and its productiveness is well established. The buds are large and the beautiful shading of the petals can



H. R. Hughes' Hallowe'en Card.

cow manure is thrown direct from the cart, the water is turned on and when thoroughly mixed the lower gate is opened and the mixture rushes out into a cylindrical screen about 10 feet long and three feet in diameter. This is constantly rotated by a water motor, the water from which, after furnishing the necessary power, is piped to the large manure vat. Inside the rotating screen is a spiral screw about three inches wide, made of wood, and as the cylinder revolves the residue is slowly turned toward the opening of the screen,



VIEW OF J. A. BUDLONG'S GREENHOUSES, CHICAGO.

only be fully appreciated when seen. Its foliage is a glossy green and is absolutely mildew-proof. Grown in the fields of Ireland, it is said of it that, among many varieties, it is the only one that has never shown a touch of mildew. It likes a cool temperature, about 58, and is decidedly a rose for winter forcing. The pink double sport of Killarney will also be disseminated from this range early in 1911. It sported in the Scott range and a large stock has been rapidly worked up. It is a shade lighter in color than

general appearance similar to the old and well known Morehead Return Steam Trap. In detail, however, the condenser trap differs from the return trap in the addition of a cold water connection made through a flexible tube with the tank of the trap. The flexible connection terminates in a perforated pipe inside of and running the length of the trap tank. In short, the condenser trap is nothing more or less than a combination of the principles of the jet condenser and the Morehead Automatic Return Steam Trap. Con-

the condensation from the return lines and the condensing water fills the tank, the latter tilts, opening the live steam valve allowing the steam pressure to enter and discharge the water contents into a return steam trap above the boiler or into an open heater. As soon as the water is discharged, the tank, containing the steam which is left after the water is discharged, resumes a horizontal or filling position. The tank returning to its horizontal position automatically opens the control valve on the cold water in-let and allows the cold water spray to come in contact with the live steam contained in the tank. This cold water condenses the steam and forms a vacuum in the tank of the trap which in turn performs the usual functions of created vacuum in heating systems of pulling the condensation from the lines to be drained. The cold water supply is furnished either from city water works or a tank or any other source that is available for that purpose. Particular attention is called to the fact that a surprisingly small amount of water is required in the condensing process.

A receiver is always used in connection with the condenser trap, the water seal in the receiver taking the place of thermostatic valves on the heating system. The condenser trap is used as the lower trap, taking the place of the return trap in the Morehead standard double trap installation, the lower or condenser trap discharging to the return trap placed above the boiler.

Greenhouse Heating.

ED. AMERICAN FLORIST:

I have two houses heated with hot water, one planted to lettuce and the other to carnations. The benches are three feet high and the pipes one foot from the ground. Would I obtain better results if the pipes were raised above the benches?

W. S.

The question does not state the nature of the difficulty or the reason for the proposed change. It is always desirable to have a portion of the radiation under the benches, and one of the principal reasons for running the pipes overhead is to improve the circulation. If "W. S." will furnish a plan and description of his piping it will be possible to give a definite answer.

L. R. T.

Killarney and much more double, with large buds and is as free a bloomer as the parent.

On returning recently from a six week's stay in Ireland, Mr. Scott brought back forty-two new varieties of roses for testing, and he is now erecting a new house 16x160 feet to be used exclusively for testing purposes. The King Construction Co. have just completed for him another new house 50x145 feet, which will be used for pot stock. Of the 200,000 square feet of glass in this range a part of it shelters 22,000 plants of Killarney roses in one block. There are three large houses of My Maryland, two of Mrs. Jardine and two of Kaiserin Augusta Victoria in addition to the large area planted with the new productions previously mentioned. There are six houses of gardenias and we have never seen finer stock. Three of these houses are 18x200 feet and three are 18x100 feet. The whole place is admirably fitted up; large vats of concrete, in which the manure water is prepared and screened, being noteworthy. Twenty-five hundred tons of coal are burned in a season.

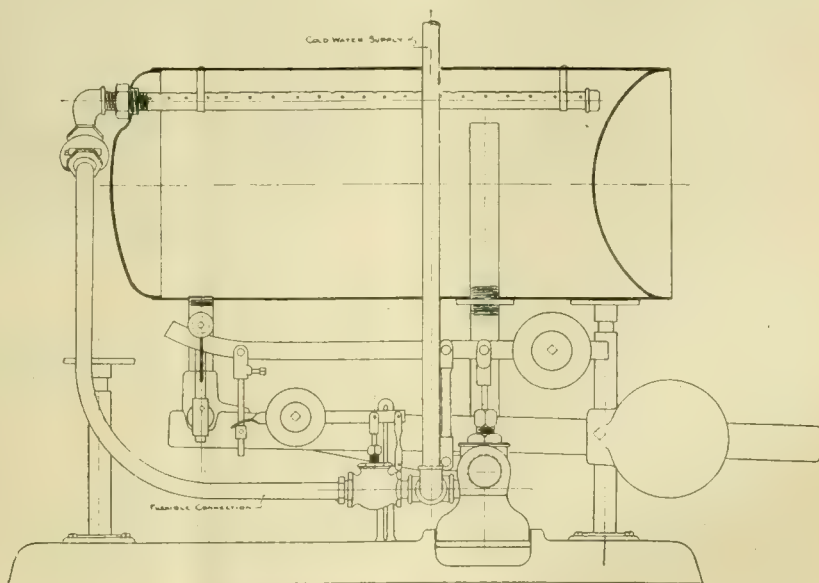
The Morehead Condenser Trap.

A new method of draining exhaust steam and reduced pressure heating systems of both water and air, and with the same agent create a vacuum to insure positive and rapid circulation, has been devised, patented and put into successful operation by the Morehead Manufacturing Co., of Detroit, Michigan.

The new device is known as the Morehead Condenser Trap and is in

nected to the return line of vacuum heating systems where a difference of pressure is maintained between the ends of the system the line condensation and accumulating air is taken into the tank of the condenser trap as in the case of the return trap, but with the added pulling power of the vacuum created in the tank of the condenser trap.

When the steam is turned on in the heating system, the various lines of which are full of air, the cold water supply valve as shown in the sectional view of the trap is opened slightly. As



THE MOREHEAD CONDENSER TRAP.

CARNATION WHITE PERFECTION AT J. A. BUDLONG'S, CHICAGO.

Two New Roses.

The E. G. Hill Co., of Richmond, Ind., had on exhibition in Chicago, October 29, two roses that promise to be valuable additions to the varieties now under cultivation.

Rose Queen is a very beautiful flower of intense rose pink with yellow shadings at the base of the petals; it is so vivid as to be startling, reminding one of the color found in a perfect Caroline Testout, leaving nothing in the coloring to be desired. One of its strong points is its constancy of color, for it does not fade under the brightest sun nor turn toward blue with age. In form and size it is magnificent, the bud being long and shapely and very nicely pointed. E. G. Hill, who brought the blooms to this city, says of this variety that it is a very rapid grower with long stiff stems clothed with ample handsome foliage and produces bottom breaks very freely, and is quite free from both mildew and black spot, having an exceptionally fine healthy constitution and one with which any average grower will have no trouble in producing high-grade blooms.

Sunburst is a handsome yellow rose, the bud is of very good size and of beautiful shape. The color grades from a light yellow on the outer edge of the petal to a bright yellow and then to a coppery yellow at the base, making a very pleasing combination. The stems are exceptionally strong and straight and for a yellow very long, with very bright luxuriant foliage.

The Horticultural Society of New York.

The fall exhibition of this society will take place on November 9-13 at the American Museum of Natural History. Indications are for a large and interesting exhibition. Those who have exhibited here before know of the exceptional advantages offered at this institution for the display of exhibits, and of the ample space which can be allotted to each exhibitor. To those who contemplate exhibiting for the first time, it may be said that in this great building there is an abundance of room for all to make as large and effective an exhibit as they may desire. The floors are of stone, the ceilings high, the ventilation good, and the light, both day and night, excellent, all explaining the wonderful keeping qualities of the flowers noted by all visiting these exhibitions in the past. Each specimen can be given plenty of room, so that its beauties may be shown to the best advantage. Nothing destroys the beauty and artistic appearance of a fine specimen so much as crowding, trying to force a lot of material into small and cramped quarters. To appreciate the beauty of a specimen its individuality must appear. Then, too, the external surroundings of the American Museum, its location in one of the finest residential sections of the city, and its ease of access by numerous transit lines, appeal to all who have visited this Museum, one of the largest and finest devoted to natural history in the world.

Dutchess County Horticultural Society.

The sixteenth annual exhibition of the Dutchess Co. Horticultural Society was held in the state armory October 27. The display of orchids occupied a conspicuous place and were very extensive. Cedars were placed along the walls to make a background for the beautiful exhibits. The awards are as follows:

Chrysanthemums.

Chrysanthemums in pots, best 12 plants, distinct varieties.—William P. Clyde, New Hamburg (H. J. Osterhoudt, gardener), first; Archibald Rogers, Hyde Park (Thomas Conner, gardener), second.

Best six plants, six varieties, single.—W. P. Clyde, first.

Best group of ornamental and flowering plants, arranged for effect.—Saltford Flower Shop, first; Archibald Rogers, second.

Group of ornamental foliage plants, arranged for effect.—Archibald Rogers, first.

Group of Japanese chrysanthemums in pots to occupy 75 square feet.—Archibald Rogers, first.

Group of single chrysanthemums in pots, to occupy 75 square feet.—G. I. Hoyt, Staatsburgh (David Harrison, gardener), first.

Table of decorative foliage plants.—W. P. Clyde, first.

Specimen plant, asparagus, any variety.—Archibald Rogers, first.

Thirty blooms of chrysanthemums, six varieties.—Ogden Mills, Staatsburgh (James Blair, gardener), first; F. W. Vanderbilt, Hyde Park (H. J. Allen, gardener), second.

Six blooms, distinct varieties.—Ogden Mills, first; Osborne estate, Garrison (William Inglis, gardener), second.

Six vases, single chrysanthemums, 6 varieties.—W. P. Clyde, first; Osborne estate, second.

Cut Roses.

Collection of roses, three varieties, twelve each.—Valentine Burgevin's Sons, Kingston, first; F. W. Vanderbilt, second.

Twelve pink roses.—Burgevin's Sons, first; G. I. Hoyt, second.

Twelve white roses.—Stuyvesant Fish, first; F. W. Vanderbilt, second.

Twelve crimson roses.—F. W. Vanderbilt, first; Burgevin's Sons, second.

Carnations.

Twenty-five light pink carnations.—Burgevin's Sons, first; Ogden Mills, second.



NEW ROSE — SUNBURST.

Twelve blooms, white.—Mrs. J. D. Wing, Millbrook (Philip Bovington, gardener), first; Levi P. Morton, Rhinecliff (W. D. Robertson, gardener), second.

Twelve blooms, any color.—Levi P. Morton, first.

Six blooms, white.—Levi P. Morton, first; Stuyvesant Fish, Garrison (William McDean, gardener), second.

Six blooms, pink.—Stuyvesant Fish, first.

Six blooms, yellow.—Stuyvesant Fish, first; Levi P. Morton, second.

Six blooms, crimson.—Stuyvesant Fish, first.

Twenty-four blooms, distinct varieties, with stems 12 inches in length.—F. W. Vanderbilt, first; Mrs. J. D. Wing, second.

Twelve blooms, distinct varieties, with stems 12 inches in length.—F. W. Vanderbilt, first; Mrs. J. D. Wing, second.

Twenty-five red carnations.—Ben Willig, Poughkeepsie, first; Burgevin's Sons, second.

Twenty-five variegated carnations.—Saltford Flower Shop, first.

Twenty-five crimson carnations.—F. W. Vanderbilt, first; Saltford Flower Shop, second.

Twenty-five white carnations.—Ben Willig, first; Burgevin's Sons, second.

Twenty-four blooms, three varieties.—F. R. Newbold, Poughkeepsie (Fred Saenger, gardener), first; F. W. Vanderbilt, second.

Specials.

William P. Clyde prize, thirty-six blooms of chrysanthemums, twelve varieties.—F. W. Vanderbilt, first; Ogden Mills, second.

Mrs. Archibald Rogers prize, best twenty American Beauty roses.—F. W. Vanderbilt, first; Gerald L. Hoyt, second.

Irving Grinnell prize, for best arranged basket of chrysanthemums.—G. L. Hoyt, first.

Frank B. Lown prize, for best six plants Begonia Gloire de Lorraine.—Saltford Flower Shop, first; Mrs. J. D. Wing, second.

Mrs. Andrew C. Zabriskie prize, best twelve blooms White Killarney rose.—Burgevin's Sons, first; R. F. Newbold, second.

Winthrop Sargeant prize, for vase of twenty-five chrysanthemums, arranged for effect.—N. H. Cottam, Wappingers Falls, first.

Charles Mitchell prize, for best 100 double blue violets.—Ben Willig, first; Ogden Mills, second.

C. J. Reynolds prize, for private gardeners, fifty double blue violets in one bunch.—F. W. Vanderbilt, first; Archibald Rogers, second.

Julius Roehrs Co. prize, for best table of orchids and ferns in pots or pans.—F. W. Vanderbilt, first.

Arthur T. Boddington's prize, for twenty-five named varieties of vegetables.—F. W. Vanderbilt, first; G. L. Hoyt, second.

Nassau County Horticultural Society.

The annual fall show was held in Pembroke Hall, Glen Cove, Oct. 27-28. Chrysanthemums, of course, were the main feature, but what was noticeable all through the show was the interest taken by all visitors to the fine display of outdoor flowers. While the big monsters were greatly admired they only received a casual glance compared to the time devoted in looking over the different classes of outdoor flowers and single chrysanthemums, especially. Those last named are growing in favor every year, and as for outdoor grown chrysanthemums, a prominent Glen Cove lady said that if such fine flowers could be grown outside they could almost do without glass. A fine exhibit of pot grown dahlias shown by H. F. Matz, Glen Cove, was greatly admired. If plants in pots can be grown as successfully as those exhibited, dahlias have a great future in that line. Chrysanthemums were extra fine, and competition keen; in fact, I doubt if better blooms will be seen at any show this season. The judges were W. Turner, J. F. Huss and W. Scott.

Twenty-five carnations for commercial growers.—Chas. Webber, Rockville Centre, first; H. Matz, second.

Violets, single.—I. Reidenbach, first; double, H. Gant, first.

Best centrepiece.—J. Quinlan Roslyn, first; H. Gant, second.

F. Petrocchia was heaviest winner in the vegetable class. Others were R. Marshall, I. Reidenbach, I. F. Johnston, F. Johnson, F. Barton, V. Cleres, P. Reul, I. McDonald, S. J. Treppes. Collection outdoor flowers.—I. Reidenbach.

Chas. H. Totty, special, 36 blooms chrysanthemums.—A. McKenzie, first; J. Everett, second. Cottage Garden's special carnation.—W. Eccles, first; J. Duffie, second.

Burnett's special 25 chrysanthemums.—A. McKenzie, first.

Lager & Hurrell special, orchids.—R. Marshall, first.

Peter Henderson special, 25 blooms.—A. McKenzie, first; J. F. Johnson, second.

W. Marshall special.—H. Gant, first.

Vaughan special.—F. Petrocchia, first.

Webber & Don special.—J. F. Johnston, first; H. Gant, second.

Kitching silver cup.—A. McKenzie.

Lord & Burnham gold medal.—R. Marshall.

Butler special.—A. Matz.

Julius Roehrs special.—R. Marshall.

Stump & Walter silver cup. American Beauty.—V. Cleres.

Mrs. Brewster special.—A. McKenzie.

Glen Cove Echo special.—J. Everett.

Mrs. Smither silver cup, hardy chrysanthemums.—G. Ashworth.

J. D. Troy silver cup, roses.—I. Forbes, Jericho.

Rickard Bros. special.—A. McKenzie.

Mrs. Bucknal special.—J. McDonald.

M. Underhill special.—J. Reidenbach.

W. Weeks special.—V. Cleres, first; I. Everett, second.

Titus & Brown special.—A. McKenzie.

M. Shottwell special.—J. Everett.

M. Stapleton special.—I. Ingram.

Ron Arbor special.—I. McDonald, J. Everett.

H. J. Meyer special.—A. McKenzie, H. Matz.

Mrs. H. Pratt's silver cup, collection of fruit.—J. Everett.

Mrs. Byrne special.—F. Petrocchia.

H. Matz special.—I. Reidenbach.

Budds' special.—P. Reul.

O. E. ADDOR.



NEW ROSE—ROSE QUEEN.

E. T. Hulst prize, for best collection of named varieties of fruit.—N. H. Cottam, first.

Best named twelve varieties of apples.—F. W. Vanderbilt, first; N. H. Cottam, second.

Horatio N. Bain prize, best plate of mushrooms.—Austin L. Sands, New Hamburg (James Keeley, gardener), first; G. L. Hoyt, second.

Best twelve heads of celery.—William C. Bahret, Poughkeepsie, first; Walter Pavitt, Poughkeepsie, second.

Peter Henderson prize, for best twelve onions.—John Blakely, Poughkeepsie, first; A. Christmas, Poughkeepsie, second.

Best twelve named varieties of vegetables.—Walter Pavitt, first; G. L. Hoyt, second.

Basket of mixed flowers (for amateurs).—Mrs. Walter Pavitt, first.

Mrs. G. L. Hoyt prize, twelve pink Killarney roses.—Stuyvesant Fish, first; F. R. Newbold, second.

On October 28 the dinner table decorations were the feature, and the prizes were awarded as follows: H. G. Cottam, first; F. W. Vanderbilt, second.

Awards.

Group of Chrysanthemums, 50 sq. ft.—W. Eccles, first; A. McKenzie, second.

Group of ornamental plants, 75 sq. ft.—A. McKenzie, first; I. Ingram, second.

Best six distinct cut blooms, chrysanthemums.—I. F. Johnston, first; H. Gant, second.

Best six white.—A. McKenzie, first; R. Marshall, second.

Best six yellow.—A. McKenzie, first; James Marshall, second.

Best six pink.—R. Marshall, first; A. McKenzie, second.

Best six crimson.—I. Everett, first; V. Cleres, second.

Best six bronze.—I. McDonald, first; I. Everett, second.

Two specimen bush plants.—R. Marshall, first; A. McKenzie, second.

Twelve white roses.—I. Robinson, Center Island, first.

Twelve pink.—V. Cleres, first.

Twelve any color.—V. Cleres, first.

Twelve white carnations.—A. McKenzie, first; P. Reul, second.

Twelve pink carnations.—W. Eccles, first.

Twelve red carnations.—W. Eccles, first.

Monmouth County Horticultural Society.

The thirteenth annual chrysanthemum exhibition of the Monmouth County Horticultural Society was held at Red Bank Armory, October 26. The flowers were not as good as they have been in former years on account of the hot weather which has prevailed. The awards were as follows:

Group of chrysanthemums.—A. Freedman, Red Bank (J. Frazer, gardener), first; J. Young, Elberon (James Kennedy, gardener), second.

Bush plants.—F. Achelis (William Dowlen, gardener); J. Young, and J. Loeb (H. A. Kettel, superintendent), were awarded first prizes.

Group of foliage plants.—C. N. Bliss (W. Butterbach, superintendent), first; J. Murray, Elberon, second.

Specimen palms.—C. N. Bliss, first; M. C. D. Borden Estate (Wm. Turner, superintendent), second.

Foliage plants not palms.—M. C. D. Borden Estate, first; E. D. Adams (G. H. Hale, superintendent), second.

Six specimen ferns.—C. N. Bliss, first; J. Loeb, second.

Thirty-six blooms chrysanthemums.—M. C. D. Borden Estate, first.

Twenty-four blooms.—M. C. D. Borden estate, first.

Eighteen blooms.—J. Young, first; F. Achelis, second.

Twelve blooms.—F. Achelis, first; J. Young, second.

Six white.—C. N. Bliss, first; M. C. D. Borden estate, second.

Six pink.—E. D. Adams, first.

Six bronze.—M. C. D. Borden estate, first.

Six any other color.—C. N. Bliss, first; E. D. Adams, second.

Best seedling.—E. D. Adams, first.

Best vase arranged for effect.—E. D. Adams, first.

Best American Beauty roses.—Anton Bauer, first.

Best Bride roses.—C. N. Bliss, first.

Best Bridesmaid roses.—C. N. Bliss, first.

Best Golden Gate roses.—C. N. Bliss, first.

Best any other variety of roses.—C. N. Bliss, first.

Best vase of mixed roses.—C. N. Bliss, first.

Best light pink carnations.—J. Loeb, first.

Best white carnations.—E. D. Adams, first.

Best red carnations.—A. Freedman, first.

Best any other color carnations.—J. Loeb, first.

Best seedling carnation.—F. M. Hartshorn (H. Tierney, gardener), first; C. N. Bliss, second.

Best violets.—E. D. Adams, first; J. Young, second.

Best bunches of grapes.—M. C. D. Borden estate, first.

In the fruit classes, F. Achelis, J. Loeb and J. Young were the first prize winners, and in the vegetable classes J. Loeb, J. Young, F. Achelis, J. Murray and A. Bauer were the winners.

N. BUTTERBACH.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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Personal.

Prof. L. H. Bailey will tell about "The Size of an Acre" in the Youth's Companion next year.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the Coleus Fanny Ross, by the J. W. Ross Company, Centralia, Ill., becomes complete.

H. B. DORNER, Sec'y.

October 27, 1910.

Ladies' Society of American Florists.

All members of the Ladies' Society of American Florists and visiting ladies to the St. Louis Flower Show, the week of November 8, are requested to meet at the Coliseum, Wednesday, November 9, for theater party and dinner at 6. Entertained by Ladies' Home Circle of St. Louis.

MRS. CHAS. M. MAYNARD,
Sec'y L. S. A. F.

Reporting Exhibitions.

To save time and trouble in reporting the awards at exhibitions, correspondents should adopt the one correct style throughout, which is given below on this sheet. It will be noted that the addresses of firms appear only once, that the addresses of gardeners of private exhibitors appear only once and that the awards follow (not precede) names of prize-winners. Referring to the time of any event, give the date of the month, not the days of the week.

AWARDS.

Cut Blooms—Chrysanthemums.

Fifty yellow—Chas. H. Totty, Madison, N. J., first, with Robt. Halliday; E. G. Hill Co., Richmond, Ind., second; Elmer D. Smith & Co., Adrian, Mich., third.

Fifty pink—Dailedouze Bros., first, with Gloria; E. G. Hill Co., second; Walter Hunnewell, Wellesley, Mass., (T. D. Hatfield, gardener) third.

Fifty white—Dailedouze Bros., Flatbush, N. Y., first, with Miss Virginia Poehlmann; Elmer D. Smith & Co., second; E. G. Hill Co., third.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass.—Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York.—Eugene Dailedouze (chairman), Wm. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa.—A. B. Cartledge (chairman), John Westcott, S. S. Penock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O.—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago.—J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee, must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

WORK OF EXAMINING COMMITTEES.

Chicago, October 22.—Roepke & Riemann Co., Indianapolis, Ind., exhibited No. 3-09, white Japanese reflexed, scored 78 points commercial scale; No. 64-09, pink, scored 74 points commercial scale. Elmer D. Smith & Co.,

Adrian, Mich., exhibited Paper White, white Japanese incurved, scored 91 points commercial scale; Chrysolora, yellow Japanese incurved, scored 93 points, commercial scale.

Cincinnati, October 22.—Roepke & Riemann Co., Indianapolis, Ind., exhibited No. 14-09 magenta pink Japanese incurved, scored 77 points, commercial scale; No. 3-09, white Japanese reflexed, scored 75 points, commercial scale.

Boston, October 22.—Chrysolora, yellow Japanese incurved, scored 90 points, commercial scale, 84 points exhibition scale, exhibited by Elmer D. Smith & Co., Adrian, Mich.

New York, October 22.—F. E. Nash, bluish Japanese, scored 85 points, exhibition scale, exhibited by A. J. Lovelless, Lenox, Mass.

Philadelphia, October 24.—Chrysolora, yellow Japanese incurved, scored 89 points commercial scale, 88 points exhibition scale, exhibited by Elmer D. Smith & Co., Adrian, Mich.

OFFICIAL JUDGING SCALES.

Commercial.		Exhibition.	
Color.....	20	Color.....	10
Form.....	15	Stem.....	5
Fullness.....	10	Foliage.....	5
Stem.....	15	Fullness.....	15
Foliage.....	15	Form.....	15
Substance.....	15	Depth.....	15
Size.....	10	Size.....	35
Total.....	100	Total.....	100
Single Varieties.		Pompon Varieties.	
Color.....	40	Color.....	40
Form.....	20	Form.....	20
Substance.....	20	Stem and foliage.....	20
Stem and foliage.....	20	Fullness.....	20
Total.....	100	Total.....	100

Single varieties to be divided in two classes, the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Albany, N. Y., November 10-12, 1910.—Second annual flower show, Albany Florists' Club, State Armory. Frederick Goldring, chairman show committee.

Baltimore, Md., December 1-2, 1910.—Fall exhibition, Maryland Horticultural Society, Fifth Regiment Armory. C. P. Close, secretary, College Park, Md.

Boston, Mass., March 27-April 1, 1911.—Second National Flower Show, Society of American Florists, Mechanics' Building, Chester I. Campbell, general manager, 5 Park square, Boston, Mass.

Buffalo, N. Y., November 2-5, 1910.—Fall exhibition, Buffalo Florists' Club, Convention Hall. Wm. F. Kasting, chairman, 353 Ellicott street.

Chicago, November 8-12, 1910.—Annual fall exhibition, Horticultural Society of Chicago, Coliseum, Wabash avenue near Fifteenth street. J. H. Burdett, secretary, 1620 W. 10th Place, Chicago.

Dobbs Ferry, N. Y., November 4-5, 1910.—Ninth annual flower show, Dobbs Ferry Horticultural Association, Village Hall. H. Kastberg, secretary, Dobbs Ferry, N. Y.

Hartford, Conn., November 3-4, 1910.—Chrysanthemum exhibition, Connecticut Horticultural Society, Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Indianapolis, Ind., November 8-12, 1910.—Fall show, State Florists' Association of Indianapolis, Tomlinson Hall. A. F. J. Baur, secretary, Thirty-eighth street and Senate avenue, Indianapolis, Ind.

Long Branch, N. J., November 9-10, 1910.—Second annual chrysanthemum exhibition, Elmhurst Horticultural Society. R. Carey, secretary, Long Branch, N. J.

Milwaukee, Wis., November 9-13, 1910.—Flower Show, Milwaukee Florists' Club, in the Auditorium. H. V. Hunkel, 462 Milwaukee street, Milwaukee, Wis.

Minneapolis, Minn., November 9-13, 1910.—Flower show, Minnesota State Florists' Association, National Guard Armory, Kenwood Parkway. Jerry P. Jorgenson, secretary, 3501 Portland avenue south, Minneapolis, Minn.

Morristown, N. J., November 2-4, 1910.—Fifteenth annual flower show, Morris County Gardeners' and Florists' Society. Edward Reagan, secretary, Box 334, Morristown, N. J.

Morristown, N. J., November 2-4, 1910.—Annual exhibition, Chrysanthemum Society of America, in conjunction with the Morris County Gardeners' and Florists' Society.

Mt. Kisco, N. Y., November 4-6, 1910.—Eight annual exhibition, Northern Westchester County Horticultural and Agricultural Society, Whitlock's Garage. Marshall Crisman, secretary.

New Haven, Conn., November 1-3, 1910.—Annual Exhibition of the New Haven County Horticultural Society, Music Hall, 115 Court street. Frederick H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, November 9-11, 1910.—Annual exhibition of chrysanthemums, American Institute, 19 and 21 West Fourth street.

New York, November 9-13, 1910.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

Philadelphia, Pa., November 8-11, 1910.—Annual exhibition, Pennsylvania Horticultural Society, Horticultural Hall, Broad street, below Locust. David Rust, secretary, Horticultural Hall, Philadelphia, Pa.

Pasadena, Calif., November 3-5, 1910.—Fall flower show, Pasadena Gardeners' Association, Maryland Hotel, Angus McLeod, secretary, 163 South Alleen avenue, Pasadena, Calif.

Rochester, N. Y., November 1-5, 1910.—Second annual flower show, Rochester Florists' Association, Convention hall. H. B. Stringer, secretary, 24 Stone street, Rochester, N. Y.

St. Louis, Mo., November 8-12, 1910.—Fourth fall floral exhibition, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koehnig, 6473 Florissant avenue, St. Louis, Mo.

Worcester, Mass., November 10, 1910.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural Hall, 13 Front street. Adin A. Hixon, secretary, Horticultural Hall, Worcester, Mass.

Yonkers, N. Y., November 10-11, 1910.—First annual exhibition, Yonkers Horticultural Society, Company "G's" Armory, Waverly street, H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address
Key 226, care American Florist.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Nov. 1.
Key 219, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman. Do not answer unless you want an Al man. State wages.
Key 230, care American Florist.

Situation Wanted—As assistant gardener on private place; German, age 34, single; 16 years' experience. C. SPECHT, care C. F. Bertanzel, Florist, Roslyn, L. I., N. Y.

Situation Wanted—By sober young man, 25 life experience in roses, carnations, etc., capable of taking charge of section or commercial place. Northwest preferred; state wages. Address
Key 227, care American Florist.

Situation Wanted—By an experienced gardener; am holding my present position as manager of hot beds and garden of 35 acres for the seventh consecutive year; familiar with the plant life of everything grown in the garden; know the business; can bring about good results; the best of references. Address
Key 225, care American Florist.

Situation Wanted—As superintendent or manager of country estate; life experience in all departments of a large general estate; capable of planning and developing a new place; systematic and economical in management and highly recommended; kindly give particulars. Address
SUPERINTENDENT, Box 81, R. F. D., West Austintown, Ohio.

Help Wanted—Two rose growers. Apply at greenhouses. BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—A good rose grower wanted at once; state wages. Write to
CHARLES STARKE, Hot Springs, Ark.

Help Wanted—A florist for pot plants and handy to decorate, steady position, also one girl for store.
HESS & SWOBODA, Omaha, Neb.

Help Wanted—A rose grower to take care of section. Wages, \$70.00 per month.
HESS & SWOBODA, Omaha, Nebr.

Help Wanted—At once, a man who can dig and pack nursery stock, mostly evergreens and fancy ornamentals handled.
J. J. BONNELL, 26 Avenue and East Galer, Seattle, Wash.

Help Wanted—A single man that knows how to grow carnations, to take care of fires and to do general work; \$25 a month and board to start with; must be sober, honest and hustler. Address
C. K. SWENSON, Elmwood, Conn.

Help Wanted—An expert to grow vegetables for exhibition purposes only. Hot beds and outdoor work. Wages \$125.00 per month and room. Only first class man with a record need apply. Address
Key 228, care American Florist, Chicago.

For Sale—\$8,000.00 seed and hardware stock, doing good business; good reason for selling.
E. J. HOEBERGEN, Des Moines, Ia.

For Sale—At a bargain, a splendid greenhouse business in Indiana; only a small amount of capital needed by the right person. For particulars and terms address
Key 210, care American Florist.

For Sale—At a bargain, a modern greenhouse, 10,000 sq. feet of glass; equipment complete; 6-room house and barn; city lot 150x150; no capital needed to buy to right persons; pay for it as greenhouse earns it; local trade takes care of entire growings.
Key 223, care American Florist.

For Sale—Florist place in New England, half way between New York and Boston; All shipping facilities; good retail trade, designing, etc.; near two large cemeteries, with own water supply and pipe line; two greenhouses, 100x22 ft., 0x14 ft.; four years old; another house needed to supply local demand; new boiler already set up in cellar for another house; lot of new piping, pipe, tools, etc.; greenhouses fully stocked and in full running order; store down town sells plants and flowers all the time; will sell whole place with dwellings, barns, etc., or will sell just greenhouses and land they occupy; whole place is 8½ acres. Owner has other business to attend to. Write for particulars.
Key 216, care American Florist.

Wanted—To know the present address of Fred Vasatka, whose parents reside in Minneapolis, Minn. Please address
Key 224, care American Florist.

Wanted—Florist, gardener, to invest \$500.00 and manage 5,000 feet of glass with truck farm attached.
JOHN GIRD, 2804 E. Washington, Indianapolis, Ind.

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.



WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED.

A seedsman who is thoroughly versed in grass and field seeds—one who has had considerable experience in the house working on orders assisting in shipping; also must be capable of buying grass and field seeds in the country from the producer. Want a man capable of earning \$1000 per year or better.

Key 166, care American Florist.

WANTED.

One of the best Dutch bulb growers, with large growers special in the best qualities of Hyacinths, Early and Darwin Tulips, wishes to secure a first-class agent in the United States of America and also in Canada on entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 230, care American Florist.

WANTED

Man for store. Must have wide experience in designing and decorating, and be accustomed to waiting on high-class trade. Must come well recommended. Steady position and good salary to right person. Give full particulars with application.

J. J. HABERMEHL'S SONS,

The Bellevue-Stratford and Diamond & 22nd St., Philadelphia, Pa.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 8¾x4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color \$1.50. The larger size, one color, \$2.

Cash with order,

American Florist Co.

324 Dearborn St., CHICAGO.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good. Per 1000

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Princeps, extra large double-nosed bulbs.....	9 50
Double Von Sion, first sized bulbs.....	9 00
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Paper White Grandiflora, 13 cm. and up.....	9 00
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

Per 1000	Per 1000
Chrysolora.....\$ 7 00	Keizerskroon.....\$10 50
La Reine.....8 00	Mon Tresor.....11 50
Prince of Austria.....12 00	Rose Luisante.....14 50
Rose Gris de Lin.....8 50	Vermilion Brilliant.....7 50
Thomas Moore.....8 00	
Single, finest mixed, all colors, for bedding.....	7 50
Couronne d' Or.....	14 00
Murillo, the most profitable tulip for florists' use for forcing; always in demand; a very profitable variety at the price we are able to offer it this year, viz.....	10 00
Salvator Rosa.....	14 00
Gesneriana Spathulata, the true Gesneriana, the finest of all late tulips.....	9 50
Double, finest mixed, all colors, for bedding.....	8 50

Hyacinths

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties see wholesale list).....	Per 1000 \$4 00 per 100; \$35 00
Separate Colors, single, pink, white and blue.....	20 00
Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Cold Storage Lily of the Valley

Case containing 500 pips.....	\$ 8 00
Case containing 1000 pips.....	16 00

Miscellaneous

Lillium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition Case 200 bulbs.....	\$15 00
Longiflorum Multiflorum, Case 300 bulbs.....	13 50
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1 1/4 in. in diameter, \$7 50 per 100	
Spanish Iris, named varieties, Belle Chinoise, British Queen and Darling.....	\$ 4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops, Single and Giant.....	4 50 per 1000
Gladiolus America, the finest of all Gladioli for forcing.....	35 00 per 1000
Crocus, finest named varieties.....	5 00 per 1000
Spirea, in case lots of 100 bulbs: Gladstone, \$9 50 per case; Japonica, \$4 50 per case; Compacta Multiflora, \$5 50 per case.	

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

Combining Beauty and Usefulness.

The New Haven railroad is now known as the "rose route" to New York, because thousands of rambler rose bushes have been planted along the sandy sides of its cuts and embankments. This was not done primarily to beautify the right of way, but in order that the rose bushes might intertwine and form a blanket to prevent the sand from rising as dust with the passing trains, and also that cohesion and permanency might be given to the sloping sides. The roses are planted in three rows, running parallel to the rails. They are not yet old enough to have formed the perfect blanket desired, but already a journey over the road is like one continuous saunter through a rose garden. The delights of travel there during the blooming season may well be imagined—a mass of green, a blaze of color, and breezes, dust-free and odor-laden. A happy combination of the utilitarian and the aesthetic this is, certainly, and it is a cheering evidence that industrial concerns are going in for such combinations more and more.

America has heretofore been too young to consider much else but the purely utilitarian, but now that wealth and advancement have reached their present stages, there is more time and opportunity for considering the aesthetic and the beautiful. Heretofore, factories and industrial plants and their surroundings were as ugly as possible, but now clean, sanitary and attractive buildings, premises and walks are provided and maintained with scrupulous care. They are considered business assets of real value. Formerly, in the erection of public and municipal buildings, railway stations and public service structures of all kinds, only the exactions of use were

Hyacinths, Tulips, Narcissi

Best Quality for Forcing and Outdoor Growing

ALL THE LEADING NAMED VARIETIES

Special Offer

As an inducement to secure orders for a general line of bulbs, we quote

Hyacinths, Unnamed, Single

Any color, \$2.10 per 100; \$19.50 per 1000

To Secure These Prices, Mention This Paper.

Send us your order for other varieties. See our adv. in issue of Oct. 15th.

If You Want the Best Quality, Our Prices Are Low

James Vick's Sons,

Rochester, N. Y.

cared for, but now such buildings tend to be architectural delights. More and more it is coming to be recognized that nothing is useful in the widest and truest sense of that word unless it also ministers to aesthetic demands of man's nature.—Atlanta Georgian.

HOLLAND, MICH.—We had six inches of snow here October 29, and the first frost of the season.

BULBS For good flowers buy good bulbs. **Note the Prices.**

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock.....	\$ 8.00
Empress, Double Von Sion or Princeps.....	10.00
Emperor.....	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque.....	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

AUTUMN NUMBER

TO BE ISSUED

November 10,

JUST RIGHT FOR THE

Thanksgiving and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.


Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

324 Dearborn St., CHICAGO.

 Please mail advertisements early

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.		Per 100		Chrysanthemums, White and Yellow Eaton,
Extra long specials		\$4 00	Richmond, fancy		\$10 00	fancy, per doz., \$4 00; Bonnaffon, per doz.,
36 inch		3 00	Long		8 00	\$2 00 to \$3 00; Medium White, per doz.,
30 inch		2 50	Medium		6 00	\$1 50 to \$2 00; Small, per 100, 60 00 to \$8 00;
24 inch		2 00	Short		\$3 00 to 4 00	Pompons, yellow, white, pink, 50c bunch
18 inch		1 50	My Maryland, fancy		10 00	Orchids, Cattleyas
15 inch		1 00	Long		8 00	.....per doz., 6 00 to \$7 50
Shorter...per 100, \$4 00. \$6 00			Medium		6 00	
			Short		3 00 to 4 00	Harrisii Lilies
Killarney, fancy		\$10 00	White Killarney, fancy		10 00	Valley
Long		8 00	Long		8 00	Violets
Medium		6 00	Medium		6 00	Plumosus Sprays, Sprengeri
Short		3 00 to 4 00	Short		3 00 to 4 00	Plumosus Strings, extra long,
Cardinal, fancy		10 00	Perle, long		8 00	.....per string, 60c
Long		8 00	Medium		4 00 to 6 00	Smilax, per dozen, \$1 50 to \$2 00
Medium		6 00	Short		2 00 to 3 00	Galax, .....per 1000, 1 00
Short		3 00 to 4 00	Carnations, fancy		3 00 to 4 00	Ferns, fine, new
			.....common		1 00 to 2 00	Boxwood, .....per bunch, 35
						Adiantum Crownatum

Extra Special Roses charged accordingly.

Subject to change without notice.

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the year.
 Once tried you will have no other.

Chicago.

GOOD BUSINESS

A week of beautiful seasonable weather with cool nights and pleasant days has improved the quality of the stock in all lines as well as the tempers of the dealers. Heavy frosts have ended all the outside stock for this year, and the market henceforth will be entirely dependent upon greenhouse product. Chrysanthemums are the ruling flowers and are to be seen in all forms and grades. The midseason varieties are now on the market and they are at their best, magnificent blooms of Col. D. Appleton, Major Bonnaffon, Timothy Eaton and its yellow sport, Golden Eagle and White Bonnaffon are extra fine and are bringing very good prices, but there appears to be a shortage of the pink varieties and very few of the reds or bronzes are seen at all. There are vast quantities of medium and small blooms on the market and on some days more than are in demand. The roses are in elegant shape and while the cut has shortened up considerably yet the quality has improved and there is no surplus but yet enough to fill all demands. American Beauty is in superb condition, some magnificent blooms being seen on 50 inch stems. Killarney and My Maryland are fine and the call for the latter from southern points is very large. This variety seems to stand the long shipments better than Killarney. Brides and Bridesmaid are a little short of the call which is received. Carnations are now in excellent condition and some extra fine flowers are to be found and good prices are the rule. Cattleyas are in beautiful shape and the demand has increased and better prices prevail. Sweet peas are improving and selling very well. Violets are much improved and are receiving much more attention bringing better prices. Bouvardia and gardenias are both to be obtained. Two holidays, All Saints' Day and Halloween caused more or less flurry on the market and the increased sales relieved the market of large quantities of good stock. While large shipments of extra good stock are daily received, yet there is no glut of anything and no great shortage, the market preserving a very nice balance. Show talk is heard on every side and great interest in the coming exhibition is being shown.

NOTES.

The stock at the Peter Reinberg houses is in excellent condition and

the rose cut is very heavy. The daily receipts at the store are from 2,500 to 3,000 roses. Killarney, My Maryland and Richmond are of very fine grade and the cut is very heavy. A very nice lot of Sunrise, something out of the ordinary, is being received and they are eagerly sought by the best trade for table decorations and extra fine work, the beautiful foliage being very effective. The carnations are now in splendid condition and beautiful blooms are daily received. The shipping trade is very large and increasing very rapidly.

Poehlmann Bros. Co. is cutting an unusually fine grade of roses. The American Beauties are grand. Some noble blooms on stems nearly five feet long were noticed this week. The Killarneys are extra long and of excellent quality, and My Maryland is particularly fine and a great favorite with their buyers, and an excellent grade of Perle were also seen. The chrysanthemums are in elegant form, the Timothy Eaton and its yellow sport being of extra fine grade. The lily of the valley still holds to the fine grade that has become noted.

A call at the J. A. Budlong store on Friday and Saturday last week found them working as hard as at the Christmas holidays. Their All Saints' Day shipments to the south were very heavy and kept all hands hustling. They were well supplied with a high grade of all kinds of stock. Chrysanthemums of all colors are in fine condition. Roses are extremely good, American Beauty and Killarney being excellent, and carnations are extra fine. They are also receiving a fine grade of home-grown violets.

A. L. Vaughan of Vaughan & Sperry has been visiting his growers this week and finds the stock in excellent condition. The houses at Newcastle are coming along in fine shape and an extra heavy cut is predicted for the holidays. A splendid assortment of chrysanthemums of all colors is now being received, and the rose cut is sufficient to meet all demands. Boxwood is of fine quality and is moving more rapidly with the weather turning cooler. An extra fine lot of orchids are now being received.

The E. C. Ambling Co. is the recipient of large quantities of splendid stock of all kinds. Chrysanthemums of a high grade of commercial blooms are daily arrivals in all the marketable varieties. The violets are of ex-

tra quality, some extra fine home-grown singles being noticed. The roses are of extra high grade. American Beauties are very fine and Richmonds and Killarneys are of extra quality. Some extra fine lily of the valley and sweet peas were noticed this week.

G. H. Pieser of Kennicott Bros. & Co. is still unable to attend to business regularly, being absent from his accustomed place more or less during the week. This concern is enjoying a fine trade and the stock is of excellent quality, roses and carnations of an extra good grade being daily received. An extra fine grade of chrysanthemums are daily arrivals, some fancy Ivory and White Bonnaffon being sent by George Bayer of Toledo, O., which are finding ready sale.

Percy Jones is now receiving from his growers an extra fine lot of chrysanthemums, the Major Bonnaffon and White Bonnaffon being especially good. The violets which he is now receiving are of extra quality and finding ready sale, being picked up by the buyers at a very early hour in the morning. The roses and carnations are of excellent grade and very satisfactory to his increasing trade.

The Raedlin Basket Co. is enjoying an unusual large sale of their baskets and urns and window boxes of willow, and the fancy pot covers are meeting with a great sale. They cordially invite all the visitors attending the show to make them a call and inspect the new and attractive stock which they have recently imported.

The Chicago Rose Co. is rushing the alterations on their store as rapidly as possible and they will occupy their new quarters in a few weeks. This company is handling some very fine stock of chrysanthemums, roses and carnations and an extra good grade of both white and pink sweet peas.

The regular meeting of the Florists' Club will be held at the Union Restaurant, Thursday evening, November 3, at 8 p. m. Much important business in connection with the flower show to be held at the Coliseum, November 8-12, will be taken up for consideration.

W. N. Rudd is making a tour of the agricultural colleges, east and west, in the interest of the Illinois College of Agriculture at Urbana.

H. F. Halle has moved to the old Fuchs place, Clarendon avenue, across the street from his old location at 1124 Sheridan road.

Chrysanthemums

**Beauties, Roses,
Fancy Carnations,
Sweet Peas, Greens**

—PRICE LIST—

AM. BEAUTIES,	Per doz.
36 in. and over.....	\$3 00
24 to 30 in.....	2 50
18 in.....	2 00
15 in.....	1 50
12 in.....	1 00
Shortstems. per 100,	4 00 to 6 00
HARRISII LILIES.....per doz.,	1 50
".....per 100,	12 00
FANCY CARNATIONS,	Per 100
White, Pink and Red..	\$2 00 to \$3 00

Maryland, Richmond, Killarney, White Killarney, Kaiserin.	
Extra Select.	Per 100
Good lengths.....	\$6 00
Medium lengths.....	4 00
Good short lengths.....	\$2 00 to 3 00
ROSES, our selection...	2 00
White, Yellow and Pink 'Mums,	
per doz.....	\$1 50 to 3 00

	Per 100
Sweet Peas.....	\$1 00
Lily of the Valley.....	3 00 4 00
Asparagus.....per string,	60
" Sprays. per 100,	\$3 00 to 4 00
Sprengerl.....per 100,	2 00 to 3 00
Ferns.....per 1000,	1 50
Smilax.....per doz.,	1 50
Adiantum.....per 100,	1 00
Galax, green.....per 1000,	1 00
" bronze.....per 1000,	1 25

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store:
76 Wabash Ave., Chicago

Greenhouses:
Hinsdale, Illinois

The J. B. Deamud Co. is having a splendid trade and the last week was a particularly busy one. The calls came so rapidly the latter part of the week that it was necessary to reshipe the stock in its original boxes, the arrangements being such that the orders could be filled without the stock having to be unpacked and reshipped. The chrysanthemums are of splendid quality and all lines of stock are of exceptionally fine grade. An extra fine grade of carnations is being received, especially White Perfection and Enchantress and some beautiful Pink Delight were noticed.

Schiller, The Florist, 2221 West Madison street, is enjoying a very busy season, on October 26 decorations for two elaborate weddings were arranged. In order to properly conduct the rapidly increasing business, 15 people are kept constantly employed as well as additional help when needed. The new Buick car, of which mention was made before in our columns, will be ready for delivery next week.

Bassett & Washburn are cutting an excellent grade of chrysanthemums with Timothy Eaton and its yellow sport showing up remarkably well. Roses are arriving in quantity and some especially fine Rhea Reids were very noticeable. The southern shipping trade has been very heavy, especially to New Orleans, La., where large quantities of flowers were used for All Saint's Day.

The Chicago Carnation Co. is receiving large shipments of chrysanthemums, roses, carnations and all other leading varieties of flowers. Business has been very good and the first shipment that arrived October 29, was disposed of immediately after reaching the store.

Wietor Bros. are cutting large quantities of chrysanthemums of exceptionally good quality. White and yellow Bonnaffon, Golden Eagle and Col.

==Chicago's Great Fall== Flower Show

TO BE HELD AT

The Coliseum

Nov. 8-12 Inclusive

For Copies of Premium List, Address
J. H. BURDETT,
45 Wabash Avenue,
Telephone, Central 6004,
CHICAGO.

GEO. ASMUS, Manager,
45 Wabash Avenue,
Telephone, Central 6004,
CHICAGO.

D. Appleton have made their appearance and pompons in all the leading varieties were also very noticeable.

Frank Smith, of Smith & Fetters, Cleveland, O., on October 27, arranged the decorations at the Dangler home at Lake Forest, where an elaborate dinner took place.

Zech & Mann are handling a very fine grade of roses, carnations and chrysanthemums. Richmonds and Kill-

arneys are fine and Brides and Bridesmaid are of good quality. A shipment of extra fine Leucothoe sprays was received this week.

A. Stenquist, formerly of the Geo. Wittbold Co., has accepted a position with the E. C. Amling Co., and entered upon his duties October 24.

W. D. Desmond, of the L. S. Donaldson Co., Minneapolis, Minn., spent a few days of the present week in the city on business.

WE ARE NOW CUTTING A BANNER CROP OF RICHMOND

And all other Leading Varieties of ROSES.

Also an Excellent Grade of Carnations of an Exceptional Good Quality

Plenty of all Other Seasonable Stock.

CURRENT PRICE LIST

American Beauties,		Per doz.	Killarney, select.		Per 100	Ivory, select.		Per 100
Long stems	.....	\$3 00 to \$4 00	medium	.....	\$4 00 to 6 00	medium	.....	\$6 00
30-inch stems	.....	2 50	Mrs. Marshall Field, select	.....	8 00	.....	4 00 to 5 00	
24-inch stems	.....	2 00	medium	.....	4 00 to 6 00	Carnations	.....	\$1 50 to 2 50
20-inch stems	.....	1 50	Perle	.....	4 00 to 6 00	Valley	.....	3 00 to 4 00
15-inch stems	.....	1 25	Bride select	.....	8 00	Easter Lilies	..... per doz.,	1 50 to 2 00
12-inch stems	.....	1 00	medium	.....	4 00 to 6 00	Asparagus Plumosus,	.....
Short stems	.....	\$4 00 to \$6 00 per 100	My Maryland, select	.....	8 00	extra quality..per bunch,	.....	50
		Per 100	medium	.....	4 00 to 6 00	Fancy Ferns	..... per 1000,	1 50
Richmond, select.	.....	\$3 00						
medium	.....	\$4 00 to 6 00						

ROSES, our selection.....\$3.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

The quality of the stock from the new houses of Hoerber Bros. at Des Plaines is of the best and their daily receipts are now very large. The chrysanthemums are very fine, and a splendid grade of white, yellow and pink are constantly being received. The roses and carnations are now in excellent crop, the white and pink Killarneys are of extra grade and white Perfection, Enchantress, Beacon and Winsor carnations are remarkably good. A telephone order from New Orleans was received October 26, for an order for All Saint's Day which was promptly filled.

E. F. Winterson Co. is handling an exceptionally fine grade of chrysanthemums, some very beautiful blooms of Ivory, Pink Ivory and Major Bonnafon being noticed. The renovations in the flower department that have been in progress for the last few weeks are now completed and the doors set with double glass are a great improvement.

The extra fine line of orchids that Charles W. McKellar is receiving are finding a very ready sale and he is having no difficulty in disposing of them at very good prices. The cattleyas which are now coming in are extra large and of beautiful color, and a fine assortment are being regularly received.

A number of friends and relatives of William Starrett, the obliging salesman of the Chicago Carnation Co., assisted him and his wife in celebrating the sixth anniversary of their wedding at their home on Cottage Grove avenue, October 31. It was a most enjoyable occasion for all who were present.

Wm. Harbitz, formerly with Edward Palmer, opened a retail establishment at 3437 West Chicago avenue, November 1, and intends to build two greenhouses 25x50 feet in the spring. Mr. Palmer and wife, who expect to spend the winter in the west and south, will assist Mr. Harbitz in the store.

E. H. Hunt recently received a shipment of 22 cases of Japanese baskets including all the latest designs of reds, greens and browns. The supply department is well stocked and this firm is now ready to fill any and all



ORCHIDS A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidium** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

orders which may be received for anything in this line.

A. L. Randall Co. had on exhibition October 28 a vase of the new rose Hilda, a sport of My Maryland, which was forwarded by Myers and Samtman, Chestnut Hill, Pa., the originators of this variety. This concern is the western agent for this rose.

J. E. Schaeffer, manager of the McNeilly Floral Shop, 1153 E. Sixty-third street, is wearing a very smiling countenance and the recipient of many congratulations, all caused by the visit of the stork to his home. It's a girl, and mother and baby are doing finely.

George Reinberg is cutting very heavily in all lines of stock and of a very high grade. Some extra fine Killarney and Richmond roses are being received. Mr. Reinberg returned this week from a business and pleasure trip of ten days to South Dakota.

Trade at the Geo. Wittbold Co. is very good, the call for all decorative plants being large. The Boston ferns are in great demand and the sales this fall have been very satisfactory.

J. B. Opitz, 3626 Cottage Grove avenue, arranged the decorations for the annual banquet of the German Medical Society at the Bismarck Hotel, which was held October 29.

Robert Groves and his daughter, Blanche, of Adams, Mass., made the city a flying business trip last week. Mr. Groves is a large shipper of ferns to this market.

John Starrett is kept busy at the Hotel La Salle with the large number of table decorations at the many banquets at this noted hostelry.

John Kruchten is offering an excellent grade of white and pink Bouvardias and reports the demand for same to be exceedingly heavy.

HIGH GRADE CUT FLOWERS

'Mums, Roses,
Carnations

And All Other Seasonable Stock

We are now receiving an especially excellent grade of
Bride, Richmond, White and Pink Killarney, and American Beauty Roses.

Our Carnations Are the Best on the Market

A Trial Order Will Convince You

that our stock is of A1 quality and as good as can be found in the market. Send in
your trial order now and become one of our satisfied customers.

No Order Too Large.

No Order Too Small.

No Charge for Packing and Delivering.

Hoerber Bros.,

Telephone Randolph 2758
Greenhouses, Des Plaines, Ill.
Store, 51 Wabash Avenue,

Chicago

Joseph Mendel, West Eighteenth street, democratic nominee for county commissioner, is very busy campaigning for the coming election. Mr. Mendel is the only retail florist in the county that is running for office and is looking forward to the support of his brother florists on November 8.

The Florists' Club bowling league will give a grand ball at the Coliseum Annex Friday night, November 11. The management have left nothing undone to make this the social event of the season and a good time is promised to all who attend.

Argeson & Papatony, the Masonic Temple and Briggs House florists, report a very busy season. Both stores are located in the business district of the city, where a splendid transient trade is enjoyed.

John P. Risch has been greatly missed from the store this week, being reported as very sick and at the St. Francis Hospital.

Frank Oechslin, 4911 Quincy street, recently received a large shipment of azaleas.

Visitors: E. G. Hill, Richmond, Ind., W. D. Desmond of the L. S. Donaldson Co., Minneapolis, Minn., Frank Smith of Smith & Felters, Cleveland, O.

Chicago Bowling.

The Orchids are in the lead and have won eleven and lost four games, the Carnations are second, having won eight and lost seven of the games played. The Violets remain in third position and have won six and lost fifteen games, the Roses are last and have won five and lost ten games. Allie Zech has the highest individual average for the games played this season, with T. C. Yarnall a close second. The following table shows the individual and team scores for games played October 26.



Chicago Flower Show Poster.

Orchids.		Roses.	
Farley	...196 168 115	Wolf	...175 170 167
Hebner	...164 147 171	Johnson	...204 180 166
Graff	...126 110 131	Byers	...173 132 158
Degnan	...116 126 171	Kruchten	...113 103 134
J. Zech	...128 171 154	Fischer	...178 176 167
Totals	..690 722 742	Totals	..843 761 792
Carnations.		Violets.	
Ayer	...146 114 105	Laidley	...124 159 152
Krauss	...118 136 177	Lebermann	...141 119 153
Schultz	...168 177 188	Schiller	...135 114 113
Waters	...76 66 93	Lorman	...213 141 175
A. Zech	...146 210 172	Yarnall	...187 160 124
Totals	..654 703 735	Totals	..800 693 717

Milwaukee.

Now that the out-door stock is completely frozen, it will no doubt improve the condition of the market. The receipts for the latter part of the week were much lighter, and with an increasing flow of business, the market is commencing to ease up considerably. Carnations were plentiful the forepart of the week, and some were sold at low figures, but towards the end of the week the price became normal. Roses were quite plentiful especially Killarneys, which did not clean out as readily owing to the large quantity of chrysanthemums, mostly of the common grades, which were also a drug on the market. Violets are improving each day in quality and are selling quite readily. Easter lilies are again plentiful, and American Beauties have shortened up considerably.

NOTES.

The Cup presented by Harry Balsey, of the Detroit Flower Pot Manufactory, will be exhibited at the different retail flower stores. This will be the prize for the best 100 blooms sweepstakes, meaning the best 100 blooms to be selected from the winners of classes 43 to 47 inclusive. This prize is certainly worth while going after, as the cup is a beauty.

Entries for the show are coming in on every mail and there no doubt will be quite a number of exhibitors and every one can help the committee along by sending in their entries at once. The committee in charge are working strenuously getting things in shape for our big show in the near future.

Miss Effie Harper Currie, daughter of W. Currie, and E. Franklin Wythe, of Cambridge, Mass., were married October 27, at the home of the bride's parents, and intend making their future home in Cambridge, Mass., where Mr. Wythe has an undertaking establishment.

We are now
Cutting an
Excellent
Grade of

Chrysanthemums

WHITE
YELLOW
PINK

AND PLENTY OF ALL OTHER SEASONABLE STOCK.

PRICE LIST

American Beauties	Per doz.
36-inch stems	\$3.00
30-inch stems	2.50
24-inch stems	2.00
20-inch stems	1.50
12-inch stems	1.00
Short	.75
	Per 100
Killarney, fancy	\$6.00
short and medium	\$3.00 to 4.00
Brides and Maids, fancy	6.00

Brides and Maids, short and med.	Per 100
Richmond, fancy	\$3.00 to \$4.00
short and medium	3.00 to 4.00
Mrs. Jardine, fancy	6.00
short and medium	3.00 to 4.00
White Killarney	3.00 to 6.00
Uncle John, fancy	6.00
short and medium	3.00 to 4.00
Kaiserlin, fancy	6.00
short and medium	3.00 to 4.00

ROSES, our selection	Per 100
Carnations	\$3.00
Chrysanthemums, doz.	\$1.50 to \$3.00
Easton Lilies, doz.	1.50 to 2.00
Valley	3.00 to 4.00
Asparagus Plumosus	extra quality, per bunch .75
All other stock at lowest market rates.	
Prices subject to change without notice.	
No charge for packing.	

ROSES, Our Selection, \$3.00 per 100

Buy direct of the Growers

L. D. Phone Randolph 2081

WIETOR BROS., 51 Wabash Ave., Chicago.

Miss Weigle announces having sold her stand at the Pfister Hotel to Walter M. Droppers of the Loveland Floral Co. Miss Weigle expects to work in one of Milwaukee's leading retail stores.

Edlefsen & Leifiger Co., report cutting a large amount of chrysanthemums and carnations which are selling well. They report business fair.

W. C. Zimmerman reports business satisfactory, having a large number of funeral orders during the past week.

G. H. Hunkels Co. was fortunate in not having more damage in a fire which occurred in several adjoining stores.

Manke Bros. Co., of North Milwaukee, are cutting some fine Enchantress carnations.

J. P. Sherrer reports business very satisfactory and is kept busy with both candies and flowers.

Visitors: Martin Reukauf, H. Bayersdorfer Co., Philadelphia.; Desmond, of L. S. Donaldson Co., Minneapolis, Minn. G. R.

Cleveland.

HEAVY FROSTS.

The frosts the past week have without a doubt sounded the death knell of all outside flowers in this vicinity. Besides heavy frosts, snow fell in considerable quantity and cold sharp winds have been blowing almost continuously. The dark stormy weather has also shortened the inside crop considerably, especially in carnations, which have fallen off very much. Chrysanthemums are in better demand and the supply about equal, except in yellow, which color is a little short. Some excellent Col. Appleton and Robert Halliday are finding a good market, but white are the most plentiful. Roses are still in good supply with fair demand and violets are having a good call just now. Lily of the Valley is plentiful, but not much in demand and orchids are having a fair call. Good southern smilax and fresh boxwood are now in. Greens of all kinds are plentiful.

NOTES.

The boys from Alliance and Salem, Ohio, will be up to Cleveland on Saturday, November 5, to play the florists of Cleveland a bowling game, which will take place at Schwartzberger's alleys on Sheriff street, opposite the old Market House. All are invited, as a good time is assured and some fancy scores are expected on both teams.

The Lamborn Floral Co., Alliance, are cutting a fine lot of Col. Appleton chrysanthemums, besides many other varieties in all colors.

F. C. Bartels and A. M. Coe of North Olmstead, are cutting a fine lot of chrysanthemums and some high grade carnations at present.

Knoble Bros. had a small fire in the rear of their store and greenhouse; damage was slight. C. F. B.

TELEPHONE CENTRAL 3373

CHICAGO CARNATION CO.

Wholesale Florists, 35-37 Randolph St.,
CHICAGO

GIVE US YOUR ORDER

Current Price List

Beauties, Special	per doz.	\$4.00	Carnations, extra long fancy	Per 100
Long	2.50 to 3.00		Select	\$3.00
Medium	2.50 to 3.00		Good	2.50
Short	.75 to 1.25			1.50 to 2.00
	Per 100		Mums, fancy	per doz., 2.50 to 3.00
Killarney	Special	\$10.00	Mums, medium	per doz., 1.50 to 2.00
White Killarney	Fancy	\$6.00 to 8.00	Violets	.75 to 1.00
My Maryland	Medium	4.00 to 5.00	Lilies	15.00
Richmond	Short	2.00 to 3.00	Valley	3.00 to 4.00

All Greens and other stock at market rates. Subject to market changes.

We Have a Full Line of Everything in Cut Flowers

St. Louis.

At last we have had a real frost, the early part of week was warm, but Thursday there was a change, and outdoor flowers are gone. Trade, however, is very dull. Chrysanthemums are now crowding carnations, and violets are slowly improving, considerably. Fancy chrysanthemums are being held for the show. A few sweet peas are in but do not cut any figure in the market at present.

NOTES

Arthur E. Beyer and Louis Geiger, have left the employ of Grimm & Gorry and have gone to Chicago, the former having accepted a position with Schiller, the Florist.

Trustees of the Florists' Club have arranged to entertain visiting florists during show week, after the regular meeting, with a spread and automobile ride to the show.

Geo. Fenshol, foreman at H. Baternmann's is cutting some nice white chrysanthemums which he consigns to the W. C. Smith Wholesale Floral Co. The show windows of the Kelley Floral Co. have a grand display of gold fish and blooming plants.

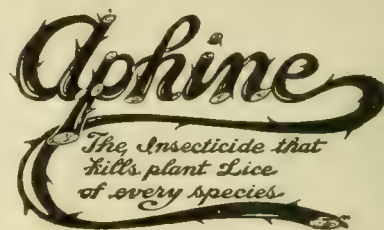
The Bentzen Floral Co. advertises in the local press a special sale of chrysanthemum plants.

Bassett & Washburn of Chicago are shipping considerable stock to this market.

Jos. Hauser is cutting some fancy violets. His crop is taken by F. C. Weber.

The Riessen Floral Co. have been very busy with funeral work.

W. F.



1911 Catalogues

Will not be complete without the listing of Aphine.

Seedsmen

Should investigate the merits of this insecticide. It is the best on the market today for both general greenhouse and outdoor requirements.

Jobbers Prices

will be furnished the trade on application.

Aphine Manufacturing Co.
MADISON, N. J.

Pacific Coast Distributing Agents:
MACRORE-McLAREN COMPANY,
Westbank Building, San Francisco, Calif.

Mention the American Florist when writing

Heavy Supply of Roses - Carnations - 'Mums

Our stock is in exceptionally good condition, and if you want to please your customers you should place your order with us immediately for

Beauties, Maryland, Jardine, Richmond, and Pink and White Killarney **Roses** They are sure to give satisfaction. None better in the market.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the New York or Hudson River Violets, but only at buyers' risk, owing to the reason that they require several days to reach here.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. **Try them and be convinced.**

Chrysanthemums. Pink, White and Yellow in large quantities. Chrysanthemums of the Pink variety have been scarce, but we are again cutting some choice blooms from the late sorts.

Plenty of other Seasonable Stock.

We
Strive
To
Please.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

A Large
Supply to
Meet all
Require-
ments.

Baltimore.

RAIN AND FROST.

At last after months of weary waiting and anxious forebodings, we have had in this territory a rainfall, not heavy, but sufficient to give heart and encouragement to the cultivators of the soil, and to give relief to some extent to the anxiety over the waning water supply for the city and suburbs. The farmers, who have been unable to plow and to seed their fall grain have been enabled to go to work and the gardeners to make amends for the enforced idleness which has been the result of the severe and long continued drought. The precipitation was about .80 of an inch, a more abundant downpour than has been experienced since the month of June. The fall has been one of unusual features besides its dryness. Up to October 22, summer vegetables were being gathered from the truck patches and gardens, and the markets are filled with all kinds of hot-weather products, such as tomatoes, egg-plants, peppers, lima beans, etc. These, with the commingling of the usual fall sorts, make a very attractive and varied display. The first frost was encountered near Baltimore on the night of October 23, the mercury going down to 35°. There was no killing frost until the morning of the 29th. The usual outside flowers have been much less in quantity and far inferior in quality, as a rule, to ordinary seasons, and in a great measure if not entirely to lack of rain, flowers, fruits and vegetables, all, seeming to fail to develop without the adequate moisture for absorption by the roots. As a consequence, there was somewhat more of a summer demand for greenhouse stuff, and, all things considered, trade may be reported as "fair to middling." October has been a notable month for weddings, quite surpassing the usually more favored month of June, and

there have been some very pretty decorations, demanding the very finest flowers and the most expert handling. Indeed, in this community, there seems a growing tendency toward the use of more select material and the exercise of refined taste and the nice adaptation to its particular expression of feeling to the occasion being celebrated rather than exorbitant quantities put together with less artistic thought and feeling. This holds true of funerals as well as of weddings and other joyous occasions. Some recent funerals here have been distinguished by the fine taste displayed in the memorial offerings, and the high class of flowers, orchids being conspicuous. It looks as if the coming local social season will be one of unusual activity and gaiety, the lists of the debutantes which are published by the daily papers exceeding in length those of several preceding years. The first german which opens the season is at hand and for one day at least the florists may expect a slashing business in the loveliest and most expensive flowers. This is the occasion where every debutante expects each admirer and family friend to send at least one bunch of orchids, American Beauties or Lily of the Valleys to help launch her into the sea of fashionable society.

NOTES.

Martin Lohr, of the firm of Lohr and Fritze, rose growers, of the Frederick road, acquired last summer a handsome automobile, and occasionally gives his friends a test of its speed and comfort. The two partners with John J. Perry and George Morrison, went down October 25, to the Maryland State Experiment Station, almost at the gates of Washington, making the roundtrip in quick time, and seeing all the sights at the Station.

The veteran, John Cook, rosarian and dean of the trade of this community,

contemplates spending next winter, as he did the last, amid the balmy airs of Florida, which he finds suits the conditions of his health. He has escaped so far the twinges of rheumatism, which changeable weather brings, but thinking precaution better than cure, he with Mrs. Cook, will be off for the south about the latter part of November.

Boyd G. Merritt, of Grange, Baltimore County, a young florist who is developing fine skill and building up a model establishment where he is growing (besides carnations) about the only American Beauty roses now produced around Baltimore, and good ones too! Last week he took to himself a bride, Miss Mary Sparks, and has the congratulations and kindest wishes of his friends in the trade.

The last meeting of the Gardeners' and Florists' Club was well attended. The mayor and other city officials made addresses urging the members to vote for the proposed loans for public improvements which are to be submitted to the popular vote. Unfortunately for the strength to be gained by this effort, more than three-fourths, probably, of the members are voters elsewhere than in the city.

It is reported, apparently semi-officially, by one of the daily papers, that Charley L. Seybold, one of the local park superintendents, who has had several encounters with the general superintendent and the Park Board on questions of policy, etc., will now be retired, the board taking the position that filing of charges against that body by a subordinate cannot be tolerated.

A neat greenhouse belonging to Miss Mary Sloan, at Lutherville, Baltimore county, was destroyed by fire, the loss being total, due to the scarcity of water. The building will be restored and probably enlarged.

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable
stock, such as

'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST

American Beauty		Per doz.	Killarney, fancy		Per 100	Gladioli, named varieties		Per 100
Long stem		\$3 00			\$8 00 to \$10 00			\$4 00 to \$6 00
30 inch stems		2 50	select		6 00	in mixture		1 50 to 2 00
24 inch stems		2 00	medium		4 00 to 5 00	Carnations		1 50 to 3 00
20 inch stems		1 50	Bridesmaid		4 00 to 5 00	Valley		3 00 to 4 00
15 inch stems		1 25	Bride, fancy		8 00 to 10 00	Easter Lilies		12 00 to 15 00
12 inch stems		1 00	medium		4 00 to 5 00	Sprenger	per bunch	25c to 35c
Short stems		\$4 00 to \$6 00 per 100	My Maryland, select		8 00 to 10 00	Asparagus Plumosus,		
			medium		4 00 to 5 00	extra quality per bunch		35c to 50c
			Chatenay		5 00	Fancy Ferns, per 1000		\$1 50
			Ivory		5 00	Chrysanthemums	per doz.	1 50 to 3 00
			ROSES, our selection		3 00	Wild Smilax	per case	5 00
			CATTLEYA LABIATA, per doz.		\$6 00	Violets		.50 to 1 00

Boxwood, 25 cents per pound; 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Pittsburg.

BUSINESS IMPROVING.

A more settled state of affairs in the flower world of this city can be reported this week. A hard freeze took away everything outside and the effect was at once noticeable on the market. American Beauties, roses and violets which have severely felt the pressure of outdoor stock are now moving freely. Naturally chrysanthemums are still the big show, a much better demand being experienced on these. Valley is still in under-supply.

NOTES.

A bright spot among the window decorations this week was that of the Penn avenue store of Randolph & McClements, Henry Klunders in charge. It is a Halloween affair, consisting of corn, pumpkins, bark, etc., arranged in a farm scene, the whole set off by a lot of well arranged bronze pompon chrysanthemums.

The Florists' Club met Tuesday evening, November 1, the subject being chrysanthemums. A very fine showing was made by the private gardeners, prizes being awarded in this class.

Howard Carney of J. B. Murdock & Co., has entered the contest for one of the automobiles offered by the Pittsburg Dispatch and asks all his friends to help him out.

W. Q. Potter, of the McCallum Co., has been away several days on account of sickness. A new addition to the store force of this company is John A. Martin.

Joseph Thomas, Greensburg, is disposing of several houses of ferns which are known all over this territory as the "Thomas" Brand which means "best."

The A. W. Smith Co. bought all the small and medium chrysanthemums in sight for their Halloween dollar boxes.

Up the Monongahela River we find Jos. Haube, Charleroi, and A. L. Linn, Lock No. 4, on the sick list.

Ernest Zieger has taken the Mergenthaler place, on East Washington Lane, Germantown, Philadelphia.

J. G. Neville, East Liverpool, Ohio, states that he is putting up more glass.

"THE BUSIEST HOUSE IN CHICAGO."

"WHEN in Doubt, Lead Trumps." It will be a trump card everytime if you send us a trial order. Be sure and get our weekly trade letter. It will keep you thoroughly posted on the market.

J. B. DEAMUD CO.,

L. D. Phone Central 3155

51 Wabash Ave., CHICAGO.

Visitors: A. R. McCurry, Natrona; Lee Chamberlain, Salem, O.; Jas. Hargraves, E. Liverpool, O.; T. M. Fitzgerald, Beaver; J. S. Crall, Monongahela; Wm. Edlefsen, Milwaukee, Wis.

J.

Albany, N. Y.

At the last meeting of the flower show committee of the Albany Florists' Club, W. C. Gloeckner of the judges' committee presented the acceptances of five men who will pass upon the exhibits in the state armory, November 10-12, including: Edward J. Norman, Erskine Park, Lenox, Mass.; Alfred H. Wingate, Allen Winden, Lenox, Mass.; T. J. Totten, Saratoga Springs, and J. R. Fotheringham, Tarrytown, N. Y. A very handsome cup, suitably engraved, was on exhibition and will be the prize offered by the Florists' Club for the best decorated booth. Chairman Frederick Goldring, F. A. Danker, William C. Gloeckner, and Thomas B. Snare had enthusiastic reports to offer on the show at Lenox, which they attended a few days before and were able to announce that they had seen a number of growers there who promised to make some interesting exhibits at Albany. It is expected that several of them will come over with chrysanthemums and orchids. Lenox certainly filled the Albanians with enthusiasm and they are talking yet about the magnificent groups of orchids, the large ranges of private greenhouses in immaculate condition, and the prize vegetables which attain there an unheard of size. Many details incident to the closing preparations were attended to at the meeting and assigned by the chairman to various members for completion.

The funeral of David B. Hill, a former governor and United States Senator, on October 24, brought some notable orders to the local florists. The Democratic state committee purchased through Eyres a rectangular panel of large size in the center of which was a five-pointed star in violets, the Democratic emblem printed on the ballots. In the panel were 125 cattleyas. The New York state legislature ordered a large wreath of magnolia, lily of the valley and violets and many friends and organizations ordered bunches of American Beauties, chrysanthemums, and simple designs. F. A. Danker supplied for the Argus Company, publishers of a local newspaper in which Mr. Hill was interested, a wreath of galax and palms and also a number of other designs for friends in the city.

R. D.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—

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KENNICOTT BROS. COMPANY

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48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Cincinnati.

BETTER BUSINESS.

Business the past week was very quiet and seasonable flowers of all kinds accumulated accordingly. The biggest was in white roses and carnations. On October 28, the first killing frost of the season occurred and the following day buyers were more active than they have been at any time in the past two weeks. At this writing, October 31, there is a good demand and everything in the flower line is cleaning up nicely and let us hope that the spurt will continue indefinitely.

NOTES.

P. J. Olinger, Alex Ostendorf and Albert Sunderbruch have signified their intentions of going to Chicago to take in the chrysanthemum show.

Mrs. Henry Schwarz leaves November 1, on a visit to her brother, who is located at Birmingham, Ala.

B. J. Glins has accepted a position with Julius Baer. He will have charge of the new conservatory.

Do not forget the meeting of the bowlers at Finke & Craig's November 7, at 7:30 p. m.

Visitors: Sam Seligman, representing Wertheimer Bros., New York.; J. T. Herdegen, Aurora, Ind.; Victor H. Thomas, Augusta, Ky.; Wm. Gardner, New Castle, Ind.; Charles Weltz, Wellington; Robt. T. Groves, Adams, Mass.; James Burnett, Blanchester, S.

OSKALOOSA, IA.—Theodore Greeve is to add another greenhouse to his large establishment on North Ninth street.

WOOSTER, O.—The Ohio experiment station will open their greenhouses to the public November 6 and 13, that they may enjoy the display of chrysanthemums.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

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Wholesale Flower Markets

CHICAGO, Nov. 2.	
Roses, Beauty, extra select...	3 50@ 4 00
specials.....	3 00
" 36 in.....	2 50
" 30 in.....	2 00
" 18 in.....	1 50
" 15 in.....	1 25
Short.....	75@ 1 00
Per 100.....	
Bride, Bridesmaid, select...	3 00@ 8 00
medium.....	2 00@ 2 50
Killarney, select.....	3 00@ 10 00
medium and short.....	2 00@ 2 50
Kaiserin.....	3 00@ 10 00
Mrs. Jardine.....	3 00@ 10 00
Chatenay.....	2 00@ 10 00
My Maryland.....	2 00@ 10 00
Perle.....	2 00@ 10 00
Richmond.....	3 00@ 10 00
Uncle John.....	3 00@ 10 00
White Killarney, select.....	4 00@ 10 00
medium.....	2 00@ 3 00
Carnations.....	1 00@ 3 00
fancy C. P.....	4 00
Chrysanthemums...per doz.....	75@ 3 00
Cattleyas.....per doz.....	6 00
Gardenias.....per doz.....	3 00@ 4 00
Dendrobium Formosum.....	5 00@ 6 00
Dahlia.....	1 00@ 2 00
Gladoli.....	3 00@ 5 00
Lilium Harris.....per doz.....	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Phalaenopsis.....	12 00
Sweet Peas.....	75@ 1 00
Violets.....	75@ 1 00
Adiantum.....per 100.....	75@ 1 50
Asparagus Plum, strings, each.....	60@ 1 50
Sprenger.....	3 00@ 4 00
".....	3 00@ 4 00
Boxwood.....	15 00
Ferns.....per 1000.....	1 75
Leucothoe.....	75
Mexican Ivy.....	75@ 1 00
Smilax.....	1 50@ 2 00
Wild Smilax.....per case.....	5 00

Buffalo.

The weather is very variable and flowers are coming in good. Chrysanthemums are getting better daily.

NOTES.

There is one in the business who would not let a little thing like a flower show bother him and that one is Edward Walther, who has charge of the receiving of all of the stock of W. J. Palmer & Son. There was a wedding on Wednesday evening, October 26, when Edward Walther and Miss Irene Bolza were united in marriage. The newlyweds are on a trip to New York and Boston and are not giving a thought to the flower show. They will be at home on Woodward avenue, Parkside, after November 15. The best wishes of the members of the

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given prompt attention.

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CHICAGO.L. D. Phone Central 1496. Private Exchange
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price list regularly send for it.

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BOUQUET GREEN

Best quality at lowest rates. We gather our
own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S.W. cor. Clark St
H. Schuenemann, Capt. Bridge, **CHICAGO**

Florists' Club are extended to the bride and groom.

All the florists in every branch are getting ready for the flower show, the prospects of which are looking brighter every day and it is safe to say that Buffalo has never before seen what will be shown at Convention hall at this flower show.

WYANET, ILL.—The next meeting of the Horticultural Society of Northern Illinois, will be held in Princeton, December 8-9, 1910. An especially good programme has been prepared, and all interested in the growing of flowers, fruit and vegetables should attend the meeting. A copy of the programme can be obtained by addressing the secretary, Frank Hays, Wyanet, Ill.

EASTER LILIES.

\$1.50 per doz. \$10.00 per 100.

Grown by an expert, they are all that could be desired.

BRONZE GALAX

\$7.50 per case.

Clean stock—no waste. We guarantee every case to be first class.

VALLEY.

Special, \$4.00 per 100.

First, \$3.00 per 100.

We always have plenty good Valley.

THE LEO NIESSEN CO.,Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,**Philadelphia, Pa.****SAMUEL F. LILLEY****WHOLESALE FLORIST**5 South Mole Street
(Near Broad Street Station)**PHILADELPHIA, PA.**

A good market, good stock, and satisfaction guaranteed.

Philadelphia.**COLDER WEATHER.**

The cold wave has struck us and struck hard. The night of October 29 was very cold for this season and it does not seem that much outdoor stock can have survived. There had already been a shortening up on account of cool nights, but this spell seems to put the finishing touch on dahlias. There will not however be much mourning. It has been generally recognized for some time that there was a surplus of stock on the market, and now the greenhouse products will have a clearer field. Business throughout the past week was not up to expectations. Saturday was a very fair day, but during the earlier part of the week business lagged. Nobody seemed able to make a definite explanation of the dullness, except that the people were not buying many flowers. Chrysanthemums, as a matter of course, have a large place, and there are many good ones now seen. It is also true that much very fair stock is selling cheap. No exceptions can be taken to the quality of roses, orchids, gardenias, carnations and other stocks now arriving, even though the chrysanthemums are the leading feature. There is a fair movement in ferns and rubber plants.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club was held at Horticultural Hall on the evening of November 1. The attendance was large and the meeting very interesting and instructive. In the absence of President Heacock, who is in the midst of a strenuous political campaign, being candidate for state senator, Vice-President Burton occupied the chair. Robert Craig addressed the club and in an eloquent and feeling manner, outlined the character and life work in horticulture of his departed friend and fellow member, William K. Harris, and in behalf of the Harris family, presented to the club a fine crayon portrait of Mr. Harris. John Westcott followed and spoke on similar lines, paying tribute to the worth of their departed member. Thomas B. Meehan delivered a very interesting address on the care and pruning of shrubbery. He had specimens of various evergreen and deciduous trees with him and with his pruning shears illustrated the best methods of pruning and trimming the same. Propositions for membership were received from Mark Mills, William K. Harris, Jr., and J. S. Prince. The following committees were appointed: Club room: David Rust, George Craig, John Westcott and Fred Hahman. Games: D. T. Connor, William Robertson, John Dodds, Nicholas Moore and W. R. Huttenlock. Membership: Henry F. Michell, W. E. McKissick and Arthur E. Niessen. Es-

Of Interest to Cut Flower Buyers**THE PITTSBURGH CUT FLOWER CO., of Pittsburgh, Pa.,**
wishes to send a copy of their**New Illustrated Catalogue on Florists' Supplies and Wire Designs**

to every florist. This catalogue is very much superior to any of their preceding issues. This book will be sent free and postpaid to every person who fills out and returns them this coupon.

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Dear Sirs:—I should like to receive your catalogue and weekly price list and hope that a copy is sent me, and oblige

Name

Address

*Mention the American Florist when writing***Wholesale Flower Markets**

PHILADELPHIA, Nov. 2.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney	1 00@ 6 00	
" White Killarney	1 00@ 5 00	
Cattleyas.....	35 00@50 00	
Dahlias	1 00@ 3 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snapdragons.....	4 00@ 8 00	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch, 50		
Smilax.....	15 00@20 00	
Violets.....	25@ 40	
Chrysanthemums.....per doz.	1 00@2 50	

PITTSBURG, Nov. 2.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" extra.....	8 00@12 00	
" No. 1.....	4 00@ 6 00	
" Bride, Bridesmaid	1 00@ 6 00	
" Chatenay.....	1 00@ 6 00	
" Killarney.....	1 00@ 6 00	
" My Maryland.....	1 00@ 6 00	
" Richmond.....	1 00@ 6 00	
Carnations	1 00@ 3 00	
Chrysanthemums.....	3 00@15 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Oncidiums.....per doz., 3 00@ 5 00		
Sweet Peas.....	50@ 1 00	
Adiantum	1 50	
Asparagus Sprengerii, per bunch, 50		
" strings.....per string, 50		
" sprays.....per bunch, 50		
Smilax.....	15 00	
Cattleyas.....	60 00	

says: J. Otto Thilow, T. W. Logan and Charles F. Meehan. Novelties: Robert Craig, J. W. Coldflesh and John Westcott. Exhibits: Robert Kift, Leo Niessen and John C. Gray. The Leo Niessen Co. exhibited some fine blooms of Mrs. C. W. Ward and Alma Ward carnations, grown by H. M. Weiss &

**Beauties,
Violets**Stock Very Fine.
Prices Very Reasonable.**The McCallum Co., Inc.**
PITTSBURG, PA.**Pittsburg Florists' Exchange****WHOLESALE FLORISTS**

All Seasonable Flowers

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15 Diamond Sq.

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WASHINGTON, D. C.Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.**John W. McIntyre****WHOLESALE FLORIST.**

Chrysanthemums, all colors.

1601 Ranstead St.,

PHILADELPHIA, PA.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Nov. 2.		Per 100
Roses, Beauty, best	.....	20 00@25 00
" " medium	.....	12 00@15 00
" " culs	.....	2 00@ 4 00
" " Bride, Bridesmaid	.....	1 00@ 4 00
" " Extra	.....	5 00@ 8 00
" " Killarney and Richmond	.....	1 00@ 6 00
" " My Maryland	.....	1 00@ 8 00
" " Carnot	.....	2 00@ 8 00
Carnations, select	.....	1 00@ 2 00
" " fancy	.....	2 00@ 3 00
Callas	.....	8 00@10 00
Cattleyas	.....	35 00@50 00
Chrysanthemums	.....	8 00@25 00
Gardenias	.....	16 00@25 00
Lilium Longiflorum	.....	6 00@ 8 00
Lily of the Valley	.....	2 00@ 4 00
Violets	.....	50@ 75
Smilax	.....	12 00@16 00

ST. LOUIS, Nov. 2.		Per 100
Roses, Beauty, long stems	.....	15 00@20 00
" " medium stems	.....	8 00@10 00
" " short stems	.....	2 00@ 4 00
" " Bride, Bridesmaid	.....	2 00@ 5 00
" " Killarney	.....	3 00@ 5 00
" " My Maryland	.....	3 00@ 5 00
" " Richmond	.....	4 00
Carnations	.....	1 50@ 2 00
" " fancy	.....	2 00
Easter Lilies	.....	10 00@12 50
Adiantum	.....	1 00
Asparagus Sprenger	.....	2 00@ 3 00
Smilax	.....	12 50@15 00

CINCINNATI, Nov. 2.		Per doz.
Roses, Beauty	.....	1 00@ 3 00
" " Bride, Bridesmaid	.....	2 00@ 6 00
" " Golden Gate	.....	2 00@ 6 00
" " Killarney	.....	2 00@ 6 00
" " Richmond	.....	2 00@ 6 00
" " Pres. Taft	.....	3 00@ 8 00
Carnations	.....	1 00@ 3 00
Callas	.....	10 00
Chrysanthemums	.....	4 00@25 00
Daisies	.....	50
Lilium Longiflorum	.....	10 00@12 50
Lily of the Valley	.....	3 00@ 4 00
Adiantum	.....	1 00@ 1 50
Asparagus Sprenger, per bch.	.....	25
Smilax	.....	12 50@15 00

MILWAUKEE, Nov. 2.		Per doz.
Roses, Beauty	.....	50@3 00
" " Bride, Bridesmaid	.....	3 00@ 6 00
" " Killarney	.....	3 00@ 8 00
" " Richmond	.....	3 00@ 6 00
" " Perle	.....	3 00@ 6 00
Carnations	.....	1 50@ 3 00
Lilium Giganteum	.....	1 50
Lily of the Valley	.....	3 00@ 4 00
Magnolia	.....	35
"Mums	.....	75@ 3 00
" " Single and Anemone	.....	35@ 50
" " varieties	.....	2 00@ 4 00
Snappdragon	.....	1 50
Adiantum	.....	50@60
Asparagus	.....	35@50
" " Plumosus, per bunch	.....	35
" " Sprenger	.....	1 50
Ferns, Fancy	.....	per 1000, 1 50
Galax	.....	per 1000, 1 50
Smilax	.....	per doz., 1 50
Violets	.....	75@ 1 00

Fiske and F. W. Damon as members of the nominating committee instead of J. Willard Hill.

T. J. Grey, Wm. Nicholson and J. T. Butterworth were the Boston visitors to the Lenox Show. On their way home they visited the two new 500-ft. rose houses of Montgomery Bros. at Hadley. These are planted with Killarneys, Richmonds and American Beauties.

Penn had a dinner table decoration for the governor of New Hampshire,

H. G. BERNING,

Wholesale Florist,

1402 Pine St. ST. LOUIS MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

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Wholesale Growers of

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Columbus, Ohio

William Murphy,

Wholesale Commission

FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES!

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames,
All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping,
and Everything in the Green Line
— LOWEST PRICES IN THE CITY. —

and one funeral order was a casket cover of violets and lily of the valleys with a shower wreath of orchids.

Welch Bros. report a very busy week and called attention to their superior method of packing, which insures the arrival of flowers at long distances in perfect condition.

Galvin's window has been resplendent with orchids.

Pierce Bros. are sending in some grand Timothy Eaton chrysanthemums.
W. T. H.

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

— CONSIGNMENTS SOLICITED. —

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Sons, of Hatboro. The American Rose and Plant Co., of Springfield, O., exhibited a promising sport of Nephrolepis Bostoniensis.

NOTES.

Among the many good things seen at the range of the Robert Craig Co. are about 15,000 begonia Gloire de Lorraine, Glory of Cincinnati and a very promising sport of the Lonsdale begonia. Their Ficus pandurata, palms and ferns continue to be great attractions.

Frank Myers, of Myers & Samtman, was in the wholesale district last week with samples of two new roses, a pink and a yellow, which are being grown at his range.

At his retail store on Chestnut street, Robert Kift is showing very attractive features in decorative boxwood plants.

Boston.

PRICES DEMORALIZED.

Prices at the markets the past week have been demoralized. The stalls are overflowed with fine stock and the buyers had the advantage. And so it will be till the chrysanthemums get by. The season has been such that while this flower was having its inevitable effect, roses and carnations were also running a race with themselves to overstock the market still more. The florists have had a good week. Weddings and funerals have been abundant and there are some very busy florist establishments for telephone and telegraph mean great things for an enterprising florist.

NOTES.

The event of the week has been the assignment of William E. Doyle, who has two stores. The amount of liabilities being reported as \$40,000. A meeting of the creditors was held October 29, and the following committee was chosen: John McFarland, chairman; P. Donohue, P. Welch, H. M. Robinson, Wm. H. Elliott. This committee was instructed to investigate and report November 2.

Mr. Campbell reports space rentals for the National Flower Show coming in rapidly. John Farquhar is authority for statement that trade exhibits will be allowed no gratuitous space. Two or three well known houses gave notice of withdrawal for this reason. It is now understood that there will be no gratuitous space except for competitive classes.

The nominations for officers of the Massachusetts Horticultural Society reported last week should have read J. K. M. L. Farquhar for vice-president, instead of W. C. Baylies, and H. E.

Announcement

TO THE RETAIL TRADE

My Entire Cut of Carnations

from 100,000 plants will be on sale every morning at

M. C. FORD'S, 121 West 28th St., New York City

My wagon arrives daily at 7:30 a. m.

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Carnation Grower, Flatbush, Brooklyn, N. Y.

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S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies.

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

New York.

MARKET CONDITIONS.

During the past week the demand has not caught up to the supply, with a few exceptions. Chrysanthemums are coming along fast and find an outlet at some figure. American Beauty roses have diminished in number and at the end of the week there were comparatively few in the market. The smaller varieties of roses increased in volume and the average price on these showed no improvement; on the contrary, owing to the limited demand, clearances were difficult at any price. The carnation situation remains unchanged. Cattleyas are plentiful and have sold well and considerably less of lily of the valley appeared in the market as the week advanced. Violets were not nearly so plentiful this week, the higher price prevailing in the west probably attracting shipments in that direction. The quality has been rather poor and only begins now to show improvement. Forty cents has been an outside figure here and that for but a small portion received, the remainder going to the street peddlers for smaller amount. At present, however, the prospect looks brighter for them if we don't get too many. Saturday found a better tone to the market and there was some business. If wholesalers had not been handicapped with accumulations it would

have been possible to advance prices a little bit, but there was enough and to spare to take care of a still greater demand than developed.

EXPRESSMEN'S STRIKE.

For a week past shipments have been delayed and finally accomplished with the aid of local expressmen owing to a general strike of the drivers and helpers of all the big express companies beginning with the United States and finally involving all the other great carriers. The companies had been accepting shipments of flowers at shippers' risk but could not make delivery. Consequently consignees were obliged to send to the train for their shipments and messengers with wagons found great difficulty in getting the goods from the cars, as the strikers interfered and in several instances the company refused to open the cars, as the police protection was insufficient. Some shipments were mixed up with outgoing freight and sent back to the starting point. There seems no immediate prospect of a settlement, notwithstanding the demand of the strikers as to better pay and shorter hours has been agreed to by the United States Express, but it is further demanded that the companies recognize the union, which is likely to prolong the strike if the men do not yield in this demand.

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers.
Consignments Solicited.

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The scores made by the members of the New York Florists' Club Bowling Association are as follows:

Flesser	122	86	99	Fenrich	152	139	132
Irvin	122	171	160	Marshall	131	106	101
Donaldson	125	167	147	Scott	137	143	170
Einsman	127	121	171	Smith	144	120	156
Shaw	143	114	143	Manda	134	182	140
Berry	145	122	169				

The special prize, a silk umbrella, given by Mrs. C. W. Scott, was won by Mr. Irwin of the Skidelsky & Irwin Co., Philadelphia. Mr. Irwin gives the prize this week for the highest score and next week P. J. Smith gives a handsome traveling bag for the best head pin score in 12 frames.

The New York Florist's Club bowling association played several games October 28. The contest for highest score was won by Joe Manda, who carried off a stein given by R. J. Irwin.

Young & Nugent,

Telephone 2065-2066 Madison Square
42 West 28th Street,
 To out-of-town florists
New York
 We are in the Heart of
 And give special attention to steamer and Theater orders. Prompt
 deliveries and best stock in the market.

D. Y. McEllis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.

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Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
 Telephones: 7062-7063 Madison.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
 Phones: 798 and 799.

NEW YORK

WM. P. FORD,

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WHOLESALE FLORIST

Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited

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WHOLESALE FLORISTS

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PHONES ¹⁶⁶⁴₁₆₆₅ } Madison Sq. Consignments Solicited.



Give us a
Trial
We can
Please you.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

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August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
 Open for Cut Flower Sales at 6
 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
 Mention the American Florist when writing

— FLOWERS SHIPPED BY —

P. J. SMITH,

Are the best product of the best growers
 for the New York market.

Adiantum Croweanum sold here exclusively.

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Wholesale Florists

Consignments Solicited.

Telephone, 3559 Madison Square.

45 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Nov. 2.

Roses, Beauty, special.....	10 00@20 00
.. extra and fancy.....	5 00@10 00
.. No. 1 and No. 2.....	3 00@ 4 00
.. Bride, Bridesmaid, special.....	4 00@ 5 00
.. extra and fancy.....	1 00@ 2 00
.. Killarney, special.....	4 00@ 5 00
.. extra and fancy.....	2 00@ 3 00
.. No. 1 and No. 2.....	1 00@ 2 00
.. Kaiserin, special.....	4 00@ 5 00
.. extra and fancy.....	2 00@ 3 00
.. No. 1 and No. 2.....	1 00@ 2 00
Carnations.....	1 00@ 3 00
Chrysanthemums, 3 00 per 100@5 00 per doz.	
Cattleyas.....	20 00@40 00
Dahlia..... per doz.....	75@ 2 00
Gardenias..... per doz.....	\$1 50@ 3 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	3 00@ 4 00

BUFFALO, Nov. 2.

Roses, Beauty, special.....	20 00@25 00
.. fancy.....	15 00@20 00
.. extra.....	10 00@15 00
.. No. 1.....	7 00@10 00
.. No. 2.....	4 00
.. Bride, Maid, Killarney.....	2 00@ 8 00
.. Kaiserin.....	4 00@ 8 00
.. Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 00@ 3 00
Chrysanthemums.....	6 00@20 00
Pompons, per bunch.....	25@ 35
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00
Violets.....	60@ 75

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55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-
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Chrysanthemum Novelties my specialty.

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Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

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 Madison Square. **NEW YORK.**

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WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,
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CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
 Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

Receivers and
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IS extended to all local and visiting florists and their friends to come and see our unrivalled assortment of Florists' Baskets while attending the Chicago Flower Show. Our line of Baskets is all imported stock, and has no equal in this country. For generations the Raedlein family have been interested in the Basket Business, until today they stand first and foremost in the Basket Industry of this and other countries. If you want to see

BASKETS THAT ARE BASKETS

do not fail to take advantage of this opportunity to look over our display. It is magnificent. Come and see for yourself. To reach our storerooms, take a Milwaukee Ave. or Armitage Ave. car and get off at Huron St.

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Near Huron St.,

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WILD SMILAX
AND ALL OTHER
DECORATIVE GREENS
FROM
GEORGE M. CARTER
EVERGREEN THE ALABAMA
QUICKEST SHIPPER

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of
Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc..

Delivered to all parts of United States and Canada
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Telephone 1202 Madison Square.

Southern Wild Smilax

Now ready for shipment.

Perpetuated and
Natural Sheet **MOSSSES**

Satisfaction guaranteed.

E. A. BEAVEN, Evergreen, Ala.

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly,
on receipt of same.

Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

BRIDGEPORT CONN.—The scarcity of water at Green Farms is so serious that George B. Whitehead has been obliged to dig another well on his property, which he hopes will increase his water supply.

ASBURY PARK, N. J.—J. Bergen Thompson, 80 years old, dropped dead on the shoulder of the Rev. Mr. Conover, his pastor. He was a delegate to the installation of the pastor of the Keyport church and suffered a stroke of apoplexy at the station.

LITTLE FALLS, N. Y.—J. O. Graham, who recently visited Ithaca, where his son Simon O. is taking a special course in greenhouse work at Cornell university, says that the greenhouses there are up to date and the stock looking well. The young man is well pleased with his work.



Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

FANCY.
\$1.00 per 1000

Bronze and Green Galax\$1.00 per 1000; \$8.50 per 10 000
Leucothoe Sprays\$1.00 per 100; \$7.50 per 1000
Southern Wild Smilax, Branch Laurel, Laurel Festooning,
Green and Sphagnum Moss, Boxwood Sprays.

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

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BOSTON, MASS.

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FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per bunch, 35c; 50-pound case \$8.50
Lod Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

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All phone connections.

DETROIT, MICH.



Wholesale Price List

Galax, Ferns and Leucothoe

New crop direct from the woods to the dealer. Per 1000
Galax, green and bronze.....\$0.50
Ferns, dagger and fancy.....1.00
Green Leucothoe Sprays, regular lengths.....2.00
Green Leucothoe Sprays, 10 to 15 inches.....1.00
Bronze Leucothoe sprays.....3.00

Special prices on lots of 100,000 and up.
Terms, strictly cash, f. o. b. Elk Park, N. C.

North Carolina Evergreen Co., BANNERS ELK, N. C.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

Sphagnum Moss

Dry; in burlap bales: size of bale, 16 by 16 inches by 4 feet long; average weight, about 30 pounds. Price (cash with order): Per bale, 75c; 10 bales, \$6.50.

CHAS. F. UECKE, New London, Wis.

Fancy Holly, Sheet Moss,

LAUREL, TOMATO SEED, Autumn Foliage, Mistletoe.

Ask for prices and references.

W. Z. PURNELL, Snow Hill, Md.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Florists, Bellevue-Stratford and Diamond and 22nd Streets

CHOICEST FLOWERS ARTISTICALLY ARRANGED.

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Greenhouses: Short Hills, N. J.
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**The Park
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Geo. C. Shaffer,

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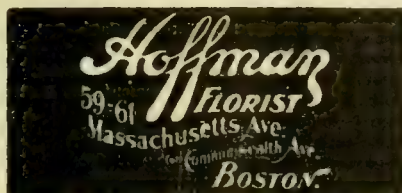
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Rockford, Ill.

H. W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

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HOUGHTON, MICH.—The Lakeside Floral Co. is going out of the bakery business, which has been an integral part of its establishment. The company's floral business has grown to such proportions that it has decided the room taken by the bakery department can be more profitably used by the floral department.

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**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in
Missouri, Kansas or Oklahoma.

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Flowers in any arrangement for all occasions,
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1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them
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Organized for prompt and efficient service to all parts of the civilized world.

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Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, Henry, Rockford, Ill.
California Florists, 907 Pacific Ave., Tacoma, Wash.

Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crumpp, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J. Philadelphia.
Heiml & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, florist, Boston.
Holm & Olson, St. Paul, Minn.
International Floral Assn., New York.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

Large, A., 44 E. Madison St., Chicago.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L. St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York; Cor. 14th and G Sts., Washington, D. C.
Smith, Henry, Grand Rapids, Mich.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wittbold Co., Geo., 737 Buckingham Pl., Chicago.
Wolfskill Bros., 216 W. 4th St., Los Angeles, Calif.
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Established 1849

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We Handle Everything in Season.

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Orders will be carefully cared for by

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High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



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Best Quality on Shortest Notice

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All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
Boston—Penn. the florist, 43 Bromfield St.
Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julian Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
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Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
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Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. Av.
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Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
New York—David Clark's Sons, 2139 Broadway.
New York—Dards, 44th and Madison Ave.
New York—International Floral Assn.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
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Rockford, Ill.—H. W. Buckbee.
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St. Paul, Minn.—L. L. May & Co.
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Tacoma, Wash.
Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
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St. Paul, Minn.

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ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

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Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty. **216 W. 4th St.**

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Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

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We deliver anywhere in Canada and guarantee
safe arrival.

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C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryc, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

THE cooler weather has improved the demand for Dutch bulbs and stocks of the more popular things in this line are running low.

HOLLY reports to date indicate that while the quantity in sight is not so large as last year, the crop is well berried, south as well as east.

THE sharp freezing weather of the past few days has reminded onion set growers of a large quantity of stock still unprotected in the fields.

CHICAGO.—Prices on the board of trade November 2 for grass seed were noted as follows: Timothy, \$8 to \$9 per 100 pounds. White clover, from \$20 to \$27.

BOUQUET GREEN picking has been favored by the fine weather of October but there is considerable uncertainty as to the quantity already picked and its condition owing to the growing tendency among the woodsmen to withhold facts with a view to advancing prices.

PHILADELPHIA, PA.—The Henry F. Michell Co. celebrated "New Home Week" October 31 to November 5 at its new quarters, 518 Market street, to which, for the past two years, the firm has been gradually transferring the business from the old location. The new building is one of the largest and most up-to-date seed houses in the country with an organization of nearly 100 employes thoroughly trained to care for the interests of the firm's many patrons.

Roemer's Novelties for 1911.

Among the many valuable novelties offered by Frederick Roemer, Quedlinburg, Germany, the following are noticeable and of interest to the growers:

Antirrhinum mangus grandiflorum Hephaestos, the brightest red in the class of large flowering snapdragons.

Godetia grandiflora lilaccina fl. pl., the first bluish shade in godetias and a novelty which will be welcome.

Petunia hybrida grandiflora superbissima fimbriata intus aurea, a bright

crimson and purple with wide open throat marked with yellow and black.

Gladiolus praecox lilac and reddish violet varieties and striped and variegated varieties, two distinct strains in the annual gladioli.

Statice sinuata rosea, a rose-colored statice surely a welcome addition.

Novelties in Asters: Extra early Hohenzollern, purplish violet; July ray aster, reddish violet; Christmas tree, brilliant carmine; Christmas tree comet, white, white changing to rose, brilliant carmine, light blue and reddish lilac; Giant Victoria, crimson on white ground, Noble aster, salmon rose; Ray aster, reddish brown; Japanese aster, dark scarlet. These are all new colors in their several classes.



Henry F. Michell Co.'s New Store.

Rear Entrance.

Bulb Industry of the Netherlands.

The following information concerning the bulb industry of the Netherlands is taken from an article entitled "Market Gardening in Holland," published in the Department of Agriculture Journal for Ireland, July, 1910:

Since 1750 the cultivation and export of bulbs has been regularly carried on in Holland, though the trade only reached its present enormous proportions during the last decades of the nineteenth century.

The bulb-growing industry was first confined to Haarlem and its vicinity, but has gradually extended wherever a suitable piece of land was available. In order to grow bulbs, meadows have been transformed and sand dunes leveled. The preparation of land for this purpose is often very costly, and the value of the best plots varies from £320 to £500 (\$1,557 to \$2,433) an acre.

The export statistics of the industry, which have been carefully kept since 1897, show that the total export has very largely increased in the last ten years. The value of this export cannot now be less than £800,000 (\$3,893,200). England is still Holland's best customer for bulbs, taking nearly 40 per cent of the total export. The number of bulb-exporting firms in Holland is about 200; there are also over 2,500 growers who do not export directly, but send their produce through the larger firms.

The Dutch bulb growers are organized into a general federation, which now numbers nearly 3,000 members, and is divided into 37 local groups. A paper is published twice a week, weekly exchanges are held during the trade season, novelties are examined and reported upon by a committee of judges, and a trade council inquires into and decides all trade differences. Many exhibitions have been organized by the federation, and of late exhibits have also been sent to foreign countries. In addition to the general federation, there are two special societies, one to protect the interests of bulb exporters and the other to protect those of growers who do not export.

The following statement showing the quantities of bulbs imported and exported into and from the Netherlands in 1908 and 1909, in pounds, is furnished by Consul Frank W. Mahin, of Amsterdam.

	Imports.	
	1908.	1909.
France, Belgium, Spain, Portugal and Greece....	748,040	1,008,040
Germany and Austria....	82,280	114,400
Russia	880	2,200
Scandinavia	11,220	3,960
United Kingdom	680,680	1,110,560
United States	438,240	396,440
All other countries.....	53,020	73,480
	Exports.	
	1908.	1909.
France, Belgium, Spain, Portugal and Greece....	1,634,600	2,079,220
Germany and Austria....	9,194,020	10,413,700
Russia	945,340	1,142,020
Scandinavia	2,600,840	3,760,680
United Kingdom	11,062,920	14,353,360
United States	6,006,000	7,668,040
All other countries.....	85,580	117,480

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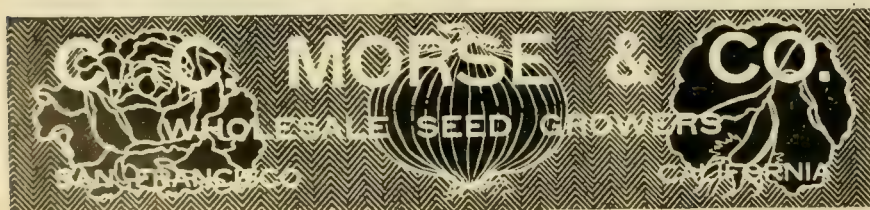
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We are Growers for the Wholesale Seed Trade.

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Grand Rapids, Mich.





BULBS Cut Price to Close.

Narcissus Paper White Grandiflora , Per 100		1000
Fancy grade (1,250 to case)		\$ 7.00
White Roman Hyacinths , 12 to 15 ctm. (2,000 to case)		18.00
Tulips , Belle Alliance	\$1.80	16.00
" Keizerskroon	1.25	11.00
Hyacinths , Bedding (17 ctm.), Blue, Red, White (separate)	2.25	20.00

STOKES' SEED STORE, 219 Market Street, PHILADELPHIA, PA.

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has **Removed** to
their Mammoth New Building,
518 Market Street, Philadelphia.

HENRY F. MICHELL CO.

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn. \$1.50	Yellow Bird Millet. \$1.75
Fancy Hemp Seed. 2.75	Bird Vetches 2.25
Sicily Canary Seed. 2.62	Red Bird Millet.... 2.25
German Bird Rape. 3.50	Canada Field Peas ... \$1.50 per bushel.

Terms: 1 per cent 10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLLIGANO & SON**, Importers and Wholesalers, Baltimore, Md. Established for 92 years.

S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Seed Station in Venezuela.

The Venezuelan Government, writes Consul Isaac A. Manning of La Guaira, has ordered the establishment of a section of plants and seeds under the agricultural division of the Ministry of Commerce (Fomento), which is charged with the monthly importation of seeds and plants approved by the Minister. The seeds will be carefully handled, and nurseries planted of seeds or of budded or grafted plants, which will be distributed monthly gratis to agriculturists. The section of plants and seeds will supply full instructions as to planting and cultivation, but will

THE J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.
Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

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SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

demand a report of the results obtained from each agriculturist or gardener. The Minister of Fomento, Plant and Seed Section, may be addressed at Caracas by anyone interested.

If your business demands a good article in Lily Bulbs you cannot do better than to buy **Horse-shoe Brand** Bulbs. They are produced by the best growers in Japan, and are positively the cream of the crop. Selected carefully, graded and packed by experienced Japanese, registered and sent to this market for those who are particular what kind they buy.

Our prices for November are as follows:

FORMOSAS

6x8-inch, \$20.00 per case of 400 bulbs.	
7x9 " 21.00 " 280 "	
8x10 " 21.60 " 240 "	
9x10 " 21.00 " 200 "	

MULTIFLORUM

7x9-inch, \$16.50 per case of 300 bulbs.	
8x10 " 16.25 " 250 "	
9x10 " 17.00 " 200 "	

GIGANTEUM

6x8-inch, \$20.00 per case of 400 bulbs.	
7x8 " 22.75 " 350 "	
7x9 " 22.50 " 300 "	
8x10 " 25.00 " 250 "	
9x10 " 22.00 " 200 "	
9x11 " 21.50 " 180 "	

F.o.b New York, Cincinnati or Chicago. You may have 5 per cent for cash with order during November only. Order now for delivery from Cold Storage during 1911.

A catalog free.



Ralph M. Ward & Company

"Not How Cheap—
But How Good."

12 WEST BROADWAY,

NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa. President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 503 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Mushroom Culture.

In almost every section of the country the first essential to successful mushroom culture is a house or shed that can be darkened at will, is not too much exposed to sun and wind and can be kept at a uniform temperature of 60° or thereabouts. No doubt there are places where mushrooms may be grown in outdoor beds, but these require more skill and attention than the indoor crops. Caves, underground cellars and similar places are often pressed into service by the mushroom grower and they are excellent for the purpose. Again some growers are successful with this crop under greenhouse benches devoted to other crops, but this is not generally a satisfactory method of culture, owing to fluctuations of temperature and the inability to control the water-supply owing to drip from the benches. Beds one foot thick and from four to five feet wide, according to convenience, are best.

Whatever method is followed it is absolutely necessary that good manure is procured and properly prepared. The manure as it comes from the stables of horses fed on dry food should be laid out thinly on the floor of a shed or, if in the open air, some method of covering should be furnished against heavy rains. Where the daily supply of manure is large, nothing else need be done to it until there is a sufficiency for one bed or more. But where a considerable time elapses it will probably be necessary to turn the manure over. When enough has been gathered, begin at one end of the pile and shake out the greater part of the straw, throwing this to one side for use in covering the beds later. The remaining portion should be thrown into a compact heap, about six feet wide at the base, and tapering to a point about six feet high. If good fibry loam is plentiful, add about one part in ten, as the work of turning proceeds. In about a week or ten days the pile must be turned again, throwing the outside to the middle and the top to the bottom as much as possible, at the same time shaking the manure well to allow of the escape of the rank smell.

About three turnings are usually necessary and by this time the manure will be in a uniform condition, no part being over-heated or over-dried. When placing the manure in position it should again be well shaken out and placed in thin layers, these being well rammed as the work proceeds to insure a thoroughly solid mass when finished. As to the time of spawning, some growers are in the habit of waiting until the beds have heated up and then declined to a stated figure. But if the manure has been properly prepared and the beds are made thoroughly firm, as advised above, there is no need of waiting. It is always safest to use large pieces of spawn, the ordinary brick being broken into eight pieces. Then, should the outside of the spawn become a little over heated, there is plenty of live mycelium in the lump and no fear need be entertained if the spawn is fresh and good. Here it may be well to warn growers against spawn which, on being broken open, discloses a lot of little white spots about the size of a pin head. Good, fresh spawn should have the white cottony threads of the mycelium running uniformly throughout the whole mass. In placing

the spawn never use a dibber; just lift the manure, push the lump of spawn in with the hand and ram the manure firmly down in place again. Thus no holes are left for the escape of the heat and the influx of air to dry out the spawn.

Usually the beds will be fit for soiling about one week after spawning, but if there is any doubt about the manure being warm enough it should be soiled and covered with the straw shaken out of the manure at once. For covering the beds clean loam is the best, but if this cannot be had any good garden soil will answer if the top inch or so is removed. From one to two inches of soil, according as this is heavy or light, will suffice and it should be in a moderately moist condition, not dry enough to need watering or wet enough to cake up when rammed in place. Cover at once with straw and maintain a moist atmosphere in the house by dampening all available walks, but not watering the beds direct. The art of keeping a mushroom bed moist without frequent direct watering is not an easy one to attain, but one that is very necessary to success. The first mushrooms will appear in about

five weeks and the beds if properly handled will go on bearing for months. One of the best stimulants for mushrooms is common salt. A light dressing of about one ounce to the square yard should be given weekly. The beds should be uncovered as little as possible, as the light spoils the pure white that is so desirable in first-class produce.
H. R. R.

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession	\$.20	\$1.00
Lettuce, Grand Rapids Big Boston		
Boston Market and Tennis Ball	.20	1.00
Parsley	.30	1.25

— Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



ENGLISH, Best quality, arriving constantly.
Spawn is from 25 lbs. \$2.00
selected specimens 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City 25 bricks \$ 3.50
Pure Culture 100 bricks 12.00

VAUGHAN'S SEED STORE,
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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spaw

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address American Spawn Co., St. Paul, Minn

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TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

Bay Trees, Boxwood,

Evergreens and Conifers,
Rhododendrons and Herbaceous
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.
Japan Iris, in 10 best named varieties, 8.00 per 100.

Nurserymen
and Florists

Rutherford, N. J.

Don't Be Satisfied With Anything But The Best

In placing your order for

Craig Quality Stock

You can insure yourself against inferior goods. Our stock is the highest quality obtainable, and we solicit your valued orders. We have thousands of satisfied customers.

WHY NOT YOU?

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-in. pots, 2 feet tall.....\$2.00 each
6-in. pots, 2½ feet tall.....2.50 each
7-in. pots, 3 feet tall.....3.00 each
8-in. pots, 4 feet tall.....4.00 each
10-in. and 11-in. tubs, 5 to 7 feet tall.....\$5.56, 7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at \$2.50, \$3.00, \$3.50, \$4.00, \$5.00, \$6.00 and \$7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots.....\$25.00 per 100
5-in. pots.....50c, 75c and \$1.00 each
6-in. pots.....75c, \$1.00, \$1.25, \$1.50 and \$2.00 each
7-in. pots.....\$2.00, \$2.50 and \$3.00 each
8-in. pots.....3.00, 3.50 and 4.00 each
10-in. ½ pans... 5.00, 6.00 and 7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots.....\$1.50, \$2.00, \$2.50

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots.....\$18.00 per doz.
7-in. pots.....24.00 per doz.
8-in. pots.....\$30.00 and 36.00 per doz.
9-in. pots.....48.00 per doz.
10-in. pots.....\$5.00 and \$6.00 each

Dracena Amabilis

6-in. pots.....\$18.00 per doz.
8-in. pots.....\$2.00 and \$2.50 each

Dracena Fragrans

Ready now.
5-in. pots.....\$5.00 and \$6.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine:

8-in. pots.....\$30.00 per doz.
8-in. tubs.....3.50 and \$4.00 each

Pandanus Uilis

Superb stock.
8-in. pots, strong plants.....\$18.00 and \$24.00 doz.

Boxwood Just Arrived

We have an unusually large stock of fine plants of all sizes.

For window boxes, 10-in. to 12-in.....15c, 20c, 25c each
Heavy stock.....35c, 50c, 60c, 75c each
Ball shape.....\$1.00, \$1.25, \$1.50 each
Heavy bush form.....\$1.00, \$1.25, \$1.50 each
Pyramids.....\$2.25, \$3.00, \$3.50, \$4.00, \$5.00 each
Pyramids, square shape, very handsome, in fancy tubs.....\$12.50 each

It will be well to place your order for above at once. We will hold same for future delivery or ship at once.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers..\$9 doz., \$70.00 100
6-in. pots, 5 tiers.....\$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....\$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall.....24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall.....30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall.....36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall.....3.50 Each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at \$2.60, \$3.00 and \$3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern.
6-in. pots.....\$6.00 and \$9.00 doz.

Neph. Todeaoides

London Fern.
This variety we consider the best of the upright growing class.

2½-in. pots.....\$5.00 per 100, \$45.00 per 1,000
4-in. pots.....\$20.00 per 100
6-in. pots.....\$6.00 and \$9.00 per doz.
8-in. pots.....\$12.00 per doz.
10-in. pots.....\$18.00 and \$24.00 per doz.
11-in. tubs.....\$24.00 per doz.

Neph Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.
2½-in. pots.....\$8.00 per 100, \$75.00 per 1,000
6-in. ¾ pans, heavy.....\$6.00 and \$9.00 per doz.
8-in. ¾ pans, heavy.....\$15.00 per doz.
10-in. ¾ pans, heavy.....\$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.
6-in. pots, strong plants.....\$6.00 and \$9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2½-in. pots.....\$10.00 per 100, \$90.00 per 1,000
4-in. pots.....\$25.00 per 100
6-in. pots.....\$6.00 and \$9.00 per doz.
8-in. pans.....\$15.00 per doz.

Neph Scottii

Our stock in superb condition.

2½-in. pots.....\$5.00 per 100, \$45.00 per 1,000
4-in. pots.....\$25.00 per 100
6-in. pots.....\$6.00 per doz., \$45.00 per 100
8-in. pans.....\$12.00 per doz.
10-in. pans.....\$18.00 per doz.
11-in. tubs, heavy.....\$2.00 and \$2.50 each

Asparagus Plumosus Nanus

2½-in. pots.....\$4.00 per 100, \$35.00 per 1,000
3-in. pots.....\$7.00 per 100, \$65.00 per 1,000

Pandanus Pacifica

Very handsome plants.
11-in. tubs.....\$2.50, \$3.00, \$3.50 and \$4.00 each

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy.....\$50.00 per 100, \$450.00 per 1,000
6-in. pots, very heavy.....\$75.00 per 100
We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.
4-in. pots.....\$25.00 per 100
5-in. pots.....\$6.00, \$9.00 and \$12.00 per doz.
6-in. pots.....\$12.00, \$15.00, \$18.00 and \$24.00 doz.
7-in. pots.....\$2.50 each
8-in. specimen plants.....\$3.00 and \$3.50 each

Gardenia Veitchii

Strong plants.
2½-in. pots, heavy.....\$8.00 per 100, \$75.00 per 1,000
4-in. pots, heavy.....\$20.00 per 100, \$180.00 per 1,000
6-in. pots, heavy.....\$50.00 per 100
7-in. pots, heavy.....\$9.00 per doz., \$70.00 per 100
The above will make grand stock for Winter blooming.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America and are in a position to ship plants the following sizes in full bloom at once:
6-in. pots, very heavy.....\$12.00 per doz.
7-in. pots, very heavy.....\$15.00 and \$18.00 per doz.
8-in. pots, very heavy.....\$24.00 and \$30.00 per doz.
These can be used to advantage during November.

Send us your sample order now, see the quality, and then mail us your Christmas order.

Robert Craig Company,

Branch: Norwood, Pa.

4900 Market St., PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

W.P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

Notes From the Arnold Arboretum.

The nurseries and frame grounds in the Arnold Arboretum, at the present time, contain an enormous number of seedlings, raised from the seeds sent to Dr. Sargent from China by E. H. Wilson, who has been collecting there during recent years. Mr. Wilson has discovered a very large number of new species of deciduous trees, shrubs and evergreens, in the various provinces of China, where he has botanized, and to see the immense number of seedlings in the Arboretum, which Jackson Dawson has so successfully raised, at once suggests the impression that this work is bound to have a far-reaching effect on the parks and gardens of America and Europe. Whilst some of the new species may be somewhat tender in the northeastern states, there seems to be no question about the most of them being hardy, and many of them highly ornamental. Many valuable plants already decorate our parks and gardens from the Chinese Empire, and with the rich discoveries recently brought to light by Mr. Wilson, and as Dr. Sargent said to the writer, that there were undoubtedly large numbers of new species of plants yet to be discovered in the future in the interior of China; what a large amount of ornamental material will be available in the future, for the decoration of parks and gardens.

The trees and shrubs discovered by Mr. Wilson extend through many genera. Some of the most important genera are Acer, Berberis, Cornus, Deutzia, Hydrangea, Magnolia, Molus, Philadelphus, Pyrus, Quercus, Salix, Tilia; and amongst evergreens Abies, Picea, Pinus and Rhododendron. Through all of these and many others he has found numerous species. One new genus has been adopted for a new type, and perhaps more will have to be formed. In his present journey in China Mr. Wilson is particularly looking for the seeds of conifers, of which he found many new species, but at the time of his previous journey, all conifers were fruiting sparingly and a supply of seeds could not be procured.

Dr. Sargent is highly pleased over the fact that Mr. Wilson has found the Moutan Pæony, growing in a wild state in the interior of China, and states that he (Mr. Wilson) is the only white man who has ever discovered it, or has seen it to recognize it in its native habitat. All of the plants in cultivation now in occidental countries have been introduced from cultivated stock in China. Dr. Sargent regards this discovery as most important, as new vigor and much stronger vitality can undoubtedly be imbued in some of the best cultivated forms by crossing with the wild form, and a much more virile race procured for the decoration of gardens than we at present have. This is certainly a desideratum, for whilst we have most beautiful and showy varieties of the Moutan Pæony, they lack vigorous constitution.

MANETTI

In another month you will need good stock for grafting. We have just what you want. Place your order now so that you can get it when you need it.

For December and January Delivery

English.....per 100, \$1.75; per 1000, \$13.50; 5000 for \$60.00
French.....per 100, 1.50; per 1000, 12.00; 5000 for 50.00

Why not let us book you for your supply of dormant
Roses, Vines and Shrubbery.

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....\$15.00 per 100
" " Pink.....9.00 per 100
" " Red.....10.00 per 100
Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
Wholesale catalog for fall issued Sept. 1st.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Eugene Pitou, Jr.

CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Considerable interest is shown in the Arboretum in one of the plants introduced from China: Eucommia ulmoides; a rapid growing deciduous arborescent shrub, with large handsome elm-like leaves. It is said to possess important caoutchouc properties and there is a strong probability that it may become valuable to grow it economically in the northeastern states, as so far it appears to be quite hardy. Gutta-percha producing plants are mostly tropical or sub-tropical and a hardy plant that would produce this in profitable abundance would be of inestimable value. JOHN DUNBAR.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN,

MASS.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co.,

NAARDEN
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

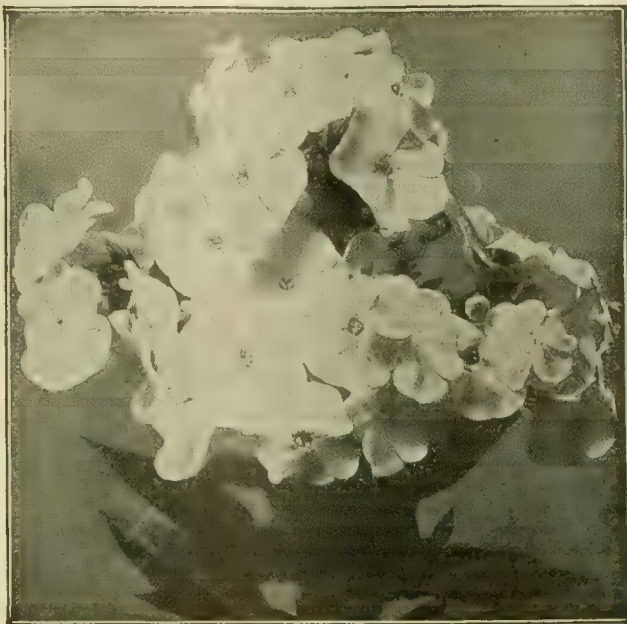
We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglac Adanson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Sellier (Dwarf). Bright reddish-violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Collibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elysee (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf, pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate, pale rose mauve, with claret-red eye.

George A. Strohlein (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovannelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Hentsz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM Hardy Lilies

Tenuifolium, Wallacei, Hansonii, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

Write for Prices.
E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereoscopic lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement page 504, Oct. 1 issue

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viand, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

Whitman Ferns, 4-in. 25c each. 5-in. 35c.

Boston Ferns, 5-in. 25c each.

Vinca Var., 2-in. \$2.00 per 100.

Roses, Bride Maids and Gates, Killarney, 3-in., \$5.00 per 100

Dracena Ind., 4-in., \$10.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing

Heating Problems.

ED. AMERICAN FLORIST:—

We wish to know whether a two-inch riser from the boiler, which has no larger opening, would be large enough to feed the following system: We have three connecting houses, each 20x50 feet. The flow is to reach its highest point above the boiler, branch out into three two-inch flows, one for each house, dropping from the boiler to the farthest end, and each flow returning in five two-inch pipes, or fifteen returns to the boiler. Is anything gained by adding a three-inch riser to the two-inch opening at the boiler, or would two flows, say, through the middle house and returning in nine two-inch returns be better. Temperature seldom below 20° above and shed running the full length of gables at north end.

DIXIE.

The sketch which accompanies the question shows a head pipe running across the ends of the three houses at the height of six feet. From this one flow pipe runs down the center of each house with a fall of one inch in ten feet. At the farther end of the houses the flow pipe branches and feeds the five returns, of which three are on one side and two on the other side of each of the three houses. None of the pipes are larger than two inch.

From the above it is evident that there is not far from one thousand linear feet of two-inch pipe or 625 square feet of heating surface. To supply the water for such a system the connection with the boiler should be by means of a three-inch pipe, and if the flow pipes in the different houses could be 2½-inch the circulation would be all the better. If it is not possible to tap the boiler for three-inch flow and return pipes, it would answer if, in addition to the present two-inch connections, which would answer for one of the houses, the boiler be tapped for 2½-inch flow and return pipes, which could run to the other two houses. Failing in this, it would be helpful if 2½-inch flow and return head pipes be put in, from which a three-inch pipe is run to the boiler and reduced to two-inch as close to the boiler as possible. The circulation will then be materially better than as now arranged, when all of the pipes are two-inch.

L. R. T.

Carnation Flowering Time.

ED. AMERICAN FLORIST:—

When will carnations bloom? planted now. C. S.

Carnation plants set out in the houses the first of September if in proper condition when planted will begin to bloom in three or four weeks. W.

Surplus Shrubs, Roses Dahlias and Other Stock

We have the finest lot of large-sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices:

Hydrangea paniculata grandiflora

2-ft. 5 to 8 branches \$8.00
18-in. 3 to 5 branches 6.00
12-in. 2 to 4 branches 5.00

Viburnum plicatum, extra fine stock

4 to 6 ft., 6 to 8 branches \$8.00
2 to 3 ft., 4 to 6 branches 5.00
6 to 8 in., 1 to 3 branches 3.00

Altheas, all colors, fine plants

18 to 24-in., 4 to 8 branches \$4.00

Berberis Thunbergi

Splendidly branched 100
10 to 13-in., 6 to 8 branches \$5.00
8 to 10 in., 4 to 5 branches 4.00

California Privet

Magnificent stock 100
2 years planted, 15 to 20 branches \$6.00
1 year planted 5 to 8 branches 3.00

Clematis paniculata

Extra-strong plants 100
3 years old \$10.00

FOR FLORISTS' USE:

Roses

All on their own roots, field grown, fine, strong and thrifty.

M. S. David Jardine, Killarney, Richmond, American Beauty, Kaiserin, Gen. Jacqueminot, (bench stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H. P.'s 15c each

White and Pink Cochet, Mrs. B. R. Cant and Wm. R. Smith, all field grown. 20c each

We can also supply, in strong young pots, plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.

Dahlias

Great clumps in splendid shape. All the leading sorts.

\$5 per 100; \$45 per 1,000
Send for list of splendid varieties, all kinds.

THE DINGEE & CONARD CO.,

Cannas

Many of the best varieties. Divided roots, \$3 per 100. Send for list.

Asparagus

Both Sprengeri and plumosus—and

Maldenhair Fern

Extra-fine, strong clumps, grown under ideal conditions every plant perfect. Just the thing for home decoration, 15c each, in any quantity.

Violets

Immense, field-grown clumps, both double and single \$3 per 100.

There is big money for you in all these items. Let us hear from you. We need the room and you need the stock.

West Grove, Pa.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the Best.

S. A. Nutt, \$11.50 per 1000.

Poitevine, 14.00 per 1000.

Ricard, 14.00 Per 1000.

All sold until December. Expect to have about 75,000 ready week of December 12th. To be sure of December delivery, better get your order placed now.

Coleus. As fine a collection as any in the world. Can furnish them by the 100,000 in season; now if you want them.

A. M. HERR,
LANCASTER, PA.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

PITTSBURG, PA.—The H. C. Frick conservatories, Penn and Homewood avenues, were opened to the public October 16, for their chrysanthemum show and will remain open throughout the winter. There will be a display of begonias, orchids, roses, carnations and other plants, and an electrical display every Sunday evening.

WE WISH

To Call Your Attention to the Following Stock:

Jerusalem Cherries in flower and fruit, 2½-in., at \$5.00; 3-in., \$10.00; 4-in., \$12.50.

Celestial Peppers, fine lot of 3-in., \$8.00; 4-in., \$12.50.

Cyclamen, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$20.00; 5-in., for Christmas, at \$35.00.

Gloire de Lorraine, 3½-in., will make fine 5-in. for Christmas, 35 cents each. 4-in., 40 cents; 5-in., 50 cents

Fancy Rex, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$25.00.

Flowering Begonias, 2½-in.; \$5.00; 3-in., \$10.00.

Poinsettias, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$15.00; 5-in. stock at 35 cents.

Primroses, Obconica and Chinese, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$12.50.

Japanese Air Plants, in baskets, at \$1.50; \$2.00 and \$3.00 per dozen.

Green Moss Wreaths, with red, pink and white cape flowers, 10-in., at \$1.50; 12-in., \$2.00; 14-in., \$3.00 per dozen.

Write us about **Hydrangeas**, 2½-in., 3-in., 4-in., 5-in., 6-in., 8-in., and 10-in. in sizes.

Write for our fern list. Special bargains. We shall be glad for a trial order from you.

GEO. A. KUHL,
Wholesale Grower, PEKIN, ILLINOIS

SMITH'S

Chrysanthemum Manual

40c, prepaid.

ELMER D. SMITH & CO., Adrian, Mich.

HOME AGAIN!

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, looking after the interests of his countless customers, and is as lively and as jolly as ever. **Leader in our specialty, the Araucarias, 8,000 in all sizes now ready; more coming.** See us growing. Remember this is our 25th anniversary in importing and shipping Araucarias. Ready for business. Can handle the largest order at short notice.

AZALEA INDICA.

Owing to the cold and wet weather this summer in Belgium and the large demand all over the world, Azaleas this year are very scarce and high in price. But in spite of all that, I want all florists to know that I have just arrived from Europe with the finest cargo of **Azalea Indica** obtainable in Ghent. My grower over there always looks after my interests and has reserved for me the cream of his 200 acre azalea field—my own pick.

☞ When a cigarmaker smokes a cigar, what will he smoke? The worst? No. The fragrant aroma of his production will tell his customers what a fine cigar he makes. So do I. What I force for myself is surely good enough for you, as I send my customers the same kind I force.

☞ **Now is the Time to Force Azaleas for Christmas.** What varieties will you take? Which ones will force well? Take my advice. There is the *Deutsche Perle*, one of the best well known double whites: we have plants of these at 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Next, *Simon Mardner* double bright pink, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Vervaneana* is so well known that there is no need to talk about it; big, variegated rosy flowers, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Apollo*, single, red varieties; it is a deep pink, much admired, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Dozen and hundred at the same price. How about *Mme. Patrick*? This is one of the earliest pink varieties, very scarce this year in Belgium and high in price; a few of this variety you must have. Price: \$1.00 \$1.25, \$1.50 to \$2.00.

☞ **For Easter Forcing** we have only the well known standard American market varieties, such as *Mme. Van der Cruysen*, pink, very scarce this year in Belgium, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; *Niobe*, double white, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; *Deutsche Perle*, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; *Helena Thielman*, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; *President Oswald de Kerkove*, \$1.00 to \$1.50; *Schryveriana*, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; *Emoress of India*, double variegated, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Professor Wolters*, 75c, \$1.00, \$1.25 to \$1.50; *Vervaneana*, 60c, 75c, \$1.00, \$1.25 to \$1.50; *Apollo*, 60c, 75c, \$1.00 to \$1.25; *Simon Mardner*, 50c, 60c, 75c, \$1.00 to \$1.50.

☞ Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

☞ Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money.

GODFREY ASCHMANN,

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

Mention the American Florist when writing

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

Mention the American Florist when writing

LEADER

in

FERNS

Scottii, *Scholzeli*, *Whitmani*, *Boston*. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Begonia Gloire de Lorraine

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich, deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big house full in 6 to 7 in. sizes in bud and partly in bloom ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best *Begonia Gloire de Lorraine* on the market. They were crackjacks indeed! We have the deep pink and the light pink (*Lonsdale*) varieties. 6 in. pots, 50c, 75c to \$1.00; 7 in., \$1.25 to \$1.50; 3 in. (if transplanted soon) will make good 4 in. for Christmas). 15c each \$15.00 per 100. If you have room you should order now, because they are always scarce at Christmas.

Begonia Erfordii, latest improvement: this variety is always in full bloom during winter Christmas and Easter; 4 in. pots, in bloom and bud, 20c.

Cash with order, please.

All plants must travel at purchaser's risk.

LEADER

in

Begonia Gloire de Lorraine,

Kentias,
Palms,
Rubbers,
Etc.

We lead you into wealth.

☞ Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, *Excelsa Glauca*, 6 in. pots \$1.00, \$1.25, \$1.50 to \$2.00 each.

Dracena Bruanti, 25 to 30 in. high, 6 in. pots, 40c to 50c.

Latania Borbonica (Chinese Fan Palms), 30 to 30 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Kentia Forsteriana, in fine shape 6 in. pots 30 35 40 45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each; 4 in., 35c each, 25 in. high.

Kentia Belmoreana, 25 30 35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4 in., 25c each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00, \$1.25 to \$1.50.

Our Ferns this year are exceptionally very fine. *Boston*, *Scottii*, *Whitmani* and *Scholzeli*, 5½ and 6 in., 35c, 40 and 50c; 7 in., large bushy plants, 75c to \$1.00. Remember, all our Ferns are pot grown, not lifted from benches.

Pteris Wilsonii, 3 large bushy plants in 6 in. pan, 30c to 35c per pan.

Neph. Todeoides, New London Fern 2½ in., 5c; 3 in., 7c.

Special to Close Out: 4 in. *Whitmani* and *Scottii* Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

Rubber Plants, 6 in. pots, 35c, 40c and 50c.

Asparagus Plumosus, 2½ in. 3c; 3 in. 5c; 4 in. 10c.

Asparagus Sprengeri, 2½ in., 3c.

Sago Palms, 6-7 8 in. pots, from 9 to 13 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Cocos Weddelliana, combination plants, 3 plants in a 5 in. pot, 20 to 25 in. high; price, 50c.

Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; and 4 in., 12c.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Primula Obconica, best strain, 4 in., 10c; 5 in., in bloom, 15c; 6 in., 25c.

Primula Chinensis, 4 in. pots, \$10.00 per 100.

We have an unsurpassed strain of *Solanum Multiflorum* (Jerusalem Cherries). Can offer only a limited quantity. 3½ in. pots, strong, \$5.00 per 100.

Hydrangea Otaksa, pot-grown, 6 in., 25c.

Wholesale Grower and Importer of Potted Plants,
1012 West Ontario Street,

Philadelphia, Pa.

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our **Fall Bulb and Seed Catalogue**, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,
342 W. 14th St., NEW YORK CITY.

Mention the American Florist when writing

FERNS

2½ in. *Whitmani* and *Amerpohli*, \$5.00 per 100. First class stock ready for shift.

SUPERIOR NURSERY CO.

59th & Compton Sts., LOS ANGELES, CAL.
Mention the American Florist when writing

SPECIALTIES.

Roses, from 3 in pots. *Chrysanthemums*
Carnations for fall delivery. *Smilax*, *Violets*

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Tell Your Dealer You "Saw It in THE FLORIST."

TRADE LIST

CLEMATIS paniculata, strong plants, \$10.00 per 100.
ASPARAGUS Sprengerii, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100.
BEGONIA Vernon, 4-in. pots, in bloom, \$1.00 per doz.
STEVIA, dwarf, 4½-in. pots, \$1.00 per doz.
CROTONS, from 4-in. pots, \$2.00 per doz.; 3-in. pots, \$1.50 per doz.
AMPELOPSIS Veitchii, 4 in. pots, \$10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c each.
RUBBER PLANTS, 5-in. pots, 25c each; 6-in. pots, 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, \$3.00 per 100.
BOSTON FERNS, 4 in. pots, \$1.50 per doz.; 5-in. pots, \$2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

Carnations Rooted Cuttings

Our Leaders for 1911:

White Wonder,
 Gloriosa,
 Pink Delight,
 Scarlet Glow.

Send for price list.

F. DORNER & SONS CO.
 La Fayette, Ind.

Mention the American Florist when writing

First Aid to Rose Buyers

Fall Price List—200 sorts.

THE LEEDLE FLORAL COMPANY
 SPRINGFIELD-OHIO.

Mention the American Florist when writing

Stock 'Mum Plants

Yellow Ivory, (new)..... } \$2.50 per doz.
 White Helen Fick, (new)... } 15.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the American Florist when writing

PEKIN, ILL.—George A. Kuhl made very nearly a clean sweep with his flower entries at the Springfield state fair, winning thirteen prizes with thirteen entries.

SPRINGFIELD, O.—The annual meeting and banquet of the Florists' Club was held at the Bookwalter Hotel October 10, and the feature of the meeting was the appeal for more generous planting of flowers by the citizens and the city itself.

SCRANTON, PENN.—The display of plants, ferns and flowers of G. R. Clark at the Industrial Exposition was one of the features and a marked beauty spot in the armory. Isaac Summerhill had charge and the roses, palms and ferns were very tastefully arranged. A large number of cattleyas were particularly admired.

Seasonable Stock

Bulbs

Kentia Belmoreana, 2½-in. pot plants \$3.00 per 100; 3-in. pot plants, \$15.00 per 100; 4-in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.
Primula Sinensis Fimbriata, pink and red, 3-in. pot plants \$4.00 per 100.
Primula Obconica Grandiflora, pink, red and white, 2½ in pot plants, \$2.50 per 100.
Celestial or Christmas Peppers, 4-in. pot plants, \$4.00 per 100.
Nephrolepis Superbissima, Scholzei and Scottii, 5-in. pot plants at \$4.00 per doz.; \$25.00 per 100.
Nephrolepis Whitmani, 5-in. pot plants \$4.00 per doz.; \$25.00 per 100.
Vinca Variegata, field grown, at \$4.00 per 100.
Gladlolus, Blushing Bride and The Bride, 60c. per 100; \$5.00 per 1000.

Hyacinths, 15 centimeters fine bedding stock, colors separate, \$2.25 per 100; \$20.00 per 1000.

Narcissus Von Sien, select forcing stock, single nose \$11.75 per 1000.

Narcissus, Paper White Grandiflora, 13 centimeters and up, \$1.00 per 100; \$9.00 per 1000.

Hyacinths, White Romans, 12-15 centimeters, \$2.00 per 100; \$17.00 per 1000.

Narcissus, Trumpet Major, French grown, \$1.00 per 100; \$9.00 per 1000.

Spirea, large flowering clumps, Gladstone, \$9.00 per 100; Queen Alexandra, \$12.00 per 100.

Astilboides, Florabunda, \$4.50 per 100; Superba, \$6.00 per 100; Blondin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Pansy Plants Primroses

	Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50
Asp. Sprengerii, 2½ in. pots.....	2 00	
Vinca Var., from field.....		4 00

	Per 1000	Per 100
Chinese, 2½-in. pot.....	\$12 00	\$1 50
Obc. Alba and Rosea.....		1 50
Obc. Gigantea.....		2 00

—Cash,—

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On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly.

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Sprengerii 2-in., \$25.00 per 1000.

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 Plumosus Nanus..... 3 00 25 00

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 NEWARK, Wayne County. NEW YORK

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2½-in.....	\$3.50	\$30.00

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 Elegantiissima, for 3-in. 6c.; 4 in. 10c; 5-in. 12½c
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 Scottii, for 3-inch 6c.
 Paris Daisy, yellow, 2-inch. 2c.
 Feverfew Gem, 2 inch. 2c.
 Ageratum and Salvia, 2-inch. 1½c.
 Rubbers, 5-inch, 25c to close out.
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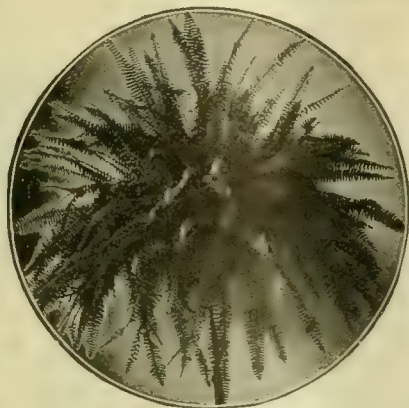
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Pot	Dozen	100
2½-in.	\$ 50	\$ 4 00
3-in.	1 00	8 00
4-in.	1 50	12 00
5-in.	3 00	25 00
6-in.	6 00	45 00
7-in.	9 00	70 00
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Send for complete list of Palms and Ferns.

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Gov. Herrick, Princess of Wales, fine
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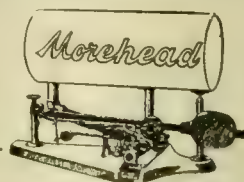
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AMPELOPSIS VEITCHII, 2½-in., fine stock, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Ampelopsis Veitchii, 4-in., \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Araucaria excelsa, 5-in. pots, 4 and 5 tiers, \$9.00 per doz.; \$70 per 100; 6-in. pots, 5 tiers, \$12 per doz. Robert Craig Co., 49th and Market Sts., Philadelphia.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c each. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprengeri, 2½-in., 2c; 3-in., 4c; fine 4-in. stock ready for bunching, 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

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Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Sprengeri, 2-in., \$25 per 1,000. Poebmann Bros. Co., Morton Grove, Ill.

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Asparagus Sprengeri and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

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Azaleas. Jacs Smits, Naarden, Holland.

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Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Gladiolus bulbs, fine mixture, large flowers, \$4, \$5, \$6 and \$7 per 1,000. Robt. Mehlmann, Oshkosh, Wis.

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Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Chrysanthemums, leading vars. Wood-Bros., Fishkill, N. Y.

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CYCLAMEN, fine selected strain, 3-in., at 25c; 4-in. at 35c; 5-in. at 50c; 6-in. at 75c; 4, 5 and 6-in. in bloom. The Park Floral Company, 1706 Broadway, Denver, Colo.

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Cyclamen. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Cyclamen, finest giant strain, good stock plants full of buds, 7 colors, mixed, 3-in., 7½c. J. L. Schiller, Toledo, O.

Cyclamens, extra well budded 4-in., \$10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Dahlias, 2,500 field clumps as dug. Best cut flower varieties cheap for cash or exchange. Geo. H. Walker, No. Dighton, Mass.

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Dracena Indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena Indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

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Ferns from benches, Boston, Elegantissima, 3-in., 80c; 4-in., 10c; 5-in., 12 1/2c. Whitman, 3, 4 and 5-in., 8c, 12c, 15c. Amerpohl, 3-in., 8c; 4-in., 12c. Scottil, 3-in. 6c; 4-in., 10c. Runners, Boston, Elegantissima, Scottil, \$1 per 100. Whitman, Amerpohl, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Amerpohl, Todeaoides, Scholzei, Elegantissima improved and compacta, Scottil. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Boston, Pieroni, 2 1/4-in., 4c; 3-in., 8c. Elegantissima, 3-in., 10c; 2 1/4-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, N. Superbissima, Scholzei, Scottil, 5-in., \$4 per doz.; \$25 per 100. Whitman, 5-in., \$4 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, 2 1/4-in., \$30 per 1,000. Whitman, 2 1/4-in., \$5 per 100; \$40 per 1,000. Magnifica, 2 1/4-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz.; 5-in., \$2. Ferns for dishes, 2 1/4-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ferns, Heavy plants, Boston, Pieroni, Elegantissima, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman and Boston, 2 1/4-in., \$3.00 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Ferns, Boston and Whitman, 2 1/4-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pieroni Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2 1/4-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrasi, 2 1/4-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatrasi, 463 Summit Ave., West Hoboken, N. J.

Ferns, Whitman and Amerpohl, \$5.00 per 100. Superior Nursery Co., Los Angeles, Calif.

Maidenhair ferns, clumps, 15c each. Dingee & Conard Co., West Grove, Pa.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 5-in., 25c each; 6-in., 35c. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Ficus Pandurata. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ficus, 5-in., 25c, to close out. Byer Bros., Chambersburg, Pa.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, hardy, early flowering, blue. Fine field-grown stock, \$4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GARDENIAS

Gardenia Veitchii, strong plants. For sizes and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

GERANIUMS.

Geraniums from 2-in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2 per 100; \$18.50 per 1,000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3 per 100; \$25 per 1,000. Pelargoniums, Mme. Laval, \$5 per 100. Cash with order. Write for geranium catalogue. A. D. Root, Wooster, Ohio.

Geranium rooted cuttings now ready. Nutt, \$1 per 100; \$10 per 1,000. Ricard and Jean Vland, \$1.25 per 100. All top cuttings. Jacob Doerr, R. 1, Columbia, Pa.

Geraniums, 20,000 S. A. Nutt, strong rooted cuttings for immediate delivery, \$1.25 per 100; \$12 per 1,000. Cash. The W. F. Buckley Co., Springfield, Ill.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Dansville, Ill.

Geraniums, R. C. S. A. Nutt; \$11.50 per 1,000. Poltevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties, 2 1/4-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Boxwood Sprays, cut to order from either the tree variety (long sprays) or the hedge variety (short sprays), packed only in 50 pound crates. Jones, the Holly Wreath Man, Milton, Delaware.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 23th St., New York.

Holly. Extra selected holly cut to order. If you have not received our price list of other evergreens, write for it at once. Jones, the Holly Wreath Man, Milton, Delaware.

Greens, fancy holly, sheet moss, laurel, autumn foliage, mistletoe. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Sphagnum moss, per bale, 75c; 10 bales, \$6.50. Chas. F. Uecke, New London, Wis.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

IRIS GERMANICA florabillia, Atropurpurea, Madam Cheraud, Queen of Gypsies, Spectabilis, Virginia, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. JAPANESE, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hardy Phlox. 20 best varieties, all colors, one-year field grown plants, \$3.00 per 100; \$27.50 per 1,000. Can deliver at once. The Good & Reese Co., Springfield, O.

Perennials. McHutchison & Co., 17 Murray St., New York.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

New Hydrangea Arborescens Grandiflora Alba, the new forcing Hydrangea, two-year, field grown, \$2.00 per doz.; \$14 per 100; \$120 per 1,000. The Good & Reese Co., Springfield, O.

10,000 Hydrangea Otaksa, pot-grown, 4-in., \$8 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, field-grown, 6 and more crowns, \$15 per 100. Skidelsky & Irwin Co., 1215 Beltz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

JERUSALEM CHERRIES.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem cherries, heavy, field-grown plants, full of berries and blossoms, \$6 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Jerusalem Cherries. 3 1/2-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, Bruant's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

LILACS.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grades of pipe grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

LOBELIA.

Lobelia cardinalis seed for sale, 1910 crop. For prices apply to John Tiplady, Lake Forest, Ill.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$8.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Viburnum plicatum, Hydrangea paniculata grandis, Altheas, Berberis Thunbergi, California privet, Clematis paniculata. See advertisement elsewhere in this issue for varieties and prices. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, kunkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery Stock, Large Evergreen trees, Cedars, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Nursery stock, arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, plants, Masterpiece, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

800,000 Brown's Improved Giant Prize Pansies, fine stock plants, \$3 per 1,000; \$2.50 in 5,000 lots; mixed and separate colors. Cash with order. Peter Brown, Lancaster, Pa.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, open frame-grown, stocky plants, Trimardeau and Vaughan's giant mixture, 50c per 100; \$4 per 1,000. Mosback Greenhouse Co., Ourga, Ill.

Kenilworth strain of Giant Pansies, 50c per 100; \$3 per 1,000. Chas. Frost, Kenilworth, N. J.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel, 18 to 20 inch, heavy \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebeleni, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Phoenix Roebeleni, for prices and sizes see advertisement on front cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Phoenix Roebeleni, 8-in. pots, \$30 per doz. 8-in. tubs, \$3.50 each. Robert Craig Co., 49th and Market Sts., Philadelphia.

Palms, Kentia Bel, 2½-in., \$8 per 100; 3-in., \$15; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANDANUS.

Pandanus Pacifica, 11-in. tuba, \$2.50, \$3.00, \$3.50 and \$4.00 each. Robert Craig Co., 49th and Market Sts., Philadelphia.

Pandanus Utilis, superb stock, 8-in. pots, \$18 and \$24 per doz. Robert Craig Co., 49th and Market Sts., Philadelphia.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, 1st prize white, \$15 per 100; pink, \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, McHutchison & Co., 17 Murray St., New York.

PEPPERS.

Celestial peppers, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2½-in., \$4 per 100. Harry Heint, W. Toledo, O.

PRIMULAS.

Primroses, Obconica giants, 3-in., \$4 per 100. Chinese, large flowering 3-in., \$4 per 100. Ke-wensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Rondsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsdorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and Obconica, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obconica, alba and rosea, \$1.50. Obconica gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula Sinensis Flm., 3-in., \$4 per 100; Obconica Grandi., 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinenis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese and Obconica, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

ROSES, cut flower varieties, 2½-in. pots; White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Nell, 3½-in. pots, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Velchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Roses on own roots, budded, bedding, H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmons, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties, Leedie Floral Co., Springfield, O.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Boy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Flske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford Conn.; East Jordan Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiano & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds, W. W. Johnson & Son, Ltd., Boston, England.

Seeds. Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Ronnert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SALVIAS.

Salvia. A. Ragnan, R. C., 50c per 100; 2½-in., \$1.00; 3½-in., \$1.50; 4-in., \$3.00. Albert Troth, Cantril, Iowa.

SMILAX.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Smilax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VINCAS.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Vinca major, strong field-grown, \$3.50 per 100. T. J. Feiters, Harbor Springs, Mich.

Vinca variegata, field-grown, \$4 per 100. Storrs & Harrison Co., Painesville, O.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell, \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, Gov. Herrick, splendid field grown clumps, \$5.00 per 100; \$40.00 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, field-grown, \$8 per 100. Dingee & Conard Co., West Grove, Pa.

STOCK WANTED.

Wanted—3,000 American elm trees, 2-2½ inches diameter. Address Key 231, American Florist Co., Chicago.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling Co., E. C., 32-36 Randolph St., Chicago.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Kasting Co., W. F. Buffalo, N. Y.
 Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.
 Kennelcoff Bros. Co., 48-50 Wabash Ave., Chicago.
 Kessler Bros., 136 W. 28th St., New York.
 Kueba, C. A., 1122 Pine St., St. Louis.
 Kyle & Foerster, 51 Wabash Ave., Chicago.
 Langjahr, A. H., 55 W. 28th St., New York.
 Lilley, Samuel F., 5 S. Mole St., Philadelphia.
 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 28th St., New York.
 Millang, Chas., 55 W. 28th St., New York.
 Moore, Hentz & Nash, 55 W. 26th St., New York.
 Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pennock-Meehan Co., S. S., 109 W. 28th St., New York.
 Pittsburg Cut Flower Co., 121 7th St., Pittsburg.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L. Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Weiland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 226 Devonshire St., Boston.
 Weiss & Sons, Charles, 128 W. 28th St., New York.
 Young & Co., A. L., 64 W. 28th St., New York.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Rudlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G. Co., Richmond, Ind.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.
 Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn. the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittboldt Co., 737 Buckingham Pl.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dallas, Tex.—Texas Seed and Floral Co.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids—Grand Rapids Floral Co.
 Grand Rapids, Mich.—Henry Smith.
 Grand Rapids, Mich.—Eli Cross, 25 Monroe.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif., Wolfskill Bros., 216 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky.—F. Walker & Co., 634 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—International Floral Assn.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 New York and Washington—J. H. Small & Sons.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Philadelphia.—J. J. Habermehl's Sons.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 Rockford, Ill.—H. W. Buckbee.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.
 Terre Haute, Ind.—John G. Heinel & Son, 128 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shafer, 14th and I Sts., N. W.

BOILERS.

Boilers, The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.
 Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes, Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblin & Co., Utica, N. Y.
 Boilers. Lord & Burnham Co., Irvington, N. Y.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
 Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.
 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.
 Building material, cold frames, hotbed sash. Hitchens & Co., 1170 Broadway, N. Y.
 Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
 AURURDALE GOLDFISH CO.,
 920 Randolph St., Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$ inch, 40c per lb.; 10c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchens & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharf Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

Partridge berry bowls, fish globes, hyacinth glasses, etc. Nicholas Wapler, 28 Warren St., New York.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igloe Bros., 266 N. 9th St., Brooklyn, N. Y.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. L. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Pacific Coast Plant Tubs. Write for prices. Patton Woodenware Co., Seattle, Wash.

Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.

Cut flower and design boxes, all sizes. C. O. Pollworth Co., Milwaukee, Wis.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

Dennison tags. Dennison Mfg. Co., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Indianapolis.

Fred H. Lemon of Richmond, Richard Witterstatter of Cincinnati and Carl Sonnenschmidt of Cumberland will act as the three judges at the coming chrysanthemum show to be held in Tomlinson Hall next week. At the flower shows of other years it has been customary for judges to be appointed to pass on the blooms in each division, working independently of each other, but it is the intention to have the three judges work jointly in coming to all of their decisions this year. The judges named make a happy selection, are well qualified, being men of experience in the growing end of the business. F. H. Lemon began in early boyhood to learn the business under E. G. Hill of Richmond, and is today a large grower with about one hundred thousand square feet of glass. R. Witterstatter is known all over the country as the originator of Afterglow and Adonis carnations, which won several gold medals and blue ribbons. C. Sonnenschmidt is an imported florist. He was a thorough florist when he came to this country from Germany, having served his apprenticeship there under one of the most noted florists that ever drank that good old German beer. Today Sonnenschmidt is turning out perfect roses in the large plant of "Sonnenschmidt & Junge," better known as simply "Smith-Young Co." In making the awards at the coming show, the judges will follow the official scales of the different national associations of growers. A blue ribbon will indicate first prize, red the second and white the third.

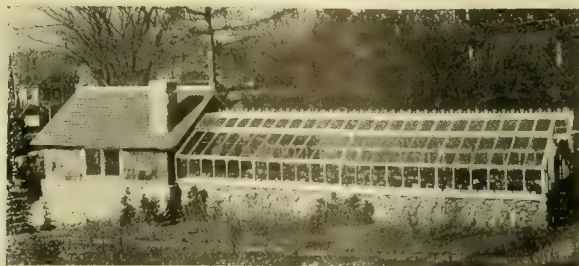
NOTES.

Geo. Swain, a seedsman, has sold out his business to a Mr. Warren, who intends to take charge of same about November 1. The firm will be styled the "Warren Seed Co." The business will run along the same old channels, the only difference being that Warren will replace Swain. Before Swain went into the seed business he was a linotype and acted as foreman for the Indianapolis News. He is now going West, but instead of investing his money in land, expects to reap more coin by taking up his old trade and pounding out copy for some newspaper.

In addition to there being a chrysanthemum show at Tomlinson Hall next week there will be extra large and special displays at a number of the downtown retail stores, including Wiegand's on Sixteenth and Illinois. This has been decided on as a side show for the big exhibit. It is expected that trade will be good during the show week. A. W. B.

Providence.

Seasonable weather is here, the trade has taken on a different aspect and business is about normal. Dahlias are a thing of the past but cosmos of good quality continues plentiful. The Queen of the Autumn is here in all her glory and all the stores are making grand window displays of chrysanthemums, the varieties on the market being Robert Halliday, Miss Virginia Poehlmann, Polly Rose, G. S. Kalb, Ivory, Rosiere, Glory of the Pacific, Pacific Supreme, Golden Glow and Monrovia. Carnations of good quality are abundant and roses continue plentiful. Pink and White Killarney, Richmonds and American Beauties are good quality. Orchids, lily of the valley, lilies, and gardenias of good quality are being received and violets are over-plentiful. The demand for asparagus and other greens is light. The October business was below the standard of former years, but the nurseries and seedsmen all report a busy season. G. A. J.



Plan 61

On page 16 of the Advance Pages to our New Catalog this subject is thoroughly described. On the opposite page are interior views of this house and two other eleven "footers." For a general utility house the eleven "footer" is a mighty good one.

The one shown belongs to Mr. A. E. Hammar, Branford, Conn. Send for the Advance Pages and know all about it.

Lord & Burnham Co.,
IRVINGTON, N. Y.

New York
St. James Building.
Philadelphia
Heed Building.

Boston
Tremont Building.
Chicago.
The Rookery

GREENHOUSE CONSTRUCTION

Wind storms and snow have no terrors when you have greenhouses of the King type. We have all kinds—Semi-Iron, Iron Frame and Channel Bar Construction for private work.

Send for bulletins.

King Construction Co.,
NORTH TONAWANDA, N. Y.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

**Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.**

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
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Telephones: Lincoln 410 and 411

You get the best, at a reasonable price, when
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Louisiana Red Cypress

— PLANS AND ESTIMATES FREE. —

Galvanized Steel Gutters, Trusses, Purlins, Pipe, Fittings, Glass,
Ventilating Machinery, Hotbed Sash, Pecky Cypress.

The Foley Manufacturing Co., Western Ave. and 26th St.,
CHICAGO.

HEATING PLANTS

Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now.

Send for our Special Heating Catalog, filled with valuable information: tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. 300,000 feet of Standard Pipe, all sizes; will be cut to any length.

Engines, Boilers, Valves and Fittings.

Building Materials and Supplies.

Send for our new 1000-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO.

Mention the American Florist when writing

THE STANDARD

VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Mention the American Florist when writing

Salt Lake City.

A great improvement is noticed in the floral business the last week, there having been several heavy frosts that have put an end to the outside stock, so good flowers are scarce. Utah chrysanthemums are coming in and also some carnations, but not enough to supply the demand, and there are some good California violets being received. The use of basements and the rear end of drug stores for florists has about had its day in this city.

NOTES.

Thos. Hobday has opened a swell store on State street. Mr. Hobday has spent most of his life in the florist's business and with experience and popularity in this city there is no doubt of his success.

The Huddart Floral Co. report a good business, especially in California chrysanthemums, of which they handle large quantities.

Walter W. King has moved into his new store. He has the most attractive and up-to-date store in the city.

Some extra good roses are shipped here from Council Bluffs, Ia., by J. F. Wilcox.

The Pike's Peak Floral Co. are sending in some good roses and carnations.

E. A. Lambourne is having a show window fixed up to display his goods.

The Sugar House Floral Co. are cutting some very good carnations.

The Ogden Floral Co. have the best carnations in the state.

The Miller Floral Co. is sending in some good roses.

UINTA.

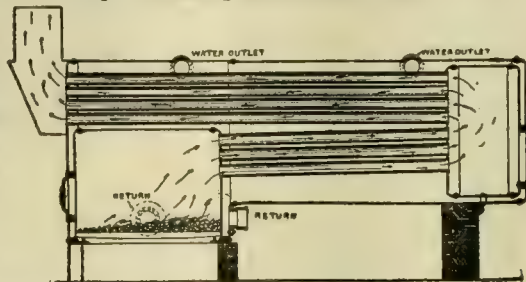
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

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ERECTED AT DULUTH, MINNESOTA

Want particulars? Write to
HITCHINGS AND CO., 1170 Broadway, N. Y.



WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

Now Ready—New 1910 Edition

THE TRADE DIRECTORY

Florists, Seedsmen and Nurserymen

of the United States and Canada.

PRICE: \$3.00, postpaid.

AMERICAN FLORIST CO.

324 Dearborn St.,

CHICAGO

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
269 Lake Street, KENDALLVILLE, IND.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
6600 E. 12TH ST., PHILADELPHIA, PA.

BUCHBINDER BROS.,

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Florists' Ice Boxes.

Manufacturers and Dealers in

STORE AND OFFICE FIXTURES.

Tel. Monroe 5616.

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS,

Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N.Y.



ADVANCE MACHINES

combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.


THE ADVANCE CO.,
RICHMOND, IND.

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE J. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.



SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes 3/4 and 7/8. 40c per lb., by mail 16c extra: 7 lbs. for \$2.50 15 lbs. for \$5.00. by express. For sale by the trade.

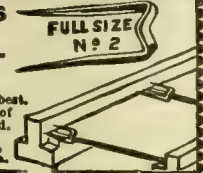
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

Holds Glass Firmly

See the Point **PEERLESS**

Glazing Points are the best. No rigging or lefts. Box of 1,000 points 75 cts., postpaid.

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Boilers OF HIGH GRADE...

For GREENHOUSES

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Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

BURNED CLAY

Tile Benches and Tile Bottoms

Gives results. Three styles of benches including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

HARTFORD, CONN.—The greenhouses at Elizabeth Park will be open and lighted until 10 o'clock in the evening during the exhibition of the chrysanthemums, which begins October 24. There are 290 varieties of large flowering and 380 of pompon and anemone varieties in the 2,000 plants on show.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,
Long Distance Phone 651-659 Washington Boulevard, CHICAGO.
Monroe 4994.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in
Greenhouse Construction, Benches, Frames, Interior or Exterior Use.
Inquire of your local dealer, or write us.


BAKER-WAKEFIELD CYPRESS CO., Ltd.

Manufacturers, PLATTENVILLE, LOUISIANA

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS

MASTICA

FOR Greenhouse Glazing

USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

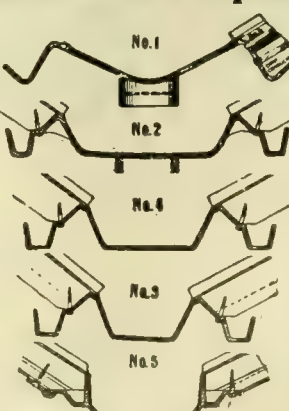
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Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,

DES PLAINES, ILL.

NOW READY

—The American Florist Company's—
Trade Directory
—For 1910—

Contains 570 Pages.

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THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.
324 Dearborn St., Chicago.

For Photographs of Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator
413-414 Bayward Bldg., Rochester, N. Y.

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We Issue to Members a

CREDIT LIST

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

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Plant Bed Cloth

For Florists Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

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LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.

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Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



KRICK'S Florist Novelties

Manufacturer and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.

CHAS. AUG. KRICK,
1164-66 Greene Ave.,
BROOKLYN, N. Y.

Every letter marked.

Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR)

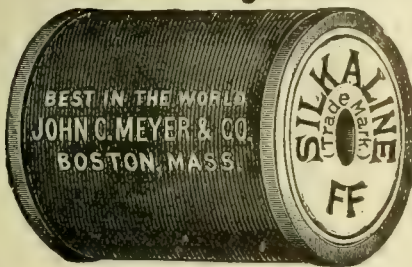
For repairing split carnations. 1000 for 50 cents Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

GORHAM, ME.—A new heating apparatus has been installed in Ronald Barrow's greenhouses on Main street.

BALTIMORE, MD.—The prizes in the Home Garden contest have been awarded by the committee and consisted of a first prize of \$20, and the second, third, fourth and fifth prizes were orders upon florists and seedsmen for plants, bulbs and garden implements contributed for this purpose by the following: Andrew Anderson, F. C. Bauer, G. A. Black & Bro., Z. D. Blackiston, J. Bolgiano & Son, F. G. Burger, John Cook, Samuel Feast & Son, Franklin Davis Nursery Co., Chas. A. Fox, Mrs. Clara E. Gosnell, Robert L. Graham, Griffith & Turner Co., Halliday Bros., Mrs. Mary Johnstone, Isaac H. Moss, Edwin A. Seidewitz and W. L. Summers.

The "Meyer Green Silkline"

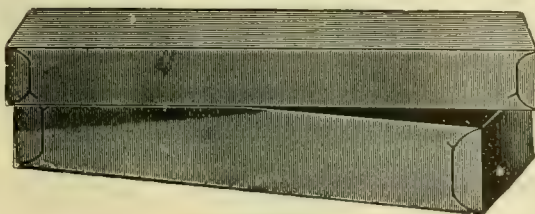


is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write,

C. C. Pollworth Co.,
MILWAUKEE.

Mention the American Florist when writing

WIRE

cut in any length
Silver, Green
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UTICA, N. Y.—J. C. Spencer, formerly with Spencer & Martin, has accepted the position of grower at W. A. Rowlands' greenhouses at Whitesboro.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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CALVANIZED WIRE ROSE STAKES.

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Prompt shipment guaranteed

IGOE BROS.,

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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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IS THE
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288 sheets.....	6.50
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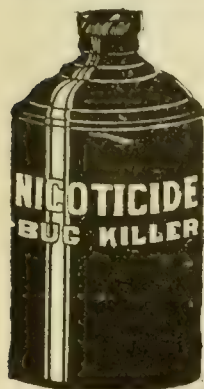
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For PROOF
Write to

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COMPANY,
Owensboro, Ky.

Mention the American Florist when writing

Urbana-Champaign, Ill.

Although the weather has been extremely warm, during the past two weeks, business here has been excellent. Cutflower sales, especially, have increased since the opening of the university. The numerous social events have given much work in the way of decorations. Large sales were reported on October 15, the day of the Chicago-Illinois football game.

NOTES.

Gus. Johnson has been cutting a fine lot of chrysanthemums and roses. Not many carnations have been cut as yet, but a plentiful supply is expected from his West End houses in a week or ten days. Mr. Johnson has engaged a grower from Omaha, Neb., who will assist him during the winter months.

Thos. Franks & Sons are cutting chrysanthemums of excellent quality. George Franks reports that carnations are just beginning to bloom freely. Their grower at the down-town greenhouse resigned his position and George is now looking after all this work.

A. H. N.

OLEAN, N. Y.—Llewellyn is making a display of chrysanthemums at his greenhouses, corner of Washington street and Winters avenue. He has an unusually large number of large blossoms and some remarkably fine individual specimens.

NEW ORLEANS, LA.—J. C. Quinette, for 25 years one of the leading horticulturists of this city, announces that he will open a complete floral business in connection with his tree and plant store at 727 Common St., as an addition to his large nurseries and greenhouses.

HELENA, MONT.—The Florists' and Nurserymen's Association of Montana continues to make steady progress and the latest additions to its membership are Jares King, Butte Floral Co.; Victor Larson, State Nursery Co.; and M. L. Tippin and E. W. Horton, Montana Nursery Co.

PERFECT PLANT FOODS.

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Unrivalled for vines tomatoes cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

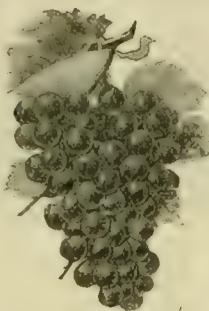
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Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets etc. to sole makers.

Also Exporters of Pure Scotch Soot Write for prices, etc.

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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
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Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Sugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

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Best plant food and most readily available.
12-lb. cans \$2.00 each.

Other sizes pro rata.
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THE FLORIST

SAY SO IN YOUR NEXT ORDER.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards, Chicago
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green Flies and
Black ones too

are easy to kill with

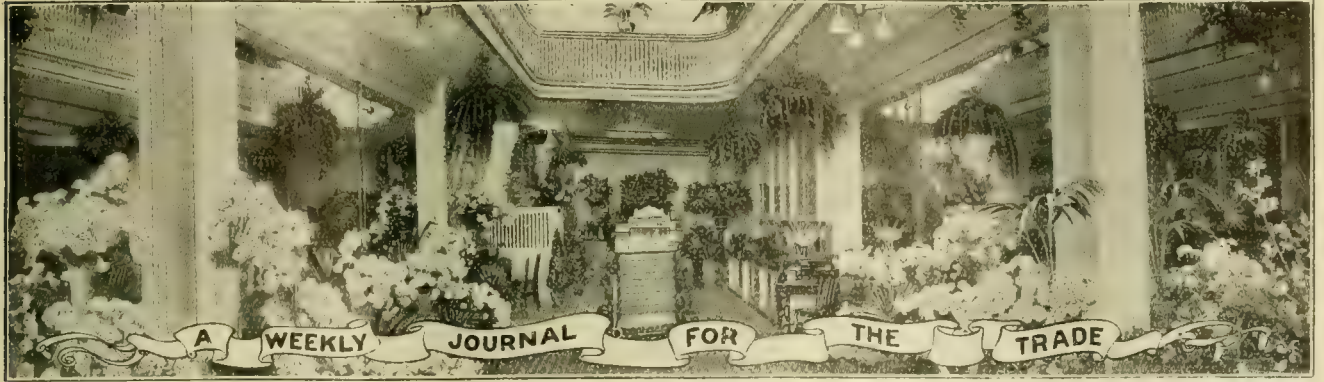
The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
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not dare to guarantee?

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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, NOVEMBER 12, 1910.

No. 1171

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
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WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.;
RICHARD VINCENT, JR., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.

Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKI,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roanoke, Pa.,
Vice-President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

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Department.**

SUGGESTIONS FOR PLANT GROWERS.

Fuchsias.

It is time now to start the old stock plants of fuchsias if nice large plants are wanted for the vases and boxes next spring. The fuchsia is a plant that likes plenty of heat and one to which mealy bug is very partial. When the old plants are cut back and potted go over them very carefully and remove any of these insects that have obtained a foothold, and after being placed in the houses syringe them often, never allowing this dirty little pest to obtain a foothold. An old gardener of national reputation once told us that there was no excuse for a grower having mealy bug in his houses if he had a good force of water behind his hose. Shake the old soil all off the roots and pot them in good compost and when the shoots get long enough to make into cuttings place in the propagating bed. It is these early struck cuttings that make the handsome plants, making nice growths that can be nipped back to make fine stocky plants. If this is postponed until later the little shoots will set their buds before being long enough to make into cuttings and a dwarf stunted plant is too often the result.

Spirea Japonica.

When the roots of Spirea Japonica arrive lose no time in getting them into their pots, for they are of a moisture-loving nature and should not be left to dry up in the packing cases. Before potting place the clumps in a tub of water and allow them to get well soaked through. A great many failures in growing this cheap, though useful plant, are attributable to the potting of the dry clumps that never get thoroughly wet. They should be planted in pots just large enough to hold them and any very small roots can be doubled up—two or three in a pot. After potting, water thoroughly, and they should then be placed outside where they can be subjected to a little freezing weather. If they are to remain in these quarters until after the first of the year, at which time

they should be started for Easter blooming, they should be well protected from freezing severe enough to break the pots. It may be desired to save some roots for Decoration Day blooming. Instead of potting, these may remain in the case, being sure to thoroughly wet them, and allowing them to freeze and then place them in a cold cellar or other dark quarters where they will remain frozen until wanted about the middle of March.

Bedding Stock.

After the chrysanthemums have been cut there will be room to handle the bedding stock. Take the soil out of the benches and pile it up where it can get well frozen, and it can be used in the spring for potting up the vast amount of small plants grown at that season. Spread some sifted ashes on the benches about an inch thick and pot in 2½-inch pots the geraniums and other stock that was placed in the propagating bench during the fall, and get it started. If there has been propagated all the stock of geraniums that can be properly handled they can be grown very cold and rather dry, and will make much more stockier plants than if grown warm. But if more stock is wanted, they should be grown in a temperature of 50° at night at least, and if kept moving right along a good top cutting can be obtained early in the year that will make a fine salable plant for spring. The plants that are grown cool will not need to be shifted to larger pots until the first of March, but the warmer grown plants will need a shift in 3-inch pots early in the year. The other bedding stock that was propagated in the fall should be potted as soon as possible if it is still in the propagating bed. The coleus will need a warm location so that more cuttings can be obtained and this plant will not stand any cool temperature at all. Verbenas, petunias, lobelias, salvias and all such stock should be kept moving as rapidly as possible so that the stock may be multiplied later on.

It is not too late to propagate the tender growths of vinca and if rooted now and pinched back so that the lower eyes break into running shoots, some very nice small plants can be produced for the spring sales and those that are too small for use can be planted out in the ground in the spring and grown on for the large plants for the next year. If there is any call for *Centaurea candidissima* (the true dusty miller) the seed should be sown at once. Many people prefer this to *Centaurea Gymnocarpa*, but it takes much longer to produce good plants of the former than of the latter.

Bulbs for Outdoors.

The exceedingly warm fall has delayed the planting of spring bulbs and they should now be set out as quickly as possible. Many a customer would buy and plant beds of tulips and narcissi if he was informed that now was the proper time. How often have we heard ladies remark in the spring, when the bulb beds were in their glory, that they had intended to have a tulip bed planted but it had been forgotten. The hustling florist remembers these customers and when his bulbs arrive, notifies his trade in some attractive manner that the bulb season is on. In selecting the varieties the customer's individual fancy must be followed; some like many varieties mixed in one bed, others beds of solid color, and some with a large bed divided into sections of different colors, but if the first or last are to be planted, care should be exercised in selecting varieties that bloom at the same time. After the bulbs have been planted it is well to allow the ground to freeze hard enough to make a crust before they are covered, for if they are covered immediately after they are set out the frost is very slow getting through the covering and the bulbs may make quite a growth in the fall and then when the spring comes the shoots are all up in the leaves or litter and the stems all crooked.

Acalyphas.

To the florist who has many vases or window boxes to fill, nothing is more satisfactory or showy than the acalypha and it is time now to get the stock propagated, for they root more easily at this season of the year and, being slow growers, require plenty of time to get them into the best condition. The half-ripened wood is by far the easiest to propagate and makes the best plant. The hard wood roots much more slowly and does not start as easily. Cuttings taken with a heel are the best and root very readily. After the cuttings are rooted they should be potted in 2½-inch pots and for the first week or ten days kept a little warm and close so that the roots may get a firm hold on the new soil and to prevent the top from wilting, which it sometimes has a tendency to do, especially if subjected to too cool a temperature, or cool draughts. They should be grown in a moderately warm house and to obtain good colored foliage should have a bright, sunny location.

ALLIANCE, O.—O. A. Reisch held an opening to the people of this city October 29. He has established an up-town store on Arch avenue near Main street, of which Miss Helen Tullis will have charge.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Autumn Queen.

Let us consider the "Queen of Autumn," the chrysanthemum—the only hardy flower which can brave the November cold. No other late autumnal flowering plant is so popular and justly so, because of its beauty and its effectiveness. So strikingly effective are the blooms that they are equally well suited for exhibition purposes, or as cut flowers for the drawing room. Whether a florist or an exhibition grower, each must have his Japanese and pompon varieties. The raising of seedlings is said to be "the poetry of gardening"—and if this be so, then it was never more true than



A Standing Wreath.

in the case of the ever popular chrysanthemum. It certainly takes first rank as a winter exhibition plant. It may not be amiss to state that the Siamese have adopted the chrysanthemum as their national emblem.

The ribbon, twisted and thread varieties seem to take a better hold than the others for decorative purposes. The long ragged tassel-like flowers in the form of a loose mop is excellent for effective decorations—and the feathery kind are most stunning. For conservatory decorations where the object is to get a brilliant mass of color irrespective of shape—nothing lends so beautifully as the chrysanthemum. The single variety of chrysanthemum finds many admirers. It must be remembered that formality is not beauty in the eyes of the artistic, or even tasteful people and all that dressing can do to the flower is to give it more regularity and this is too stiff and should not be indulged in. The chrysanthemum was never more popular than it is today and as a decorative plant is more and more extensively cultivated every year. Each year brings out its new members and it is certain that this year's Flower

Show has not lacked in its new varieties and beautiful specimens.

A word about packing this flower may be of assistance to some who are not as familiar through experience as the old veterans of the trade. A little moist cotton wadding should be placed around the severed stems at the base, this being surrounded by a small piece of sheet of India rubber or oil silk paper to prevent the wadding from drying too quickly. The flowers and stems so treated should be packed in tissue paper in a tin box. The cover or lid may be hermetically sealed by a film of sheet rubber. In this way they will stand the longest journey.

To the growers we would say, give us still larger varieties; elegance of form and perfume (if you can); in a word, let all tastes be consulted—let all wants be satisfied. There is a wide and open field for improvement and progress. A. E. K.

A Wichita Hallowe'en Window.

A Hallowe'en window in the store of W. H. Culp & Co., Wichita, Kan., attracted much attention and received newspaper mention this week, and Ralph Culp is accordingly gratified although the initial idea was suggested by Mrs. Culp, his mother.

The decorative scheme was a combination. The open roomy space next to the front was covered with sheet moss and then a background of trees under which witches were gathered round the kettle, under which a very realistic fire was glowing. The inevitable black cat was there also, and a skeleton bringing wood for the fire and, to the left, almost overgrown, was the deserted cottage with ghosts peering from broken windows and behind broken down doors. The attention to detail and fidelity to nature in making the wood scene was the strong point in the picture. Not a pot was in evidence. The moss in coming to the irregular background of trees was carried up over the pots and gave just the unevenness to the ground that was needed. There was plenty of open space and the harmony of proportion between trees, figures and house was carefully observed.

This fidelity to detail held the spectators and kept them pointing out the new items as they would discover them and many, after spending several minutes at the window, would step back and cast their glance about to see at whose store they were looking. W. I. CHITA.

Church Decorations.

The accompanying illustration of a summer church decoration at Swampcott, Mass., was arranged by Wax Bros., the well known Boston florists. The church was banked with palms and laurel and 300 Easter lilies were used, large bunches of the latter tied with chiffon producing a very pleasing effect. The firm was highly complimented for their arrangement.

YOUNGSTOWN, O.—John Walker, the Phelps street florist, has purchased a tract of land west of Boardman Centre upon which he will erect a range of six greenhouses next spring. The houses are to be two hundred feet in length.



CHURCH WEDDING DECORATION BY WAX BROS., BOSTON, MASS.

WITH THE GROWERS

Bassett & Washburn, Hinsdale, Ill.

In a recent visit to the greenhouses of Bassett & Washburn at Hinsdale, Ill., we were much impressed with the degree of perfection to which all the stock is grown. Their American Beauty plants are in a range consisting of eight houses, six hundred feet long and from 28 to 32 feet wide. These houses are all filled with the cleanest lot of American Beauty plants we have seen in many years, one-half of which were carried over from last year, while the other half consist of young plants, the difference being that the older plants are now producing mostly all long stem flowers. The stems on these plants are now from five to seven feet long, as may be seen in the illustration of the house of American Beauty roses which we publish, and the plants are all in a most healthy condition with elegant, large, strong foliage without a blemish. The younger plants are giving some medium length stems, but no short stem stock is being cut at all. The color of their beauties is particularly fine, and in a cut running from 1,500 to 2,000 per day they do not get over one dozen crippled flowers in the whole lot. Their American Beauties are in such heavy demand that the firm is behind in their orders most of the time. In the miscellaneous roses they have some twenty-five or thirty houses, ranging in length from 300 to 600 feet. These are planted with Pink and White Killarney, My Maryland, Rhea Reid, Richmond, a few Bridesmaid and Bride, Kaiserin Augusta Victoria and Perle de Jardin. These are all grown on grafted roots, as the firm has found that while the grafted plants cost more they produce a better average grade of stock than do the rooted plants.

The carnation range is next to this one. Here we found 90,000 plants of carnations in only four varieties—Pink and White Enchantress, O. P. Bassett and Winsor. In addition to this they have about 5,000 plants on trial of Dorothy Gordon, Niagara, also a dark pink seedling and 500 of J. Whitcomb Riley, which is the yellow carnation originated by Bertermann Bros. These carnations, one-half of which were planted in the houses in the spring and carried right straight through, are in the very finest possible condition. We

saw O. P. Bassett's there with stems 24 inches long—a magnificent flower of a most brilliant shade of red. Their White Enchantress had stems 18 inches long, the flowers $3\frac{1}{2}$ inches in diameter. Pink Enchantress was in similar condition. This firm grows quite a quantity of Winsor, as they find this variety does exceptionally well on their soil.

The next range was the chrysanthemum houses, where we saw the finest lot of commercial varieties in the vicinity of Chicago. They do not grow any variety of chrysanthemums that will not ship and carry well when packed in the box. Every chrysanthemum must be a good commercial shipper or that



C. L. Hutchison.

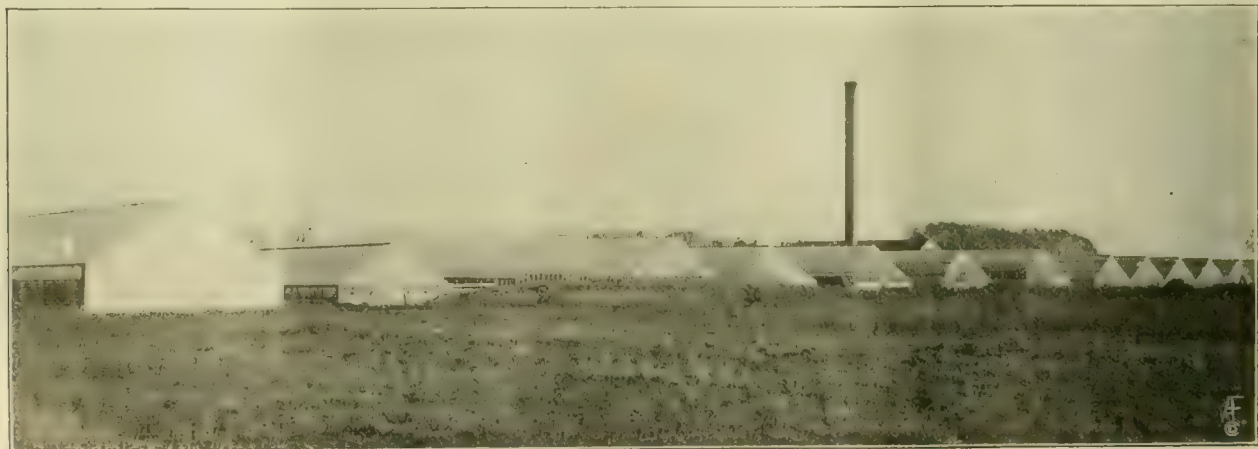
President Horticultural Society of Chicago.

variety is promptly discarded. The result of this process is that they have built up a reputation for having the best shipping chrysanthemums in the Chicago market, the majority of their cut of flowers being distributed to points outside of the city. After leaving the chrysanthemum range we came to the lily houses. Here are planted 40,000 *Lilium Formosum* bulbs. The

earliest planted bulbs are just now commencing to give flowers. This new variety comes practically all healthy, as Messrs. Bassett and Washburn report only 2 per cent of diseased bulbs are found. These bulbs are planted as soon as received in 5 and 6 inch pots, placed out doors and covered with a heavy mulch of straw. As soon as the roots begin to fill the pots they are brought into the greenhouses, and those wanted for very early flowering are forced at a little higher temperature than the others. They have lilies in flower all the year around, but aim to bring in a majority of the flowers between Thanksgiving and Easter.

For summer and early fall, they force the cold storage *Lilium Giganteum*, bringing these out from the cold storage warehouse as fast as they are wanted. Mr. Bassett used to grow the *Lilium Harrisii*, but this was some twenty years ago, and at that time he paid \$150 per thousand; but the old time *Lilium Harrisii* are past, so that the firm the last two years have not grown a single Bermuda lily bulb. Before completing our visit to this interesting establishment we saw the houses of asparagus and smilax. They grow two houses exclusively for asparagus sprays, not allowing the plant to run up into strings. They have one more house which is grown to strings of asparagus plumosus, also a house containing 12,000 plants of smilax.

While this completes the growing end of the line, the visit to the boiler houses, where the heating and pumping is located, is fully as interesting as any part of their large range. Their heating plant was designed by the Kroeschell Bros., and has been visited by heating engineers from all over the country, who consider it one of the model plants of the time. Their icehouses are filled each year with 500 tons of ice, which they cut from an artificial pond located directly opposite the icehouses. This firm takes great pride in the even run of their flowers. They send their cuts into their city store two and three times a day, and make a specialty of cutting the flowers for shipment to long distances, assuring their customer of the arrival of the stock in good condition even when as long as sixty hours on the road. About 90 per cent of their flowers are shipped out of the city, the balance sold to Chicago retail stores. This is a great show of the success which they have



PARTIAL VIEW OF BASSETT & WASHBURN'S GREENHOUSES AT HINSDALE, ILL.

made in growing flowers for the shipping trade.

This is one of the most important ranges of glass in the vicinity of Chicago, and it well worth a visit from any grower to inspect the fine stock which may always be seen. It was our pleasure to meet the junior member of the firm, and to be escorted through

the winners of many prizes and their stock brings the best prices in the best markets of the country. The products of these two ranges are sold in New York, Mr. Farenwald's by the New York Cut Flower Co., and Mr. Towill by Moore, Hentz & Nash.

The Farenwald range is noted for its fine Richmond and Killarney roses.

American Beauties, and the stock is in splendid condition. He also grows Richmond, the Killarneys and My Maryland. This new house brings his glass area up to over 60,000 square feet. His stock is handled by the Leo. Niessen Co. In all these ranges the stock is grown on beds.

The Joy Floral Co., Nashville, Tenn.

The extensive greenhouses of the Joy Floral Company never were in better shape or growing better flowers. Everywhere is the evidence of thrift and hard work. Four acres are covered with greenhouses; house after house filled with rose plants promise an abundant supply of the best flowers. Trade is not at its flood tide as yet and some of the rose houses are being held back to come on in greater perfection later. The chrysanthemums are superb and in quantities, there being five large houses of them, all the best varieties, early and late. There is also plenty of both *Harrissii* lilies and *speciosum*. The carnations, like the roses, are a wonderful array of plants and when the weather gets colder will bloom in great perfection. The green-eries are an exhibit all to themselves. Mr. Joy has one large bed of asparagus that is twelve years old. It gives fine, strong, vigorous strings, fine for anything; the maiden-hair ferns are apparently inexhaustible. He also grows some *Swansonia*, Snap-Dragons, *Alysum* and Sweet Pea. Violets are not so abundant. Mr. Joy is trying them in the greenhouse, heretofore having bloomed them in cold frames. He says the long warm dry spell of this season has prevented their blooming in the frames which accounts for their not being plentiful. Mr. Joy is his own foreman and while he superintends the plant, his young son, Thomas H. Joy, has charge of the store and has developed a wonderful talent not only as a salesman but as an artistic worker in flowers, and has put up some of the most pleasing of the season's bridal bouquets. One of these was a wreath to be carried on the arm, one-half was of bride roses and the other half of valleys with the chattelaine.

M. C. D.



CHRYSANTHEMUM TIMOTHY EATON AT BASSETT & WASHEURN'S, H. NSDALE, ILL.

the houses by him and the genial foreman, Andrew Benson, who has been with this concern and superintended the greenhouses ever since they started to grow flowers, some thirty years ago.

Rose Growers of Hillside, Roslyn, Pa.

The man who invented the name "Hillside" had probably climbed the hill from the Reading railway station. Mayhap he took the wrong road, as we did on our first visit, and when he reached the summit was perspiring and uncomfortable with a wilted collar. Therefore, we forgive him. It has frequently been written that "a rose smells as sweet by any other name," and a progressive colony of rose growers can carry on their business as successfully at Hillside as they could if it was called Roseville or Roseland.

But we were writing about the hill. After the hill is climbed, all is smooth sailing. There we find a veritable peaceful valley, with a wooded ridge that protects it from the fierce blasts of winter. Here, within a few hundred yards of each other, are located three great rose ranges with a remarkable man directing each. When we write "great," we do not mean that they are the greatest in the country. The men who own them would be the last to make that claim. But, considering that all these men are yet young and that they have all come up from the ranks, their successful work, in my estimation, deserves more than passing notice.

This noted trio is Adolph Farenwald, Edward Towill and Victor Groshens. We believe that Mr. Towill was the first to locate, Mr. Farenwald arriving soon after, with Mr. Groshens a good third. To all who have attended the exhibitions of the American Rose Society, both Mr. Towill and Mr. Farenwald are well known. They have been

and the prospects for great crops are now flattering, the beds that were first started being now remarkably prolific of buds. One house, 50x300 feet, is planted exclusively in Killarney and there are others. About 20,000 square feet are in Richmond. Mr. Farenwald carries over much of his Killarney stock with great success, some of it being three and four years old and grown on beds. Mr. Towill is growing fine stock of American Beauty, My Maryland, Richmond and the Killarneys. We have never seen anything finer than his large house of American Beauties. Mr. Groshens, though the latest to locate at Hillside has been very energetic and progressive. He this year erected a new house, 42x500 feet, which is altogether planted in



AMERICAN BEAUTY ROSES AT BASSETT & WASHBURN'S HINSDALE, ILL.

C. L. Washburn in the Aisle.

Florists' Telegraph Delivery.

This is an auxiliary of the Society of American Florists and membership is open to all members of the parent society who are doing a retail business.

It is our aim to have at least one member in each city and town, though membership may include as many as desire to join from any one city. It is not the intention to create a monopoly but merely to provide a complete list of reliable florists throughout the country for the interchange of business. The organization can not directly make a profit but is established for the convenience of its members and the expenses are to be met by annual dues of the members.

The Association guarantees prompt payment of bills due from one member to another member. This is made possible by requiring that each member shall deposit a certain amount in a trustee fund and the interest on this fund, together with membership fees, constitutes a guarantee fund for the bills of all. Members who do not pay their bills promptly to be expelled and to lose their deposit.

The charges are based upon the assumption that the total of business going out from and coming into any given city will be in proportion to the population of that city and that the total business will not be much greater if there are several members in that city than if there were only one.

The census returns are not yet available for 1910 so the census of 1900 is at the present time taken as a basis. As an example of how this works out, let us take Indianapolis. The census of 1900 showed a population of 169,164. The payment to the trustee fund is at the rate of 20 cents for each thousand, eliminating fractional parts of \$5.00. This would fix the payment at \$30.00 for Indianapolis. If Bertermanns were the first to join, they would remit \$30.00 for the trustee fund and a membership fee of \$5.00 (which is the same for all members). The annual dues are fixed at 10% of the payment to the trustee fund, which in this case would be three dollars (dues in no case to be less than \$1.00). Now suppose that the Weigands also concluded to come in. The trustee deposit for the whole city having been made by the first member from that city, the secretary would advise the Weigands that their proportion was one-half of the \$30.00, which is \$15.00, and upon its receipt he would refund that amount

to the Bertermanns so that each should have the same amount invested and the deposit in the trustee fund from Indianapolis should always be the same.

For towns of less than 25,000 population, the deposit is fixed at \$5.00.

It should be borne in mind that the payment to the trustee fund and the \$5.00 membership fee are made only once, not every year. It should be further remembered that if you choose to withdraw at any time you are entitled to get back the money you have on deposit in that fund, less your percentage of any bad bills that have been paid out of that fund. In other



Chrysanthemum Plant Grown by C. W. Johnson.

Exhibited at the Chicago Flower Show.

words, this association is not for the profit of an individual but each member will simply pay his part of the cost of maintaining the organization.

Applications have already been received from such a large number of florists from all parts of the country and these represent such a substantial and prosperous class that the success of the enterprise is now a certainty

and it is up to you whether you will move with the procession or watch it go by.

We have met with some objections from a few florists who had already established connections with other florists and were afraid they might be compelled to change. I wish to make it clear that this organization does not try to tell its members where they must place their orders. We think that members will be apt to deal with their fellow members but they are not bound to do so.

It is our plan to carry a complete list of members as a standing advertisement, so that in this way, alone, each member will get back all that the membership will cost him.

It will save confusion and much extra labor for the secretary, if you will see your fellow retailers in your town and send the list of those who wish to join, to the secretary. He can then send you a statement of the amount due from each. The secretary of the Florists' Telegraph Delivery is the secretary of the Society of American Florists, viz: H. B. Dorner, Urbana, Illinois.

Other officers elected at the Rochester meeting in August were: W. J. Palmer, Buffalo, vice-president; W. L. Rock, Kansas City, treasurer; A. B. Cartledge, Philadelphia; W. F. Gude, Washington; Fred H. Meinhardt, St. Louis; Philip Breitmeyer, Detroit; Ernest Wienhoeber, Chicago; George Asmus, Chicago; W. L. Rock, Kansas City; John Bertermann, Indianapolis, and Irwin Bertermann, Indianapolis, directors.

Do not confuse this with any other organization of a similar nature. This is the only one organized under the auspices of the national society.

Hurry up and get into the band wagon.

J. A. VALENTINE, President.
Denver, Colo., Oct. 20th, 1910.

ALLIANCE, O.—J. R. & V. A. Cowgill have purchased the Lamborn floral store at Canton and will take possession November 1.

SAN DIEGO, CALIF.—Miss A. M. Ramford, who some time ago took over the retail store of Miss Sessions, finds business very brisk and has now a regular staff of four clerks. Miss Ramford will open the flower store in the Grant hotel at once. Orchids and choice table decorations are her specialties.
R.



SPECIMEN CHRYSANTHEMUM BLOOMS AT THE CHICAGO SHOW.



BASSETT & WASHBURN'S FIRST PRIZE VASE TIMOTHY EATON CHRYSANTHEMUMS AT THE CHICAGO SHOW.

THE ROSE.

Among the Roses in Early November.

The cool nights, while bracing and strengthening the rose plants, render care and watchfulness necessary on the part of the grower. A capable night-man, who is interested in his work, and will take the trouble to watch his temperatures carefully, is invaluable at this time. In colder localities quite considerable fire heat is necessary to maintain a correct temperature and buoyant atmosphere while, even in the south, where the nights are cool, even though the temperature may not fall to the danger point, yet the atmosphere has to be kept moving and a little steam has to be turned on to accomplish this; sufficient air should be left on the houses to prevent the temperature rising unduly. A man who is constantly running to his thermometer and who thinks more of a degree or two, one way or another, than of a correct atmosphere in which air, heat and moisture are nicely balanced has yet much to learn in rose culture. At the same time we are thoroughly in accord with keeping the temperature as even as possible under all circumstances.

Inexperienced growers are often at a loss to account for the pale tint found in the foliage of cut-back plants of *Bride* and *Bridesmaid* which is often found on the first growths. On some soils and in some localities it appears to be impossible to prevent it, but as

the season advances the plants soon attain to better color if correctly treated. We are not speaking now of the pale yellow tint that is caused by over-watering or bad drainage. This is a totally different matter, not so easily cured, though it may be prevented by judicious treatment. It is often found in beds of young plants where the whole of the soil has been moistened instead of watering a small space around the plants individually. Where it occurs great care is necessary in spraying, not to moisten the top soil more than can possibly be avoided and in severe cases it may be necessary to go to the extreme of hilling up the soil between the rows and drying it out artificially. This, too, usually disappears as the plants get a grip of the soil, but is troublesome and worrying to the grower in the meantime, especially as this foliage is abnormally tender and easily burnt by bright bursts of sunshine following rain or a dull period.

Cut back *Killarney* and *White Killarney* if neglected at this point soon grow into a thick mass of shoots, this being encouraged by the habit some growers have of snipping out the buds when only half formed, and taking no growth with them. We have found it far better to allow the buds to develop almost to the point where they show color and are producing one or two good leaves. Then when pinched a much stronger growth starts, while the development of the leaves at the base of the shoots is much better and is conducive to a freer root action.

Where long stems are required on plants beginning to flower the first bud will in most cases have to be pinched out and a strong growth taken up from this. *White Killarney* this season is producing finer growths and better stems than the type. *Mme. Chatenay*, as usual, has suffered some from burning and has had to be lightly shaded. But this will no longer be necessary, excepting in extreme southern points.

There may still be vacancies in late planted beds or benches to be filled with plants reserved for the purpose and this matter should be attended to without delay. Thrips may make its appearance at any time now in *American Beauty* and, as spraying is no longer safe, fumigation must be practiced. If taken in hand early the insects are easily destroyed by painting the heated pipes with *Nico-fume* at full strength, two or three applications on alternate evenings being usually all that are necessary. A mixture of camphor in solution and 30 per cent nicotine has been found far more effective than cayenne pepper. Whether it is that this is difficult to procure of full strength or whether it has been overpraised in the past we are not prepared to say, but certainly it has not proved by any means effective against this troublesome pest of the rose grower. Sweetened solutions of *Paris-green* sprayed on the plants and washed off after 24 hours are also effective, but are considerably more trouble than the vaporizing fumigants referred to.

H. R. R.

Roses in the South.

The past two weeks and the next few weeks to come compose the transition period from fall to winter. Needless to say, it is a critical one and requires careful watching on the part of

to convert them into cash, but the future state of the plants and your pocketbook will be better and healthier if only a few of the strongest are cut and the others pinched out as fast as they show color. Most of the teas and

palm of the hand, and a medium mulch of pretty fresh cow manure. This will be sufficient for two or three weeks, when a sprinkling of dried blood will be a wonderful benefit. Manure water may also be supplied once in two weeks until the first of the year. See that the plants are kept nicely tied up and remove all side growth from the bottom suckers. Remove all dead leaves from the beds and keep the houses clean of all rubbish. WM. LEAR.

Piping Rose Houses.

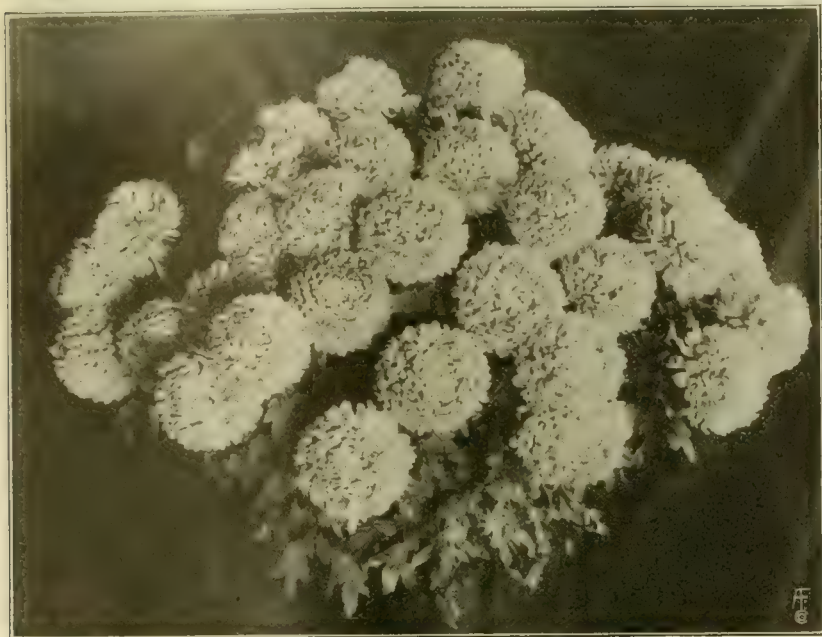
ED. AMERICAN FLORIST:

I have two houses 16x90 feet and 16 feet to the ridge in which I wish to grow roses. I have a Furman boiler and 2-inch pipe. Will you kindly tell me how to arrange the piping in these houses? How many flows and returns will be necessary? Would you advise placing both flows and returns under the benches, which are 2½ feet above the ground? The outside temperature falls to 10 degrees but generally is between 30 degrees and 40 degrees.

CONSTANT READER.

For 16x90-foot houses it will be possible to maintain a temperature of 60 degrees under the conditions mentioned, by using two 2½-inch flow pipes (or, if one has plenty of 2-inch pipe, three 2-inch flows could be used) and five 2-inch returns. The best circulation can be obtained if the flows are upon the plates rather than under the benches. If three flows are used the extra one can be a couple of feet below the ridge. About 900 square feet of radiation will be required for the two houses, but the heater should have a rating of 1,250 square feet.

The arrangement of the returns will depend upon the location of the benches. If the house contains three benches place two returns under each of the side benches and one beneath the center bench. L. R. T.



BASSETT & WASHBURN'S FIRST PRIZE VASE DR. ENGUEHARDT CHRYSANTHEMUMS

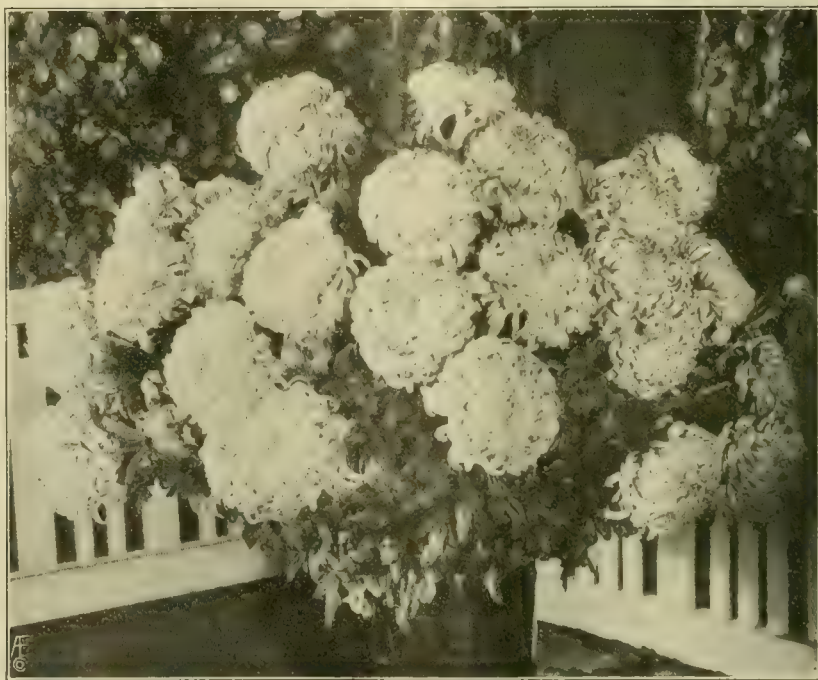
At the Chicago Show.

the grower. The plants are making a quick growth and the proper conditions must be maintained to insure this growth being strong and stocky. The days are bright and warm but the nights are cool enough to require a little fire heat. Plenty of ventilation is needed in daytime, raising the ventilators higher as the sun gains power. The cooling off of the houses during the process of syringing will now have to be reckoned with in ventilating. A fall of 5° to 10° is liable to occur when syringing and this fact must be borne in mind when giving air. A few minutes after this operation is finished will suffice to warm up the houses, then proceed to open up the ventilators slowly and gradually. It is still necessary to keep on about three or four inches of air at night, even when firing, until the weather gets below freezing. The air is then dry and continually on the move. By observing these precautions mildew may be held at arms' length. Mildew is purely the result of a condition, therefore avoid that condition. Thomson in his classic poem "The Seasons" correctly and aptly describes mildew as "clammy." That is it exactly. Avoid a clammy condition and your chances are good to avoid consequences. If your American Beauties are growing thick and rank get the syringing done as early as possible in the morning to give them all the chance to dry out before sundown. It is well to look over them in late afternoon and shake off any water that may be hanging in drops on the foliage. A light tap or two with a cane will readily dislodge the drops.

A great quantity of buds are now appearing and the temptation is great

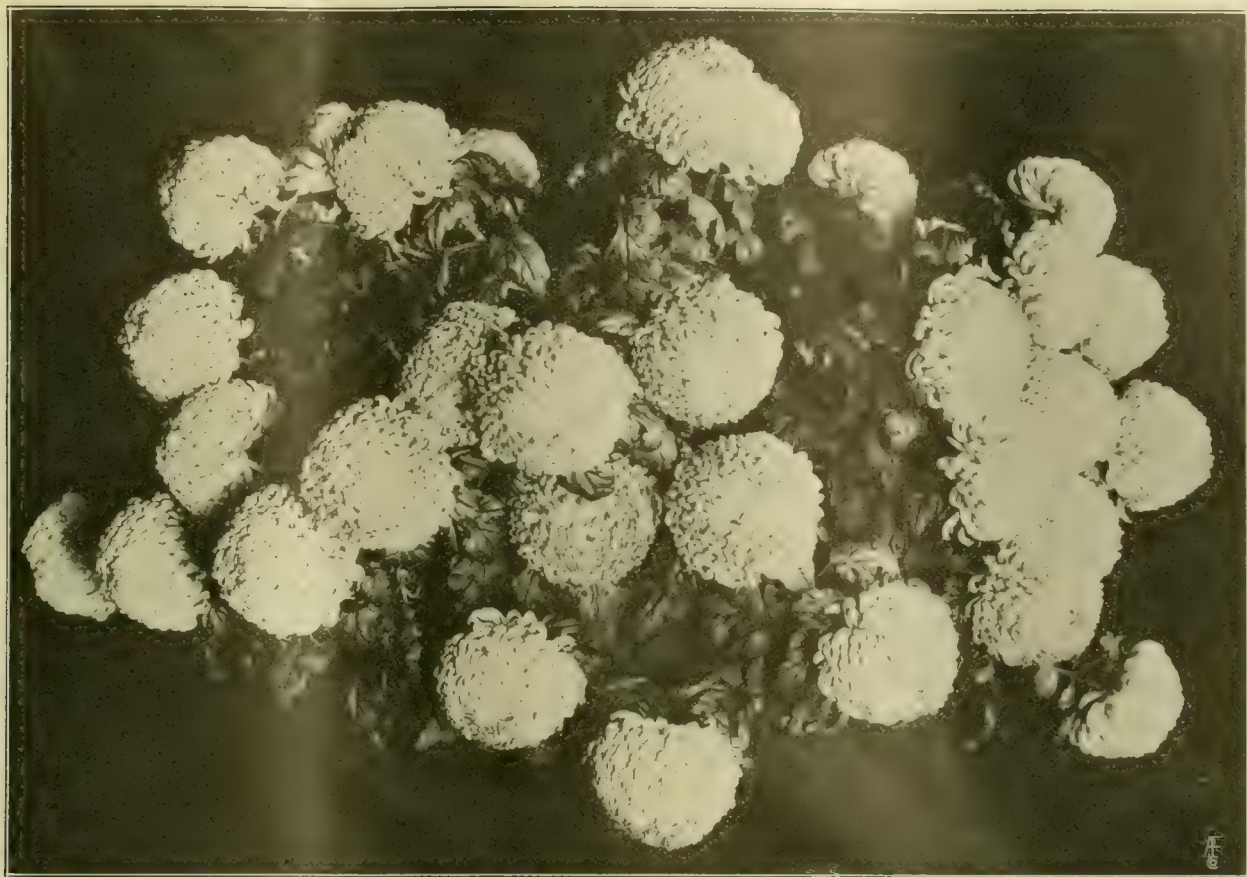
hybrid teas will be right for the holidays if pinched up to November 10 (or even November 15, if the weather is favorable).

The plants will require some feeding now. I prefer at this time a top dressing of bone flour, rubbed in with the



E. G. HILL CO.'S FIRST PRIZE VASE GOLDEN EAGLE CHRYSANTHEMUMS

At the Chicago Show.



POEHLMANN BROS. CO.'S FIRST PRIZE VASE MAJOR BONNAFFON CHRYSANTHEMUMS AT THE CHICAGO SHOW.

Chrysanthemum Stock Plants.

What is the best way to treat old chrysanthemum plants? How long does it take bone meal to have an effect on plants? H. Y. S.

If the chrysanthemum plants are grown in pots, they can be left in the pots in which they were grown. If in benches or beds, and the same are wanted for some other crop, the better plants, as many as are wanted to produce the cuttings for another year, are lifted and planted quite closely together, being careful to correctly label each variety and with space enough between the varieties so that they will not run into each other and get mixed. A very cool house during the winter months will suffice to keep them, as the cuttings are not generally wanted until spring. If in a climate where the temperature does not run too low a cold frame that can be protected makes an ideal place to keep the plants, but they must be secure from all frost.

Ground bone is one of the slowest of the fertilizers to undergo the necessary chemical changes to become plant food, and the length of time required depends upon the fineness to which it is ground. Bone meal, which is one of the finest if used as a mulch, will make itself felt on the plant growth in ten or twelve days, but the effect is slow and will continue for some time. It is better, if immediate effect is wanted, to mix a small amount of bone meal with some sifted animal manure that is much quicker in action and use this mixture in small quantities and often. W.

BIRDSBORO, PA.—A. J. Grubb is making improvements on greenhouses on Main street.

THE FALL EXHIBITIONS

The Chicago Show.

On November 8 the doors of the Coliseum opened to one of the most beautiful displays of plants and flowers that ever has been shown by the Chicago Horticultural Society. The building is peculiarly adapted to the holding of such a large exhibition, the hall being large and commodious enough to admit of the displaying of large exhibits of decorative plants and the arranging of the same so that there is no overcrowding and each specimen can be given the necessary amount of space to show to the best advantage. The entire roof, which is of ample height, is hung with southern smilax, making a splendid bower, and through this shine the many electric lights, giving a very soft and subdued effect. The placing of the exhibits is very effective and the first impression that the visitor receives when entering the hall is that he has been transported into a vast garden profuse with flowers and beautiful specimens of decorative plants. The garden plan is followed throughout, the plants being arranged in large, artistic groups, as if in beds, with broad walks, the edges of which are laid with sod. Upon entering the portals, in the center are grouped a very fine display of immense chrysanthemum plants, particularly noticeable among which are beautifully grown

specimens of May Forster and Golden Age, exhibited by the Vaughan Seed Store. Directly behind these, stretching on either side, are two very extensive displays of palms and decorative plants from Lincoln and South Parks. The collection from Lincoln Park contains some very large and handsome palms and superbly colored crotons and dracenas, mingled with which are large Pandanus Veitchii. The display from South Park in addition to splendid palms and other decorative plants has in front a table covered with beautiful orchids, containing some very nice specimens of cattleyas, cypridiums and odontoglossums. To the right, in the center, is the bed containing the chrysanthemums grown as standards and half standards, and some very handsome plants were noted, one of Helen Clay Frick being in splendid shape, and a bush plant of Cosmos in the bed was a sight to behold, being literally covered with blooms. Around the hall are arranged other smaller beds containing magnificent specimens of all the plants known to the gardener that can be shown at this season. Beautiful palms, crotons, dracenas, pandanus and ferns on every side, one magnificent plant of cibotium regale being especially noticeable. Julius Roehrs Co. of Rutherford, N. J., has a small but choice collection, including

some very highly colored new crotons. *Dracena Lindenii*, *Massangeana* and *terminalis* and plants of *Celosia Castle Gould*. H. A. Dreer of Philadelphia

to the sod, making a fine contrast to the mass of color behind them. In a portion of this exhibit was seen the new fern *Nephrolepis Roosevelt*, a

fine display of the crested variety of *nephrolepis* was made by Schiller the Florist.

At the end of the hall, under the large balcony, are arranged the exhibits of single chrysanthemum blooms. While the number of contestants was not large, there being but four, and the contest not close, yet the blooms were of very fine quality and some very handsome specimens shown. E. G. Hill Co., of Richmond, Ind., was the first prize winner, closely followed by Elmer D. Smith & Co. of Adrian, Mich. and the Mount Greenwood Conservatories staged some very well finished blooms. These blooms were shown in two classes, each containing 25 varieties, one bloom of each one class calling for blooms to be shown in vases and the other on mossed boards. The contestants all selected their better blooms for the latter class, which, although the boards were placed low down and in the best possible manner, yet the depth of the bloom is lost sight of by this manner of showing, and if the same specimens were arranged in low vases a much better display would have been the result. In the Hill collection were noted some magnificent blooms: Mrs. D. V. West, an exquisite white; F. S. Vallis, a yellow, was the prominent flower it has been for the last few years; Harold Wells is a beautiful pure white; Glenview, an elegantly grown bronze; Wells' Late Pink was a beautiful bloom of exquisite light daybreak pink and Pockett's Crimson was the gem of the collection, an elegantly built bloom of the brightest crimson, the reverse being bright gold and just showing enough to make a brilliant contrast. In the Smith collection O. H. Broomhead was a magnificent flower, a beautiful pink; Mrs. W. Mease, a fine specimen of yellow of the Japanese reflexed class; Naomah, a pure snowy white of beautiful luster, tightly incurved, making a veritable snow ball, and Reginald Vallis, a dark pink, was a



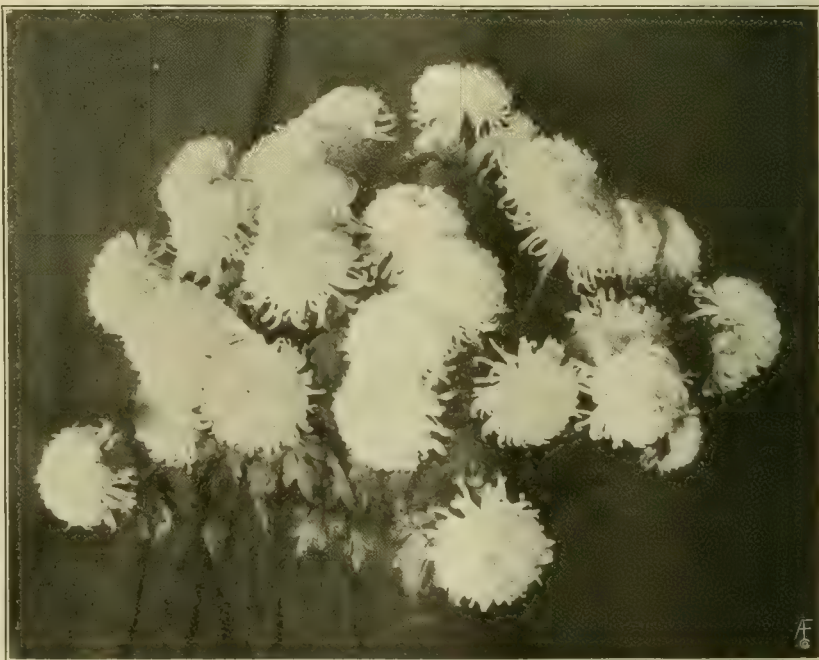
E. G. HILL CO.'S FIRST PRIZE VASE A. J. BALFOUR CHRYSANTHEMUMS.

At the Chicago Show.

has a group of splendid specimens of *Cocos Weddelliana*. Three beds of large plants of single chrysanthemums, one of all yellow, one of white and one of pink varieties, are very effective additions. A bed of splendidly grown bright red geranium plants made a very bright, showy display.

A collection of plants that was very interesting and instructive were the fine specimens exhibited by John Cook, Department of Botany, University of Chicago, which contained many rare plants not often seen in the exhibition halls. The handsome specimens of *Raystonia Borenguena*, a new and very rare palm, which were at least ten feet high and were beautiful and graceful plants, attracted admiration. Other plants that were interesting, being beautiful specimens, were *Coccoloba uvifera*, with large leathery, glossy leaves; two plants of Mexican Pawpaw, one in fruit and the other in bloom; a Mexican pepper plant, a fine specimen of *Ficus Macrophylla*, and a *Coculus laurifolius* and beautifully colored large crotons. Other rare and unusual plants were shown by Robert Mueller, gardener to A. S. Trude, and H. Skjoldager, gardener to E. G. Uihlein, the former showing fine specimens of *Alocasia metallica*, *Anthurium Ferriense* and *Diffenbachia insignis*, and the latter a fine plant of *Anthurium Veitchii* with exceptionally large, handsome foliage. A very handsome bed was that arranged by Vaughan's Seed Store, to the left of the main entrance. Built very high in the center and toward the back and filled with very well grown small plants of the different classes of chrysanthemums, Japanese, incurved, pompons and singles, and the colors beautifully blended. In the front were arranged a fine assortment of ferns that came down

sport of the Harris Boston fern, which were very graceful plants. Another beautiful group exhibited by this concern was a small bed of *Araucaria compacta*, which were very fine specimens. The groups of palms exhibited by Frank Oechslein and The George Wittbold Co. contained some very handsome plants and the cluster of *Pandanus Veitchii* shown by the former were of extra good quality. A very



POEHLMANN BROS. CO.'S FIRST PRIZE VASE W. H. CHADWICK CHRYSANTHEMUMS.

At the Chicago Show.



GENERAL VIEW OF THE CHICAGO FLOWER SHOW.

fine specimen. Merza was a finely built bloom and ranked among the best. In the Mount Greenwood Conservatories collection, which, although the blooms were not quite as large as in the other two exhibits, yet the finish of the flowers was very fine and beautiful specimens of Rosemaur, an incurved Japanese pink, Mary Donnellan, yellow, Mrs. J. C. Neill, light yellow and Naomah, white, were elegantly built blooms.

The classes calling for vases of 12 and 25 blooms of a variety brought forth a great many very beautiful and well grown specimens. These were arranged in the several booths around the hall and attracted great attention from the spectators. In the 50 blooms, Timothy Eaton, Bassett & Washburn were first with a fine vase of extra large blooms. The contest in all the yellows was very close and the blooms were grand. E. G. Hill Co. was first in Golden Eagle, a beautiful vase; Elmer D. Smith & Co. first in Col. D. Appleton, magnificent blooms, and Mount Greenwood Conservatories first in Major Bonaffon, a finely finished vase of blooms. In pinks, Poehlmann Bros. Co. was first with a beautiful vase of Maud Dean, and Bassett & Washburn first with elegant Dr. Enguehard. In any other color Hill & Co. were first with a magnificent vase of Glenview. In the 12 blooms the competition in many of the classes

was very close and the exhibits all of excellent quality, particularly the vases of Pockett's Crimson and Merza shown by Elmer D. Smith & Co., of Adrian, Mich., and President Roosevelt by Bassett & Washburn.

Passing from the main hall into the smaller hall at the south end of the building, one was suddenly transported from summer or fall to winter, for here the nurserymen had literally outdone themselves in their displays of trees and shrubs, and by the liberal use of cotton on the floor and scattered through the shrubbery had pictured a beautiful winter scene. The Geo. Wittbold Co., Vaughan's Seed Store, The W. W. Barnard Co., Klehm's Nursery Co. of Arlington Heights and Frank Kadlec Nursery of Evanston all made very interesting and instructive displays of trees, evergreens and shrubs, which were correctly and legibly named. The box trees grown in various forms shown by the Kadlec nurseries attracted a great deal of attention. Leaving this hall and proceeding back to the main hall, before reaching the summer scene again, The Winterson Seed Co. is passed, and one gets a glimpse of spring, with the pretty representation of a tulip bed in bloom, backed with fine specimens of box and evergreen plants. A very artistic display of nursery stock is also made by Frank Clavey of the Ravinia nurseries, Deerfield, Ill.

Schiller, the Florist, showed a very tasty dinner decoration of single chrysanthemums and a booth in which were arranged some beautiful bridal arrangements was the center of attraction. A bride's shower bouquet of lily of the valley and a bridesmaid's bouquet of My Maryland roses were very beautifully shown and a bride's muff of pink tulle with a cluster of Vanda Carulea, with a few sprays of lily of the valley, was exquisite and greatly admired. Two exhibits that were very attractive were the case of orchids shown by E. G. Uihlein and the grafted chrysanthemum plant which had blooms of more than twenty varieties upon it.

Back of the nursery exhibits has been arranged a small auditorium in which on the several evenings will be delivered lectures by noted horticulturists on floricultural and horticultural subjects, which will be illustrated by stereopticon views. The lecture on the opening evening was by Prof. H. B. Dornier of the University of Illinois, on the subject, "What Illinois is Doing For the Florists."

The judges selected to award the several premiums are Prof. John F. Cowell of Buffalo, N. Y.; Adam Graham of Cleveland, O., and William L. Rock of Kansas City, Mo. Prof. Cowell not arriving the first day, Prof. H. B. Dornier was selected to act in his stead.

The roses were the feature of the show the second day, and the exhibition was small when compared with other years, but the quality of the stock shown by all of the exhibitors was very fine. There were but three entries in the class of 100 American Beauties, but the vase of blooms exhibited by Bassett & Washburn, which was awarded first premium, were simply grand and the color was a deep brilliant shade very seldom seen in this rose. This firm showed some superb flowers of Rhea Reid, Kaiserin, Augusta Victoria, Brides and My Maryland, securing five first prizes in six entries. The Killarney and White Killarney roses exhibited by Poehlmann Bros. Co. were exceptionally fine, securing first premium in each class, but they had a very worthy competitor in the blooms shown by Wendland & Keimel of Elmhurst, who showed some beautiful flowers. Poehlmann Bros. Co. were winners also in Richmond roses.

On Thursday morning the carnationists took possession of all the available space in the hall and they were out in full force and a very fine showing of carnations is promised. Some very elegant blooms are staged awaiting the judges' verdict. The Northwestern

Florists' Club had made preparations for the entertainment of the many visitors who attended the show, and a large gathering sat down at the tables in the banquet hall of the Hotel La Salle and enjoyed the bountiful menu which was provided. After the serving of the repast the remainder of the evening was spent in a most enjoyable manner listening to many witty remarks and interesting stories which were delivered by the gifted members and guests present.

In the middle of the hall to the left of the entrance is erected a large, well decorated stand in which Hand and his band, assisted by the following soloists, Miss Genevieve Smith, harpist; Miss Grace Hamlin, soprano; E. Wack, with cornet; Charles Fischer, with xylophone, and Darroll Martin with trombone, entertain the visitors throughout the afternoon and evening.

Awards—Chrysanthemums.

Best vase, 50 blooms, Wm. H. Chadwick.—Poehlmann Bros. Co., first; E. G. Hill Co., second; Albert Hay Floral Co., third.

Best vase, 50 blooms, Timothy Eaton.—Bassett & Washburn, first; E. G. Hill Co., second; Poehlmann Bros. Co., third.

Best vase, 50 blooms, any other variety.—E. G. Hill Co., first; Mt. Greenwood Cemetery Association, C. W. Johnson, grower, second; Elmer D. Smith & Co., third.

Best vase, 50 blooms, Maud Dean.—Poehlmann Bros. Co., first.

Best vase, 50 blooms, any other color.—E. G. Hill Co., first; Poehlmann Bros. Co., second and third.

Best 12 blooms, one variety, white.—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second; E. G. Hill Co., third.

Best 12 blooms, one variety, yellow, not darker in color than Major Bonaffon.—Bassett & Washburn, first; Poehlmann Bros. & Co., second; E. G. Hill Co., third.

Best 12 blooms, one variety, yellow, darker in color than Major Bonaffon.—Bassett & Washburn, first; E. G. Hill Co., second; Mt. Greenwood Cemetery Association, third.

Best 12 blooms, one variety, pink, lighter in color than Viviani Morel.—Mt. Greenwood Cemetery Association, first.

Best 12 blooms, one variety, pink, not lighter in color than Viviani Morel.—Mt. Greenwood Cemetery Association, first; H. W. Buckbee, second.

Best 12 blooms, one variety, red.—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second; E. G. Hill Co., third.

Best 12 blooms, one variety, bronze.—Elmer D. Smith & Co., first; E. G. Hill Co., second.

Best 12 blooms, one variety, any other color.—Bassett & Washburn, first.

Best 12 blooms, Mrs. Jerome Jones.—C. C. Pollworth & Co., first.

Best collection, named varieties, one bloom each, 25 varieties.—E. G. Hill Co., first; Elmer D. Smith & Co., second; Mt. Greenwood Cemetery Association, third.

Best collection, named varieties, one bloom each, 25 varieties, to be shown on mossed boards.—E. G. Hill Co., first; Elmer D. Smith & Co., second; Mt. Greenwood Cemetery Association, third.

Best display pompon varieties in at least 15 varieties, five sprays or more of each sort, shown in separate vases.—E. G. Hill Co., first.

Best display of single chrysanthemums, at least 15 varieties, five sprays or more of each sort shown in separate vases.—E. G. Hill Co., first; Alois Frey, second.

Chrysanthemum Plants.

Best specimen plant, any color, no restriction as to size of pot or growth.—Vaughan Seed Store, first and second; Mt. Greenwood Cemetery Association, third.

Best specimen plant, white.—Vaughan Seed Store, first and second; Robt. Mueller, gardener to A. S. Prude, third.

Best specimen plant, yellow.—Vaughan Seed Store, first; Mt. Greenwood Cemetery Association, third.

Best specimen plant, pink.—Vaughan Seed Store, first and second; Mt. Greenwood Cemetery Association, third.

Best specimen plant, single.—Vaughan Seed Store, first; Robt. Mueller, second; Mt. Greenwood Cemetery Association, third.

Best specimen plant, anemome.—Vaughan Seed Store, first; Robt. Mueller, second; Mt. Greenwood Cemetery Association, third.

Best standard, any color, not less than 30-inch stem.—Vaughan Seed Store, first; Mt. Greenwood Cemetery Association, second; Robt. Mueller, third.

Best two half-standards, not less than 12-inch stems, nor more than 24-inch stems, two varieties.—Vaughan Seed Store, first; Mt. Greenwood Cemetery Association, second and third.

Best three specimen plants, in variety, not less than 10-inch pots.—Vaughan Seed Store, first; Mt. Greenwood Cemetery Association, second; Robt. Mueller, third.

Best five specimen plants, pompon varieties, not less than 8-inch pots.—Vaughan Seed Store, first; Robt. Mueller, second; Mt. Greenwood Cemetery Association, third.

Best five specimen plants, single, white, not less than 8-inch pots.—Vaughan Seed Store, first; Mt. Greenwood Cemetery Association, second; Robt. Mueller, third.

Best five specimen plants, single, yellow, not less than 8-inch pots.—Vaughan Seed Store, first; Robt. Mueller, second.

Best five specimen plants, single, pink, not less than 8-inch pots.—Vaughan Seed Store, first; Robt. Mueller, second; Mt. Greenwood Cemetery Association, third.

Best 12 plants grown to single stem and bloom, any color, not over 6-inch pots, not over 30 inches high above the pots.—Vaughan's Seed Store, first.

Best group of chrysanthemums, plants arranged for effect, to occupy not less than 100 square feet.—Vaughan's Seed Store, first.

Best plant of odd or bizarre variety.—Mt. Greenwood Cemetery Association, first.

Best 24 plants, single stems, 6-inch pots, one or more varieties.—Vaughan's Seed Store, first.

Miscellaneous Plants.

Most interesting grafted specimen plant of any kind (if chrysanthemum. It must have at least three inches clean stem above soil). Rule 2 does not apply in this class.—Vaughan's Seed Store, first.

Best collection orchids (not less than 25 plants).—E. G. Uihlein, second.

Best three palms, not less than 10 feet high.—John Cook, University of Chicago, first.

Best Boston fern (or sports of the same).—Adam Wolniewicz, first.

Best six araucarias.—Vaughan Seed Store, first; Frank Orschlin, second.

Best three Gloire de Lorraine begonias (or its types in not less than 8-inch pots).—Schiller, the Florist, second.

Best flowering plant other than specified in class 48, chrysanthemums excluded.—Fritz Bahr, first.



CHRYSANTHEMUM PLANT ANNA.

Exhibited at the Chicago Show by Mount Greenwood Cemetery Association.

Floral Co. of Willmette, Ill., have some exceptionally fine specimens that promise to be winners in their classes. C. C. Pollworth Co. of Milwaukee also staged some very beautiful flowers. Other large exhibitors are Poehlmann Bros. Co., F. Dorner & Sons Co., La-Fayette, Ind.; Wellworth Farm Greenhouses, Downer's Grove, Ill.; Mount Greenwood Cemetery Association, Bassett & Washburn, Chicago Carnation Co. and J. A. Budlong Co. The banquet held the evening of November 10 was a grand success. The Chicago

Best vase, 50 blooms, Dr. Euguehard.—Bassett & Washburn, first; C. C. Pollworth & Co., second; Mt. Greenwood Cemetery Association, third.

Best vase, 50 blooms, any other variety.—E. G. Hill Co., first; Mt. Greenwood Cemetery Association, second; Bassett & Washburn, third.

Best vase, 50 blooms, Maj. Bonaffon.—Poehlmann Bros. Co., first; E. G. Hill Co., second; Elmer D. Smith & Co., third.

Best vase, 50 blooms, Golden Eagle.—E. G. Hill Co., first; Mt. Greenwood Cemetery Association, second; C. C. Pollworth & Co., third.

Best vase, 50 blooms, Col. D. Appleton.—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second.

Best vase, 50 blooms, any other variety.—Poehlmann Bros. Co., first; E. G. Hill Co., second.

Best six Boston ferns (or sports of the same, one or more varieties, not less than 10-inch pots).—Vaughan Seed Store, first; Schiller, the Florist, second.

Best collection of ferns, number of varieties to be considered in judging.—E. G. Uihlein, first; Vaughan Seed Store, second; Schiller, the Florist, third.

Best filled fern dish, not to exceed 15 inches in diameter.—The Geo. Wittbold Co., first; J. A. Cook, University of Chicago, second; Peter Schilt, gardener to Kenneth Barnhart, third.

Best basket or hamper of plants.—E. G. Uihlein, first; The Geo. Wittbold Co., second; John Cook, third.

Best 12 Pandanus Veitchii, not less than 6-inch pots.—Frank Oechslein, first.

Best group of dracenas, in variety.—E. G. Uihlein, first.

Best three Ficus Pandurata.—Schiller, the Florist, first.

Roses.

Best 25 American Beauty—Bassett & Washburn, first; Poehlmann Bros. Co., second; Peter Reinberg, third.

Best 40 Richmond—Poehlmann Bros. Co., first; Peter Reinberg, second; J. A. Budlong, third.

Best 40 My Maryland—Bassett & Washburn, first; J. A. Budlong, second; Poehlmann Bros. Co., third.

Best 40 Bride—Bassett & Washburn, first; J. A. Budlong, second.

Best 40 Bridesmaid—Bassett & Washburn, first; J. A. Budlong, second.

Best 40 Killarney—Poehlmann Bros. Co., first; Wendland & Keimel, second; J. A. Budlong, third.

Best 40 White Killarney—Poehlmann Bros. Co., first; Bassett & Washburn, second; Wendland & Keimel, third.

Best 40 any other variety—Peter Reinberg, first; J. A. Budlong, second; Poehlmann Bros. Co., third.

Best 100 American Beauty—Bassett & Washburn, first; Poehlmann Bros. Co., second; J. A. Budlong, third.

Best 100 Richmond—Poehlmann Bros. Co., first; J. A. Budlong, second.

Best 100 Killarney—Poehlmann Bros. Co., first; Wendland & Keimel, second; J. A. Budlong, third.

Best 100 White Killarney—Poehlmann Bros. Co., first; Wendland & Keimel, second; J. A. Budlong, third.

Best 100 My Maryland—Poehlmann Bros. Co., first; J. A. Budlong, second.

Best 100 any other variety, red—Bassett & Washburn, first; Poehlmann Bros. Co., second.

Best 100 any other variety, white—Bassett & Washburn, first; C. Loveridge, second; J. A. Budlong, third.

Best 100 any other variety, pink—J. A. Budlong, first.

Best 100 any variety—Poehlmann Bros. Co., first; J. A. Budlong, second.

Best 12 blooms of a new rose never exhibited in this country previous to this season, a silver cup valued at \$25.00.—E. G. Hill & Co. Honorable mention.

Best 25 blooms, any variety not in commerce.—E. G. Hill & Co., first.

Visitors.

The following visitors were noted during the week:

W. Adcom, Janesville, Wis.
Jacob Allenbach, Peoria, Ill.
Edw. Amerpohl, Janesville, Wis.
V. H. Anderson and wife, Belvidere, Ill.
Harry Balsley, Detroit, Mich.
Mrs. Wm. Benning, St. Joseph, Mich.
Anda B. Bergstrom, Gibson City, Ill.
John Bertermann, Indianapolis, Ind.
Wm. Beyer, South Bend, Ind.
H. M. Bills and wife, Davenport, Ia.
R. J. Birnbaum, Springfield, Ill.
J. A. Bissinger, Lansing, Mich.
Jos. Bock and wife, Burlington, Ia.
C. O. E. Boehm, Davenport, Ia.
Mrs. Brauer, Grand Rapids, Mich.
A. C. Brown, Springfield, Ill.
H. W. Buckbee, Rockford, Ill.
Frank Button, Lake Geneva, Wis.
M. J. Callahan, St. Joseph, Mo.
F. A. Chapman, Grand Rapids, Mich.
W. W. Coles and daughter, Kokomo, Ind.
Miss Minnie L. Copeland, Marion, Ill.
Adair Cowan, Mount Vernon, Ia.
A. T. Cowan, Mount Vernon, Ia.
John F. Cowell, Buffalo, N. Y.
G. F. Crabb, Grand Rapids, Mich.
Eli Cross and wife, Grand Rapids, Mich.
Theo. A. Dana, LaFayette, Ind.
C. E. Desser and wife, Nebraska City, Neb.
Geo. J. Dinkel, Springfield, Ill.
H. E. Doles, St. Joseph, Mich.
H. B. Dörner, Urbana, Ill.
Miss Emily Dörner, LaFayette, Ind.
E. O. Dunham, Richmond, Ind.
Geo. Dysinger, Ionia, Mich.
J. C. Elspersmann, Evansville, Ind.
M. H. Elvidge and wife, New York.
A. Emerich, Paris, France.
John A. Evans, Richmond, Ind.
Frank Fiedler, Elgin, Ill.
Mrs. Alice M. Flick, Fort Wayne, Ind.
Mrs. J. M. Gasser, Cleveland, O.
Louis A. Giger, St. Louis, Mo.
A. L. Glaser, Dubuque, Ia.
Adam Graham, Cleveland, O.
Chris A. Hageman, Peoria, Ill.
Carl Hagenburg, Cleveland, O.
Geo. F. Hartung, Sandusky, O.
N. A. Harkett, Dubuque, Ia.
Geo. A. Heintz, Toledo, O.
Chas. A. Hewitt and wife, Monmouth, Ill.
Miss Ann Hewitt, Monmouth, Ill.
J. Hielbrinch, Grand Rapids, Mich.

Harry Hofmann, Jacksonville, Ill.
Thos. Holmes, Elgin, Ill.
Wm. F. Hornink, Cleveland, O.
J. L. Johnson and wife, DeKalb, Ill.
Walter T. Johnson, Muncie, Ind.
T. C. Joy, Nashville, Tenn.
Jas. Karins, Philadelphia, Pa.
W. F. Kasting, Buffalo, N. Y.
Wm. A. Kennedy, Jr., Milwaukee, Wis.
Frank J. Knecht, Fort Wayne, Ind.
F. R. Knehe, Lake Geneva, Wis.
Geo. A. Kuhl, Pekin, Ill.
Miss Lottie Kuhn, Michigan City, Ind.

Pennsylvania Horticultural Society.

The annual exhibition of the Pennsylvania Horticultural Society, which opened November 8 at Horticultural Hall, was a splendid display of chrysanthemums and flowering and foliage plants, largely from the many private estates. The arrangements were excellent and a most beautiful exhibition



CHRYSANTHEMUM PLANT GLADYS.

Exhibited at the Chicago Show by Mount Greenwood Cemetery Association.

W. Logan Kring, Fairbury, Ill.
Chas. Loveridge, wife and daughters, Peoria, Ill.
M. A. McKenney, Milwaukee, Wis.
E. H. Mann and wife, Richmond, Ind.
Miss Katherine Manz, Owensboro, Ky.
A. Miller, Philadelphia, Pa.
J. A. Muller, Rutherford, N. J.
A. L. Munk, Mt. Gilead, O.
E. A. Munk, Columbus, O.
Samuel Murray, Kansas City, Mo.
Harry Newby, Logansport, Ind.
Grant Newport, Cedar Rapids, Ia.
P. J. Olinger and wife, Cincinnati, O.
H. A. Olsen and wife, Peoria, Ill.
S. J. Perry, Grand Rapids, Mich.
Andrew Petersen and wife, Hoopston, Ill.
Frieda M. Peterson, Gibson City, Ill.
J. A. Peterson, Cincinnati, O.
Wallace R. Pierson, Cromwell, Conn.
I. L. Pillsbury, Galesburg, Ill.
C. C. Pollworth, Milwaukee, Wis.
H. C. Reiche, Michigan City, Ind.
Jos. Reisinger, LaCrosse, Wis.
Fred Reutschler, Madison, Wis.
Geo. Reutschler, Madison, Wis.
Frank L. Riley, Des Moines, Ia.
Walter B. Riley, Des Moines, Ia.
Wm. L. Rock, Kansas City, Mo.
C. W. Scott, New York.
G. A. Sellinthin and son, La Crosse, Wis.
A. J. Smith and wife, Lake Geneva, Wis.
Elmer D. Smith and wife, Adrian, Mich.
Henry Smith, Grand Rapids, Mich.
H. P. Smith, Peoria, O.
Philip J. Smith, Sandusky, O.
S. Sprague, Mishawaka, Ind.
John J. Stuppy, St. Joseph, Mo.
Norman A. Sullivan, Detroit, Mich.
J. A. Tapscott and wife, Owensboro, Ky.
W. E. Trimble, Princeton, Ill.
Geo. E. Valke, Minot, N. Dak.
Harry Van Velden, Grand Rapids, Mich.
W. J. Vesey, Jr., Fort Wayne, Ind.
W. L. Wahlstedt, Lake Geneva, Wis.
Mrs. W. H. Walker, Janesville, Wis.
Miss Rose Waltman, Davenport, Ia.
J. E. Winhart, Nebraska City, Neb.
R. E. Windler, St. Louis, Mo.
L. B. T. Winslow, Janesville, Wis.
Edith B. Wood, Cleveland, O.
Paul Zoellner, La Crosse, Wis.

was the result. Among the commercial exhibitors were Henry A. Dreer with an exhibit of foliage plants and hardy chrysanthemums, Henry F. Michell Co. showing bulbs, William H. Moon Co. with a fine display of evergreens and shrubbery and Conard and Jones Co. with an exhibit of cannas. The awards were as follows:

Best four plants Japanese chrysanthemums, four colors.—F. C. Penfield (John McCleary, gardener), first; Mrs. Joseph F. Sinnott (David Ingram, gardener), second.

Best three plants, pink.—Mrs. J. F. Sinnott, first; F. C. Penfield, second.

Best three plants, three varieties.—F. C. Penfield, first.

Specimen plant in not over 14-inch pot.—F. C. Penfield, first; J. W. Pepper (William Robertson, gardener), second.

Best two plants in not over 10-inch pot.—F. C. Penfield, first; Mrs. J. F. Sinnott, second.

Best six plants, one variety.—P. A. B. Widener, first; John Wanamaker (John H. Dodd, gardener), second.

Best six plants, yellow, not over six-inch pots.—Mrs. R. B. Ellison (Alex Lindroth, gardener), first; Mrs. F. C. Penfield, second.

Best six plants, any other color, not over six-inch pots.—P. A. B. Widener, first; Mrs. F. C. Penfield, second.

Best six plants, bronze, six-inch pots.—Mrs. F. C. Penfield, first; G. B. Newbold (Samuel Batchelor, gardener), second.

Best single flowering varieties.—John W. Pepper, first; C. B. Newbold, second.

Best six blooms, chrysanthemums, Mrs. Frank Thomson.—John W. Pepper, first; P. A. B. Widener, second.

Four vases, five blooms each.—J. W. Pepper, first; P. A. B. Widener, second.

Fifty blooms, 10 varieties.—P. A. B. Widener, first; C. B. Newbold, second.

Vase of 12 blooms.—P. A. B. Widener, first; J. W. Pepper, second.

Six vases, six varieties.—John W. Pepper, first; John Wanamaker, second.

Five blooms Beatrix May.—John Wanamaker, first; Mrs. Wm. M. Polts (W. J. Henderson, gardener), second.
 Five blooms Col. D. Appleton.—Geo. W. Childs-Drexel (Thos. Long, gardener), first; Mrs. R. B. Ellison, second.
 Five blooms O. H. Broomhead.—Craige Lippincott (Wm. Morton, gardener), first; J. W. Pepper, second.
 Display of hardy pompon chrysanthemums.—John W. Pepper, first.
 Best five white blooms.—John W. Pepper, first; Mrs. R. B. Ellison, second.
 Best five yellow blooms.—Geo. W. Childs, first; John Wanamaker, second.
 Best five pink blooms.—John Wanamaker, first; Craige Lippincott, second.
 Best five any other color.—Mrs. R. B. Ellison, first; C. B. Newbold, second.

San Francisco Flower Show.

The Grand Fall Flower Show this year at the Fairmont Hotel will long be remembered as one of the best and largest attended shows ever given by the Pacific Coast Horticultural and California State Horticultural Societies. The exhibition attracted a fashionable crowd, and many of San

ranged. There were two especially fine exhibits in this class; one by J. A. Carbone, and the other by MacRorie, McLaren Co. The collections of these parties were arranged so as to show the orchids as they grow in their tropical countries, and the effect of displaying them in this manner won the approval of all. There was an unusual amount of fine plants offered for competition, but among those that received particular mention was a plant belonging to J. A. Carbone, a white *Cattleya Gaskelliana*. It was a very handsome plant, and was at all times surrounded by a group of admirers.

Along with the other fine exhibits of ferns and plants, which were numerous, was to be found the work of the floral artists and decorators, whose skill helped to display nature's gifts in this particular line to a greater ad-



MINTA, LIGHT PINK POMPON.

Awarded Certificate by Chrysanthemum Society of America to Elmer D. Smith & Co., Adrian Mich.

Francisco's four hundred took active interest in displaying some of their choicest collections of plants and flowers, capturing in many instances first prize for their products. The display of chrysanthemums was particularly attractive, the flowers being larger and showier than ever. The contest for prizes in this class was entered by some of our most prominent growers, and their displays were so perfect as to render it a very difficult task for the judges to select the prize winners.

The orchid display was also one of the chief attractions of the show, and many high compliments were given their exhibitors for the skill and manner in which their shows were ar-

vantage than when the flowers were left upon the plant or bush. Many beautiful and original designs were executed, which reflected great credit upon their designers. One of the designs which received considerable praise was made by Pelicano, Rossi & Co. It was an exact reproduction of the Western Hemisphere, and was made with white and red carnations and selected ferns, all artistically draped with ribbon.

The professional judges of the show were E. Schwerin, S. Clack, C. Wolters, M. Ebel and S. R. Lundy. These gentlemen were assisted in passing judgment upon exhibits by a number of prominent society ladies.

The awards were as follows:

Best chrysanthemum plants.—H. Gertzheim, first.
 Best vase 50 chrysanthemums.—W. Munro, first; Donato Bros., second.
 Best vase 25 chrysanthemums.—Enomoto Bros., first; W. Munro, second.
 Best vase of chrysanthemums.—Pelicano Rossi & Co., first.
 Best vase of chrysanthemums.—M. H. De Young (Uhlmann, gardener), first.
 Best vase of chrysanthemums.—H. Gertzheim, first.
 Best arrangement of flowering and foliage plants.—McRorie, McLaren Co., first.
 Best collection of 12 ferns.—H. Plath, first.
 Best collection of *Neprolepis*.—H. Plath, first; E. James, second.
 Best collection *Neprolepis elegantissima*.—Alameda Floral Co., second.
 Best *Cibotium Scheidei*.—Jos. C. Love, first.
 Best stag and tree ferns.—McRorie, McLaren Co., first.
 Basket of ferns.—Wm. Munro, first.
 Best collection of orchids.—McRorie, McLaren Co., first.
 Best collection of cattleyas.—E. J. De Sabla (Hill gardener), first.
 Best collection of phalaenopsis.—J. A. Carbone, first.
 Best collection of oncidiums.—McRorie, McLaren Co., first.
 Best twelve crotons.—E. J. De Sabla, first.
 Best twelve cyclamen.—E. James, first.
 Best collection tuberous begonias.—T. W. Breen, first.
 Best twelve primulas.—Wm. Munro, first; E. J. De Sabla, second.
 Best basket potted plants.—H. M. Sanborn Co., first; Pelicano Rossi & Co., second.
 Best vase of American Beauty roses.—F. Rossi, first; H. M. Sanborn, second.
 Best vase of white roses.—F. Rossi, first; H. M. Sanborn Co., second.
 Best three vases of roses.—E. W. McLellan Co., first; J. A. Carbone, second.
 Best white carnations.—J. A. Carbone, first.
 Best red carnations.—J. A. Carbone, first.
 Best collection of carnations.—Enomoto Bros., first.
 Best collection of dahlias.—Wm. Kettlewell, first.
 Best vase of dahlias.—P. H. Eckelmann, first; M. H. De Young, second.
 Best basket of dahlias.—Sievers, Cornwall Co., first.
 Best collection single dahlias.—J. W. Bagge, first.
 Best collection cactus dahlias.—Wm. Kettlewell, first.
 Best table decoration.—J. Seulerberger, first; H. M. Sanborn Co., second.
 Best brides' bouquet.—Miss C. Williams, first; Pelicano Rossi & Co., second.
 Best bridesmaid bouquet.—Pelicano Rossi & Co., first; Miss C. Williams, second.
 Best original design.—Pelicano Rossi & Co., first; H. M. Sanborn Co., second.
 Best basket mixed flowers.—Francis Floral Co., first; Pelicano Rossi & Co., second.
 Best collection of vegetables.—Wm. Kettlewell, first.

Lenox Horticultural Society.

It was the writer's privilege to act as one of the judges at the annual chrysanthemum exhibition of the Lenox, Mass., Horticultural Society on October 26-27. I had previously heard a good deal about the horticultural status of Lenox and naturally expected to find something very fine. To say that I was not disappointed with my visit is putting it mildly. I was delighted with my visit, the hospitable way in which I was received and entertained, and with the high order of horticulture and the horticulturists. The money value of the prizes is small in Lenox compared with many other places, and these annual exhibitions cannot be charged to any mercenary motives, but are the outcome of real sportsmen-like spirit and friendly rivalry. The awarding of the various prizes was no easy task, the decisions in many cases being awarded by a narrow margin of points. This was particularly so in the vegetable classes, where only a matter of a few points separated the winning lot. Yet the kicking which one usually hears as the aftermath of the judge's decision was conspicuously absent.

The plant groups first of all were a revelation of artistic taste and design. Three contestants entered for the plant groups and two for the orchid groups. The arrangement in each case was dissimilar and the individual specimens used were of the highest order culturally, and the awarding of the prizes was very much a matter of individual taste regarding arrangement. The first prize was awarded to F. Heermans, superintendent to W. D. Sloane, Esq., "Elmcourt." His arrangement was very gracefully combined and the individual specimens could be seen at a glance from any point of vantage, and this proved the deciding factor in the award. The ground work was extremely rich, consisting principally of *Adiantum Farlowense* and highly colored rex begonias. The supporting columns on both sides were principally composed of this, with various specimen crotons, of Warrent and Prince of Wales varieties, also *Phoenix Reicheni* and *Asparagus Elongatus*. The specimen crotons were particularly handsome, standing 4 feet high and furnishing from the pots upward. The dominating colors used were white and pink, which consisted of begonias, lilies, gypsophylla and lily of the valley. The second prize was

awarded to Edward Jenkins, superintendent to Giraud Foster, Esq., "Bellefontaine." Pink and white also predominated in his arrangement, and his specimens were all that could be desired, but his group was heavier and had to be seen from various points to be assimilated. He had also some beautiful Warreni crotous and specimen palms. His flowering plants consisted of cypripedium, begonias, Gloire de Lorraine, fuschia, "The Rockford," specimen lilies and clerodendron. His ground work consisted of lily of the valley, adiantum Farleyense, filionias and asparagus sprengeri. The third prize was awarded to Allan Jenkins, superintendent to S. P. Shoter, Esq., "Shadowbrook." His group was a rock work design, neat, original and effective, but lacked in the richness of foliage. His color effect was red and white, consisting principally of clerodendron falax, bouvardia, justicia, lilies and lily of the valley. A. J. Loveless, superintendent to Mrs. John Sloane, was first for the group of orchids, and F. Heermans second. Mr. Heermans' group was more of a table effect in which he used a good deal of cork bark. They consisted principally of Cattleya labiata and Oncidium Rogersii, with adiantum Farleyense as a ground work. They were a charming lot, most tastefully and sweetly arranged, but they lacked the costliness and variety of the Mr. Loveless group which won out for him.

Mr. Loveless had some very fine specimens of cypripedium Danderae, dendrobium phalenopsis, odontoglossum crispum, oncidium papilio, oncidium ornithorhynchium and album, and many others. These groups were certainly worth going a long way to see. They were an education to the average citizen and also to the experienced gardener.

The chrysanthemum blooms were well up to the average, but we believe not quite as good as former years. The varieties principally shown were in the more recent introductions, viz.: Gladys Blackburn, Mrs. Stevens, Hetty Wells, Owunda, W. Mease, Keith Luxford, Mrs. Syme and R. F. Felton. Amongst the older varieties the following predominated: Beatrice May, F. S. Vallis, Prest, Viger, Mrs. J. C. Neill, Pockett's Crimson, Pockett's Surprise, Mrs. Wm. Duckham, W. M. Moire, Lady Hopetoun, Glenview, Merstham Blush, Rose Pockett, Mrs. J. C. Dunn, Leslie Morrison, Merza, Commandant Mathieu, Wm. Duckham, Mrs. Etherington, Mrs. Norman Davis, Nanceur Ber, Hamilton, Reginald Vallis and Geo. J. Bizard. In the six-inch pot classes the following were principally used: Mrs. Wm. Duckham, Beatrice May, Mrs. Stevens, Leslie Morrison and Pockett's Crimson. Among the single varieties the following were noted as particularly good: Merstham White, Annie Stevens, Nellie Redding, Anne Betts, Chas. Graves, Crown Jewel, Alice Cumber, Thirza Sanford, Sylvia Slade, Kitty Bourne, Mary Richardson, Mrs. Ferguson, Daisy, Mrs. Roberts, Marguerite and Yellow Queen. Among the carnations Alma Ward, Mrs. C. W. Ward and Dorothy Gordon were in the front in their respective classes. Lady Alzy was also there in good size and form.

For twelve flowering plants Mr. A. H. Wingett, superintendent for Chas. Lanier, Esq., won out with twelve fine specimens of geraniums. It is a wonder they are not more used, for here they made a fine display. Next in importance to the plant groups in Lenox is the vegetable displays. As will be noted from the prize list keener competition exists here than in any other section of the exhibition. The orchid grower, the chrysanthemum grower, the rose and carnation grower, all contribute to the vegetable classes. They had the finest lot of vegetables that I have ever seen, and I question if a finer lot was ever seen in this country. The first prize onions were an even lot and averaged 3½ pounds each. I do not believe there was an onion in the exhibition that weighed less than two pounds. Parsnips measured four feet, carrots three feet and leeks with 29 inches of blanche were some of the features. The gardeners of Lenox are certainly to be congratulated upon the most excellent showing. As a whole they stand at the head of their profession and their work will long be remembered.

The judges were: Howard Nichols, Yorkers, N. Y.; Richard Gardner, Newport, R. I.; Mr. Burton, Bar Harbor, Me.; Walter Angus, Chapinville, Conn.

Awards—Plants.

Three specimens chrysanthemum plants.—R. Spiers, gardener to Mrs. J. E. Parsons, first. One specimen chrysanthemum plant.—R. Spiers, first.

Twelve chrysanthemum plants grown to single stem in 6-in. pots.—S. Carlquist, gardener to Mrs. Robt. Winthrop, first; R. Spiers, second; A. J. Loveless, third.

Group of plants 100 sq. ft., arranged for effect.—F. Heermans, first; Edw. Jenkins, second; Allan Jenkins, third.

Group of orchids, 50 sq. ft.—A. J. Loveless, first; F. Heermans, second.

Best specimen palm Kentia.—A. H. Wingett, supt. for Chas. Lanier, Esq., first; A. J. Loveless, second.

Best specimen palm Areca.—A. H. Wingett, first; F. Heermans, second; Edw. Jenkins, third.

Best specimen palm, any other variety.—A. H. Wingett, first; Edw. Jenkins, second; F. Heermans, third.

Best specimen fern.—A. H. Wingett, first.

Three specimen ferns.—A. H. Wingett, first; F. Heermans, second.

Twelve ornamental foliage plants.—A. H. Wingett, first; A. J. Loveless, second; Edw. Jenkins, third.

Twelve flowering plants.—A. H. Wingett, first; A. J. Loveless, second; Edw. Jenkins, third.

Three Begonia Gloire de Lorraine.—Edw. Jenkins, first; A. H. Wingett, second.

Twelve cattleya labiata.—Edw. Jenkins, first.

Six cattleya labiata.—J. J. Donohoe, gardener to Mrs. M. K. Jesup, first.

Twelve cypripedium.—A. J. Loveless, first.

Six cypripedium.—E. J. Norman, first.

Cut Flowers.

Vase of 24 blooms chrysanthemums.—R. Spiers, first; F. Heermans, second; Edw. Jenkins, third.

Twenty-four blooms, distinct varieties.—Edw. Jenkins, first; F. Heermans, second.

Twelve blooms, distinct varieties.—R. Spiers, first; Edw. Jenkins, second; A. J. Loveless, third.

Six blooms, distinct varieties.—S. Carlquist, first; Thos. Page, supt. for Geo. H. Morgan, second.

Ten blooms chrysanthemums, any one variety. First prize, Chrysanthemum Society of America cup.—A. J. Loveless, first; Robt. Spiers, second.

Roses.

Eighteen blooms American Beauty.—F. Heermans, first; E. Jenkins, second; J. J. Donohoe, third.

Twenty-four blooms, pink.—F. Heermans, first; J. J. Donohoe, second; E. Jenkins, third.

Twenty-four blooms, white.—A. J. Loveless, first; F. Heermans, second.

Twenty-four blooms, Kaiserin Augusta Victoria.—F. Heermans, first; E. Jenkins, second; R. Spiers, third.

Twenty-four blooms, President Carnot.—E. Jenkins, first.

Twenty-four blooms, scarlet.—A. J. Loveless, first; F. Heermans, second; E. Jenkins, third.

Twenty-four blooms, any other variety.—R. Spiers, first; J. J. Donohoe, second.



CHRYSANthemum PLANT DR. ENGUEHARDT.

Exhibited at the Chicago Show by Mount Greenwood Cemetery Association.

Twelve blooms, disseminated 1910.—S. Carlquist, first; A. J. Loveless, second; F. Heermans, third.

Six blooms, yellow.—R. Spiers, first; F. Heermans, second; A. J. Loveless, third.

Six blooms, red.—Edw. Jenkins, first; A. J. Loveless, second; F. Heermans, third.

Six blooms, white.—F. Heermans, first; A. J. Loveless, second.

Six blooms, pink.—Edw. Jenkins, first; A. J. Loveless, second; R. Spiers, third.

Six blooms, bronze.—F. Heermans, first; A. J. Loveless, second.

Six blooms, any other color.—F. Heermans, first; A. J. Loveless, second; Edw. Jenkins, third.

Three blooms, yellow.—S. Carlquist, first; A. J. Jenkins, second; J. J. Donohoe, third.

Three blooms, red.—J. J. Donohoe, first; S. Carlquist, second; Thos. Page, third.

Three blooms, white.—S. Carlquist, first; J. J. Donohoe, second; A. J. Jenkins, third.

Three blooms, pink.—A. J. Jenkins, first; Thos. Page, second; S. Carlquist, third.

Three blooms, bronze.—Thos. Page, first; R. Spiers, second; S. Carlquist, third.

Three blooms, any other color.—S. Carlquist, first; J. J. Donohoe, second; Thos. Page, third.

Twelve vases single chrysanthemums, distinct varieties.—S. Carlquist, first; E. J. Norman, second; A. H. Wingett, third.

Six vases single chrysanthemums, distinct varieties.—R. Spiers, first; Edw. Jenkins, second.

Twelve vases pompon chrysanthemums, distinct varieties.—A. H. Wingett, first.

Six vases pompon chrysanthemums, distinct varieties.—S. Carlquist, first; Edw. Jenkins, second.

Twelve blooms, American Beauty.—J. J. Donohoe, first.

Twelve blooms, pink.—Thos. Page, first.

Twelve blooms, Kaiserin Augusta Victoria.—A. J. Loveless, first; Thos. Page, second.

Vases of 50 roses, in variety.—F. Heermans, first; H. Jenkins, second; R. Spiers, third.

Carnations.

Twenty-four blooms, white.—F. Heermans, first; A. H. Wingett, second.

Twenty-four blooms, pink.—F. Heermans, first.

Twenty-four blooms, dark pink.—F. Heermans, first; A. H. Wingett, second.

Twenty-four blooms, light pink.—F. Heermans, first; A. H. Wingett, second.

Twenty-four blooms, scarlet.—A. H. Wingett, first; F. Heermans, second; A. J. Loveless, third.

Twenty-four blooms, crimson.—A. H. Wingett, first.

Twenty-four blooms, any other color.—A. H. Wingett, first.

Twelve blooms, white.—Thos. Page, first; S. Carlquist, second; E. J. Norman, third.

Twelve blooms, pink.—Thos. Page, first; S. Carlquist, second; E. J. Norman, third.

Twelve blooms, dark pink.—S. Carlquist, first; R. Spiers, second; A. J. Loveless, third.

Twelve blooms, light pink.—S. Carlquist, first; R. Spiers, second; A. J. Loveless, third.

Twelve blooms, scarlet.—Thos. Page, first; S. Carlquist, second.

Twelve blooms, crimson.—S. Carlquist, first.

Twelve blooms, any other color.—R. Spiers, first.

Vase of 50 carnations, in variety.—F. Heermans, first; A. H. Wingett, second.

Best 100 single violets.—R. Spiers, first; T. Page, second; E. J. Norman, third.

Best 100 double violets.—A. H. Wingett, first; A. J. Loveless, second.
 Twelve dishes apples, distinct varieties.—E. Jenkins, first.
 Six dishes pears.—G. H. Thompson, superintendent for Count De Heredia, first; A. J. Loveless, second; E. Jenkins, third.
 Two bunches grapes, black (indoors).—S. Carlquist, first; A. J. Jenkins, second; E. Jenkins, third.
 Two bunches grapes, white (indoors).—S. Carlquist, first.

Vegetables.

Best collection of vegetables, 18 varieties.—E. Jenkins, first; R. Spiers, second; G. H. Thompson, third.
 Best collection of vegetables, 12 varieties.—S. Carlquist, first; Thos. Page, second; F. Heermans, third.
 Best collection of vegetables, 6 varieties.—David Dun (gardener to Mrs. F. K. Sturgis), first; J. J. Donohue, second.
 Best six heads celery.—G. H. Thompson, first; E. Jenkins, second; S. Carlquist, third.
 Best six onions.—A. H. Wingett, first; E. Jenkins, second; S. Carlquist, third.
 Best six carrots.—J. J. Donohue, first; F. Heermans, second; S. Carlquist, third.
 Best six leeks.—A. H. Wingett, first; S. Carlquist, second; J. J. Donohue, third.
 Best six Endive.—S. Carlquist, first; G. H. Thompson, second; A. J. Loveless, third.
 Best dish of tomatoes, one variety.—S. Carlquist, first; F. Heermans, second; G. H. Thompson, third.
 Best six heads of lettuce, one variety.—E. Jenkins, first; A. J. Loveless, second; Thos. Page, third.
 Best three heads cauliflower.—Thos. Page, first; E. Jenkins, second; S. Carlquist, third.
 Best dish mushrooms.—J. J. Donohue, first; S. Carlquist, second.
 First class certificates were awarded as follows: To Julius Roehrs Co., of Rutherford, N. J., for Cattleya Portia, Cattleya Lenox and Cattleya Edwardii; Henry A. Dreer, Inc., Philadelphia, Pa., for Ficus Wendlandi, and Nephrolepis exaltata superba. A diploma was awarded to Julius Roehrs Co., for collection of cyrtipediums.

A. N.

Tarrytown Horticultural Society.

The twelfth annual fall exhibition of the Tarrytown Horticultural Society was held at Irvington, N. Y., November 1-3. The exhibition throughout is finer than any that has ever been held in this vicinity—the individual blooms more nearly perfect and the competition keener in all the classes. There is considerable rivalry for the prizes offered by J. D. Archbold, Ferdinand Hermann, Miss Blanche Potter, Mrs. J. B. Trevor, William Church Osborn, William Rockefeller, Addison Johnson, Charles Mallory, W. A. Read, J. A. Stillman, H. Darlington, Mrs. Isaac N. Seligman.

The William Rockefeller silver cup was awarded to Adolph Lewisohn; the Charles Mallory cup to Robt. C. Clowry; the Miss Blanche Potter cup to Fred K. Potter; the F. R. Pierson cup to Fredk. Potter; the Wm. F. McCord cup to W. A. Read; the W. A. Read cup to Richard Delafield.

The F. R. Pierson Company made an elegant display of several varieties of its ferns, also palms, Phoenix Roebeleni, etc., also a fine plant of the new fern, Nephrolepis mossiae; also several vases containing 100 each of Killarney, White Killarney, and Richmond roses.

An elegant exhibit of fruit was made by W. A. Read. Chrysanthemums were exhibited by Elmsford Nurseries, Scott Bros., Props.; a very fine orchid plant in bloom by Ferdinand Hermann.

The exhibition called out the most prominent people of Westchester County. The beauty of the hall in which the elegant exhibits were displayed was a sight worth going a long distance to see.

The prizes awarded are as follows:

Special Prizes.

Society's prize, Silver Medal, for any new flower, foliage or decorative plant.—F. R. Pierson Co., for Nephrolepis Mossiae.

F. R. Pierson's prize, Silver cup, for exhibitor securing largest number of prizes during the exhibition.—Fredk. Potter (W. C. Roberts, gardener.)

J. D. Archbold's prize, best 12 blooms chrysanthemums.—W. A. Read (Andrew McKendry, gardener), first; Wm. Rockefeller (George Middleton, gardener), second.

Ferd Hermann's prize, best 20 blooms chrysanthemums.—Joseph Eastman (Robert Angus, gardener), first; Wm. Rockefeller, second.

Pierson U. Bar Co.'s prize, most effectively arranged table of decorative plants 3½x12 feet.—Joseph Eastman, first; S. P. Shotter (Allen J. Jenkins, manager), second.

C. P. Johnson's prize, collection of single chrysanthemums.—Mrs. F. A. Constable (Wm. Stuart, gardener), first; Henry Siegel (Thos. Atchinson, gardener), second.

David MacFarlane's prize, best three blooms chrysanthemums, 1 each pink, white and yellow.—Adolph Lewisohn (John Canning, gardener), first; Wm. Rockefeller, second.

A. T. Boddington's prize, best 6 blooms chrysanthemums, distinct varieties.—James Speyer (Samuel C. Horn, gardener), first; Charles Mallory (Wm. J. Seavey, gardener), second; Mrs. I. N. Seligman (John Brunner, gardener), third.

Miss Blanche Potter's prize, best six blooms chrysanthemums, 12 roses and 12 carnations.—Frederick Potter, first; Adolph Lewisohn, second; Wm. Rockefeller, third.

Mrs. J. B. Trevor's prize, 12 blooms chrysanthemums, one variety.—Frederick Potter, first; W. A. Read, second.

Mrs. Wm. Church Osborn's prize, 36 blooms chrysanthemums, six varieties.—Wm. Rockefeller, first; W. A. Read, second.

William Rockefeller's prize, best 18 blooms chrysanthemums, six varieties.—Adolph Lewisohn, first; W. A. Read, second.

Addison Johnson's prize, best arranged vase, 18 chrysanthemum blooms.—Miss Blanche Potter (Geo. Wittlinger, gardener), first; W. A. Read, second.

Charles Mallory's prize, 24 blooms chrysanthemums, four varieties.—Robert C. Clowry (Edward Brethwey, gardener), first; Mrs. Myron I. Borg (James Atchinson, gardener), second. Charles Vanderbilt's prize, largest chrysanthemum bloom.—W. A. Read.

W. F. McCord's prize, three plants Begonia Gloire de Lorraine.—W. A. Read.

Henry A. Dreer's prizes, best plant new golden leaved Smilax.—E. H. Weatherbee (Francis Milne, gardener), first. Best box of vegetables.—Mrs. E. L. Coster (Edward Kane, gardener), first; Richard Delafield (William Brock, gardener), second.

Burnett Bros.' prizes, best vegetables grown out doors.—Mrs. J. B. Trevor (Howard Nichols, gardener), first; Richard Delafield, second. Six specimens Burnett tomato.—Walston H. Brown, first.

W. A. Read's prize, best arranged floral decoration dinner table, six feet in diameter, 12 covers.—William Brock, first; Robert Angus, second; John Canning, third.

Isaac N. Seligman's prize, best basket of cut flowers.—P. W. Popp, first; Wm. Brock, second.

Philip Jewell's prize, best centerpiece for table.—Allen J. Jenkins, first; Mrs. M. E. Sands (Thos. A. Lee, gardener), second.

H. Darlington's prizes, six kinds out door vegetables.—Richard Delafield, first; Mrs. M. E. Sands, second. Best 18 carnations, three varieties.—Adolph Lewisohn, first; Frederick Potter, second.

Society's Prizes.

Best bush chrysanthemum plant, white.—Claude Wilson, first; E. H. Weatherbee, second.

Best bush chrysanthemum plant, yellow.—E. H. Weatherbee, first.

Best bush chrysanthemum plant, pink.—S. P. Lillenthal Estate (Hamilton Scott, gardener), first.

Best bush chrysanthemum plant any other color.—E. H. Weatherbee, first.

Best arranged group of palms, flowering and foliage plants.—Joseph Eastman, first.

Best six plants for table decoration.—Joseph Eastman, first; E. H. Weatherbee, second.

Best six ferns for table decoration.—Claude Wilson, first; Theodore Trevillian, second.

Best pair adiantums.—W. A. Read, first.

Best plant Begonia Gloire de Lorraine.—Adolph Lewisohn, first; Henry Siegel, second.

Best 12 blooms chrysanthemums, 4 varieties.—E. H. Weatherbee, first; Mrs. M. E. Sands, second.



CHRYSANthemum DICK WITTERSTAETTER.

Awarded Certificate by Chrysanthemum Society of America to Elmer D. Smith & Co., Adrian, Mich.

An Honorary Member's prize, 12 blooms White Killarney rose.—Frederick Potter, first; Mrs. F. A. Constable, second.

J. A. Stillman's prize, 12 blooms Richmond roses.—F. A. Constable, first; Osborn Estate, second.

Lord & Burnham's prize, 18 roses, three varieties.—Mrs. Stuyvesant Fish.

Richard Langle's prize, 12 blooms Pink Killarney roses.—Frederick Potter, first; Mrs. F. A. Constable, second.

Vaughan's Seed Store prize, 36 carnations, six varieties.—Wm. Rockefeller, first; H. Darlington, second.

Best six blooms, white.—Mrs. F. A. Constable, first; Frederick Potter, second.

Best six blooms, yellow.—James Speyer, first; Wm. Rockefeller, second.

Best six blooms, pink.—Frederick Potter, first; James Speyer, second.

Best six blooms, crimson.—Wm. Rockefeller, first; Henry Siegel, second.

Bunch 50 single violets.—Miss Blanche Potter, first; Frederick Potter, second.

Six varieties of apples.—W. A. Read, first.

Three varieties of apples.—W. A. Read, first; Six apples one variety.—W. A. Read, first; Mrs. M. E. Sands, second.

Six pears one variety.—S. P. Lillenthal Estate, first; Mrs. W. H. Pullan, second.

Two bunches greenhouse grapes, black.—Emil Berolzheimer (Wm. Jameson, gardener), first.
Six heads celery.—M. M. Van Buren (Frank Flanagan, gardener), first; Miss Blanche Potter, second.

Twelve onions, one variety.—Richard Delafield, first; Mrs. E. L. Coster, second.
Six leeks.—Richard Delafield, first; Miss Blanche Potter, second.

Two heads cabbage.—Richard Delafield, first; Mrs. Philip Schuyler, second.

Two heads cauliflower.—Mrs. E. L. Coster, first; Mrs. J. B. Trevor, second.

Three head lettuce.—M. M. Van Buren, first; W. A. Read, second.

Amateurs.

Best window plant.—Henry Wagner, first; Harold G. Neubrand, second.

Best bouquet.—Waldon Purdy, first; Harold G. Neubrand, second.

Twenty-five blooms, carnations.—Traendly & Schenck.

Twenty-five blooms, roses.—F. R. Pierson Co.

Twelve American Beauty roses, for private gardeners.—Edwin Gould, first; W. A. Read, second.

Twelve pink roses.—Miss Blanche Potter, first; Joseph Eastman, second.

Twelve white roses.—Frederick Potter, first; Mrs. J. B. Trevor, second.

Twelve yellow roses.—Joseph Eastman, first; Mrs. L. P. Child, second.

Twelve crimson roses.—Osborn Estate, first.

Twelve roses any other color.—Mrs. F. A. Constable, first; Frederick Potter, second.

Twelve white carnations.—J. J. Riker, first; Adolph Lewisholm, second.

Twelve scarlet carnations.—Frederick Potter, first; Wm. Rockefeller, second.

Twelve dark pink carnations.—Wm. Rockefeller, first; Frederick Potter, second.

Twelve light pink carnations.—J. J. Riker, first; Wm. Rockefeller, second.

Twelve streaked carnations.—Frederick Potter, first; Wm. Rockefeller, second.

Twelve crimson carnations.—Frederick Potter, first.

Buffalo Flower Show.

Words cannot convey to the mind the beauty and success of the first "New Method" flower show of the Buffalo growers and retailers. The show was "new method" from the fact of there being no prize list whatever, everything being complimentary, and, beyond the restriction placed on the general effect, and outline of space, each exhibitor was permitted to let his ideas be reflected in the flowers and their arrangement.

The hall was entered through a pergola made from the natural logs of the forest with their branches cut short and the bark left on and generously treated with wild smilax. On emerging from under this a sight met the eye never to be forgotten, immediately in the foreground was laid out a perfect French garden, the circular art effect being here employed by our talented landscape artist, Geo. McClure, Jr., to exceptional advantage, in the center of this space was a round bed of Scottii ferns with a fountain playing a spray to a varied height averaging thirty feet and falling into a large basin in which were gold fish. Surrounding this were circular beds in three tiers separated by generous paths and edged with grass sod, the grouping of these beds was carried out in low solid effect and was beautiful in every detail. Noticeable among which were those of chrysanthemum plants arranged by Mr. Sandiford for the J. J. Albright conservatories, also a magnificent bed of Gloire de Lorraine begonias from S. A. Anderson. Delaware Park and South Park conservatories, also contributed through their superintendents, Prof. Cowell and Mr. Donaldson, very fine beds.

Looking over this section the eye was delighted by an exhibit in front of the stage by the Wm. Scott Company and on the stage was another perfect semi-circular pergola with its graceful southern smilax hanging as from natural forest branches. The walls of the hall were hung from roof to eave with autumn tinted pin oaks and at a number of carefully selected positions were huge trees of the same reaching clear to the dome of the high Convention Hall. Passing around we find the first space on each side occupied by Reichert Bros. with palms and general stock, these extending the full length, the exhibits on one side of W. J. Palmer & Son, on the other that of S. A. Anderson. The Palmer section was distinctive in its feature of the use of birch bark, immense trees extending the full length of their exhibit, each tree featuring its special flower, one being of American Beauties, one of pompon chrysanthemums, one white roses, and so on down a line of veritable beauty, beneath these trees were effectively displayed the general stock of the storeman in tempting manner. Mr. Palmer also had a couple of dainty and artistic table decorations and many little basket favors displaying his ideas of the use of cut flowers. The S. A. Anderson space was one to be remembered, in size, in the originality of conception, and in the quality of the cut flowers and plants displayed. Mr. Anderson proved his claim to destination as a leader in our line. One end of the exhibit was devoted to Boston ferns (such ferns) another space to cibotiums, another to palms, another to crotons and miscellaneous decorative plants, the different sections being lightened by enormous vases of specimen chrysanthemums with the color grouping carried out as was also the grouping of the variety of plants. Perhaps the group-

general public, the most interesting was his orchid grotto where from an artificial mountain flowed a stream of water into several lakes. The light effect in the grotto, reflecting onto cattleya and oncidium orchid plants being both pleasing and effective. Mr. Anderson also had a dining table which was entirely changed each day, also an attractive display of novelties, baskets, bouquets, and suggestions to the buying public.

Two exceptional collections of orchids were shown artistically by Mr. Sandiford for J. J. Albright and Prof. Cowell for the South Park conservatories. Mr. Sandiford also had two immense (six pound) bunches of grapes grown by him. The other exhibitors, all of whom should

The work of the different committees, under the direction of general chairman Kasting was efficient and while from a financial point it was not a success it was from every other and a larger show is what will in all probability be the plans of the Buffalo Florists' Club.

St. Louis Horticultural Society.

The St. Louis flower show was opened November 8. The general effect in the arrangements show great care and too much praise cannot be given to the two workers who put their heads together and the grandeur of the display showed the wonderful work they had ac-



CHRYSANTHEMUM LENOX.

Awarded Dreer Special Prize at Morristown, N. J., Exhibited by Elmer D. Smith & Co., Adrian, Mich

have a detailed description of their efforts here, seemed to surpass the usual exhibition work, for they were allowed to please their own fancy and through the removal of the usual limited scope of ideas were able to show under one roof arrangements and uses of cut flowers not possible in any other way.

Among those to whom credit is due were the exhibits of L. H. Neubeck, J. Benson Stafford, Joseph Sangster, The H. Keitsch Sons Co., The Lenox Flower Shop, Wm. Legg, Stroh's Quality Shop, Henry Arber, D. Newlands & Co., Wm. F. Kasting Co., also the following growers who were ably represented by choice stock: Lake View Rose Gardens, Jamestown, N. Y.; Erie Floral Co., Erie, Pa.; Bauer Floral Co., Indianapolis, Ind.; S. S. Penneck-Meehan Co., Philadelphia, Pa., with double pink Killarneys grown by Robert Scott & Son, Sharon Hill, Pa.; Chas. F. Guenther, Hamburg, N. Y.; Wm. Ehmann, Cooper, N. Y.; C. F. Christensen, Eggertsville, N. Y.

complicated. At the southern end was the beautiful display of palms and foliage plants. The Water Department, in conjunction with the Park Department, had displayed a fountain at the south end, surrounded with plants and ferns, forming a very beautiful arrangement.

The judges were Fred Bruenig, W. Stertzling, J. Bourdet, Mrs. Nicholson and Robert Tesson. Following are the awards:

Shaw Premiums.

Display of decorative plants, no less than 12, nor more than 18 plants.—Wm. Schray & Sons, first; Sanders Nurseries, second; T. J. Fillmore, third.

Eighteen berried plants, one or more varieties.—Koenig Floral Co., first; Sanders, Nurseries, second.

Twenty-five blooming plants, eight or more varieties, chrysanthemums excluded.—Wm. Schray & Sons, first; T. J. Fillmore & Son, second; Sanders Nurseries, third.

Twelve geraniums in bloom, not over 10-inch pot.—Koenig Floral Co., first; F. J. Fillmore & Son, second; Bentzen Floral Co., third.

Specimen palm, size taken into consideration. Wm. Schray & Sons, first; C. Young & Sons Co., second.

Specimen fern, size taken into consideration.—H. J. Weber & Sons Nursery Co., first; Sanders Nurseries, second; C. Young & Sons Co., third.

Blooming plant, other than chrysanthemum.—Koenig Floral Co., first; Wm. Schray & Sons, second; F. H. Meinhardt, third.

Fern dish, not over 10 inches in diameter.—Wm. Schray & Sons, first; Sanders Nurseries, second; C. Young & Sons Co., third.

Pasadena Gardeners' Association.

Third Annual Exhibition.

Held at the Maryland hotel on November 3-4-5, the third annual exhibition of the Pasadena Gardeners' Association was more remarkable for the interesting exhibits than for size and this live association, composed of gardeners at the various fine private establishments in the neighborhood, is to be congratulated on the successful outcome of its efforts. Despite a threatening morning and some rain the attendance was better the first day than at any previous show and the number and quality of the exhibits were larger and better. The cut flowers were generally good in quality but a

cepts, *oncidium varicosum*, a pretty yellow *Cypripedium insigne* after the style of Saudere and several others. Mr. Hertrich came in for much praise for this fine group, which was well deserved. A pretty group of orchids was also put up by A. McKenzie, gardener to A. Kingsley McComber.

The trade exhibits were numerous and interesting. Howard & Smith arranged a large structure in the center of the tent with smilax strings used festoon-like all around it and in the bays formed by the strings were shown a number of choice cactus dahlias. Unfortunately these dahlias were all shown on flat mossed boards with no stems showing, and were unnamed, but a magnificent snow white cactus was greatly admired. Good phloxes and a number of florists' flowers were also shown. E. H. Rust of the Palm Nurseries, South Pasadena, put up a most interesting group of shrubs, evergreens, conifers, ferns and other plants. *Erica Mediterranea* and *E. persoluta* alba from the open nursery were good. *Dracaena Douceti*, with its narrow, white variegated leaves, is perfectly hardy here and a beautiful thing which, in the opinion of J. W. Ross, Mr. Rust's capable foreman, has come to stay. Of ferns, *Pteris Childsi*, a variety of *P. serrulata*, is charming, and *Nephrolepis Scholzii* was also well shown. Coolidge's Fernery and Rare Plant Gardens showed a rich variety of novelties and varieties in fruiting shrubs, of which we especially noted *carissa grandiflora*, shown in fruit, and the rare *Peijoa Sellowiana*. A charming assortment of hardy ferns such as *scelopendrium*s and *asplenium*s was also included. Edwin D. Sturtevant of Hollywood showed a number of flowers of interest as being grown outdoors in November, including *Dipladenias Bolivensis* and hybrids. *Dioecya glycinoides* and many others. The Theodosia E. Shepherd Co., of Ventura, put up a charming series of varieties of single *petunias* with beautifully colored fringed petals and a number of rare botanical species were put up by the Montarrosa Nursery of Santa Barbara, including a very beautiful *jacaranda*, a white *poinsettia* and many others. Dr. Franchesi is a mine of information on this class of plant and was most interesting. Wright's Flower Shop and Morris & Snow, of Los Angeles, Miller of Hollywood, Campbell's Seed Store and other local firms put up fine exhibits not for competition. H. R. R.



ELMER D. SMITH & CO.'S FIRST PRIZE VASE COL. D. APPLETON CHRYSANTHEMUMS.

At the Chicago Show.

Group variegated, foliage plants, not less than 24, nor more than 30 plants.—Wm. Schray & Sons, first; Sanders Nurseries, second.

Group chrysanthemums, plants to occupy 75 square feet. Ferns, palms or foliage plants may be used as accessories.—Koenig Floral Co., first; Wm. Bruecker, second; C. Young & Sons Co., third.

Three specimen chrysanthemum plants, white.—Koenig Floral Co., first.

Three specimen chrysanthemum plants, pink.—Koenig Floral Co., first.

Three specimen chrysanthemum plants, any other color.—Koenig Floral Co., first.

Specimen chrysanthemum plant, white.—Koenig Floral Co., first; Sanders Nurseries, second.

Specimen chrysanthemum plant, yellow.—Koenig Floral Co., first; Sanders Nurseries, second.

Specimen chrysanthemum plant, pink.—Koenig Floral Co., first; Sanders Nurseries, second.

Specimen chrysanthemum plant, any other color.—Koenig Floral Co., first.

Pair standard bay trees.—C. Young & Sons Co., first; Wm. Schray & Sons, second.

Plants.

Twelve begonias, one or more varieties.—Wm. Bruecker, first.

Display of pompons, anemone or single variety chrysanthemums, not less than 12 nor more than 18 plants.—Koenig Floral Co., first; Sanders Nurseries, second; Geo. E. Windler, third.

Twenty-five chrysanthemums, plants grown to single stem not over 40 inches in height above pot, not over 6-inch pot.—Sanders Nurseries, first.

Six blooms, new seedling chrysanthemum, not yet disseminated.—Certificates of merit to M. F. Widmer and Hy Edmunds.

Best display of chrysanthemums, one or more varieties attractively displayed, either cut blooms, plants or both, accessories not permissible.—E. G. Hill Co., Richmond, Ind.

Four vases carnations, 4 varieties, 50 blooms in each vase.—F. H. Meinhardt, first.

Fifty blooms, one or more varieties, competition open to growers of St. Louis and vicinity only.—Oakland Floral Co., first; Bentzen Floral Co., second.

Six vases roses, six varieties, 25 blooms in each vase.—F. H. Meinhardt, first.

Decorated dining room effect, including table and mantel decoration.—C. Young & Sons Co., first.

Exhibit from private garden.—Richard Mound, first; Richard Sudbrook, second.

Collection of hardy evergreens, 20 or more varieties, quality and arrangement to be considered.—H. J. Weber & Sons Nursery Co., first; Sanders Nurseries, second.

W. F.

little rough, showing want of care in finishing and staging. The plants were firm and the immense specimens of *Beatrice May* exhibited by Louis Fried, gardener to Clayton H. Garvey, in the single specimen and three plant classes were excellent, well finished, fresh and finely flowered.

Certainly the finest exhibit in the show and, according to old timers here, the finest ever staged in Southern California, was the grand groups of foliage plants and orchids put up by Wm. Hertrich, gardener to H. E. Huntington. Graceful palms, including some exceptionally good specimens of *Phoenix Roebelenii*, were used in conjunction with fine dracaenas, crotons and ferns to arch over a large sheet of water in which some of the finer nymphaeas were very naturally grouped, and in front of this was a beautiful bank of *Adiantum Farleyense* and some choice orchids, including good color varieties of *Cattleya labiata*, *Laelia an-*

Milwaukee Flower Show.

The annual flower show of the Milwaukee Florists' Club was opened in the Auditorium, November 9, and will continue until November 13. The hall was beautifully decorated and the exhibits were fine. The table decorations were a very attractive feature and were very handsome, the different exhibitors showing in their rivalry some very artistic work. The following were those who arranged the tables: J. M. Fox & Son, E. Wilke & Co., William O. Zimmermann, Walter M. Maas, Edelstein-Leidiger Co., Currie Bros. Co. and W. A. McKenney & Co. The Loveland Floral Co. exhibited a table of baskets. Following are the awards:

Best specimen chrysanthemum plant, white.—Vaughan's Seed Store, Chicago, first; C. C. Pollworth Co., second.

Best specimen plant, pink—E. Praefke, second; third.

Best specimen plant, yellow—E. Praefke, third.

Best specimen plant, any other color—C. C. Pollworth Co., second.

Best specimen plant, single variety—Vaughan's Seed Store, first; E. Praefke, third.



SPECIMEN CHRYSANTHEMUM PLANTS AT THE CHICAGO SHOW.



Adam Graham, Cleveland, O.



JUDGES AT THE CHICAGO SHOW.

W. L. Rock, Kansas City, Mo.



J. F. Cowell, Buffalo, N. Y.

Best specimen plant, anemone—Vaughan's Seed Store, second.

Best group of chrysanthemums, plants arranged for effect to cover 150 sq. ft. of space—C. C. Pollworth Co., first; A. Klakner, Wawatosia, second; Edelstein-Leidiger Co., third.

Best grafted specimen chrysanthemum, must have at least 3 inches clear stem above the pot—C. C. Pollworth Co., third.

Best vase 40 blooms, white chrysanthemum, 1 variety—C. C. Pollworth, first; Poehlmann Bros. Co., Morton Grove, Ill., second; Currie Bros. Co., third.

Best vase 40 blooms, pink, one variety—C. C. Pollworth Co., first; Poehlmann Bros. Co., second; Edelstein-Leidiger Co., third.

Best vase 40 blooms, yellow, one variety—Elmer D. Smith & Co., Adrian, Mich., first; C. C. Pollworth Co., second; Poehlmann Bros. Co., third.

Best 20 blooms, white, one variety—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second; C. C. Pollworth Co., third; H. W. Buckbee, Rockford, Ill., fourth.

Best 20 blooms, pink, one variety—W. Helwig, first; Poehlmann Bros. Co., second; C. Pollworth Co., third; Edelstein-Leidiger Co., fourth.

Best 20 blooms, yellow, one variety—C. C. Pollworth Co., first; H. Staeps, Elm Grove, second; Poehlmann Bros. Co., third; Edelstein-Leidiger Co., fourth.

Best 20 blooms, any other color, one variety—C. C. Pollworth Co., first.

Best 12 blooms, yellow, one variety—Elmer D. Smith & Co., first; H. W. Buckbee, second; C. C. Pollworth Co., third.

Best 12 blooms, pink—C. C. Pollworth Co., first; H. W. Buckbee, second; Elmer D. Smith & Co., third.

Best 12 blooms, white, one variety—C. C. Pollworth Co., first; Elmer D. Smith & Co., second; Wm. Eschrich Floral Co., third.

Best 12 blooms, any other color—Elmer D. Smith & Co., first; C. C. Pollworth Co., second.

Best 20 blooms, 20 varieties, in vases, not less than 12-inch stems—Elmer D. Smith & Co., first; C. C. Pollworth Co., second; H. W. Buckbee, third.

Best collection anemone varieties—Aloise Frey, Crown Point, Ind., first; Fox Point Floral Co., second; Holten & Hunkel Co., third.

Best collection single varieties—Aloise Frey, first; Holten & Hunkel Co., second.

G. R.

San Diego Floral Exhibition.

The fourth fall flower show of the San Diego Floral Association held in the Palm Court of the Grant Hotel was superior in every respect to all former efforts. The educational value of the Coolidge exhibit of new fruits and ferns was very great and E. D. Sturtevant's water lilies were a distinctive feature. Howard & Smith's show of dahlias was a rare treat, showing a large number of new seedlings. The chrysanthemum exhibit was very good and especially the potted plants of G. F. Otto and P. Richtmeyer. The well arranged section of palms, shrubs and conifers, arranged by E. Benard, was a very fine exhibit. The awards were as follows:

Largest and best collection of chrysanthemums—G. F. Otto.
Twelve blooms, one variety—G. F. Otto.
Best single bloom—G. F. Otto.
Collection of potted plants—G. F. Otto.

Largest and best collection, one bloom of a kind, open to amateurs—P. Richtmeyer, Colorado.

Best arranged basket or vase of flowers—Mrs. F. T. Scripps, first; Mrs. W. M. Crouse, second.

Best display of cut flowers by child not over 14—Master Francis de Pons, first and special.

Best collection flowering begonias—J. H. Bradshaw.

Best begonia plant—Mrs. A. R. Schimpf.

Display of potted ferns—A. D. Robinson.

Display of nephrolepis—A. D. Robinson.

Best novelty plant—Frank Frye, Jr., first; Mrs. Stephen Brown, second.

Collection of conifers, special prize, E. Benard.

Coleus, special prize—L. A. Blochman.

Bougainvillea, special prize—W. H. Harris, G. F. Otto.

Display by boy, special prize—John Chamblin.

Orchid, special prize—Dr. Francis Mead.

Seeding dahlias and nephrolepis, special prize—Howard & Smith.

Collection of ferns, special prize—D. W. Coolidge.

Water lilies, special prize—E. D. Sturtevant.

Six blooms, open to amateurs—Mrs. Sturgis, first; Fortune Lanier, second.

Best single bloom, open to amateurs—Fortune Lanier.

Best pink—S. A. Blockman.

Best decorative plant—E. Benard.

Best pair of plants standing exposure—E. Benard.

Best 25 shrubs for garden—E. Benard.

Best novelty plant—E. Benard.

Best specimen fern—E. Benard.

Largest and best collection of carnations—Fortune Lanier.

Best ten blooms carnations, one variety—Alfred D. Robinson, first; Fortune Lanier, second; A. D. Robinson, third.

Largest and best collection of dahlias—Paul G. Thiene, Old Town, first; Miss Sara Reese, Los Angeles, second.

Best 10 varieties dahlias—A. D. Robinson, first; L. A. Blochman, second; Mrs. Price, third.

Best six varieties cactus dahlias—A. D. Robinson, first; Mrs. F. T. Scripps, second.

Collection of cannas—Mrs. W. M. Crouse.

Display of perennials—Mrs. B. A. Neff.

Display of begonias—Mrs. F. T. Scripps.

Indianapolis Flower Show.

After an intermission of six years the Indiana State Florist Association held a Flower Show at Tomlinson Hall, Indianapolis, November 8-12. The show opened with ideal weather and the management felt optimistic in the outcome. The old hall was nicely decorated, as in former times, with laurel wreathing and wild smilax. An air ship was suspended from the center, and seven large groups of palms added much to the attraction of the show. What the exhibition lacked in specimen chrysanthemum plants, it made up in cut flowers. In the class of fifty blooms, E. G. Hill Co.'s Timothy Eaton, F. Dörner & Sons Co.'s Golden Eagle, and Raepke & Rieman's new seedling pinks, were marvels of beauty. A fine vase of R. F. Felton was also shown by the E. G. Hill Co. The latter company and Elmer Smith & Co. ran neck and neck for first honors in the twenty-five blooms to be shown on mossed tables, but the judges finally decided in favor of the E. G. Hill Co., however, they were both magnificent collections. A table of cattleyas and maiden hair fern was much admired by the ladies, judging from the large crowds usually

seen around the spot. Large bay trees and Boston ferns with a few vases of cut chrysanthemums made up the decorations for the stage.

In carnations, White Perfection took the lead in its color. In flesh pink, Fink Delight out-classed Enchantress, winning both first and second. In dark pink, Bright Spot won first, but showed up poorly after being staged a few hours, after which time Afterglow showed better keeping qualities. In light pink, Gloriosa won first and seemed to keep well. In red, Hill's new Mrs. Beckwith was first with Hoosier Tad as second, beating both Victory and Beacon. Dörner's new Crimson No. 113 ('97) won in its class.

W. W. C.

Washington Florists' Club Exhibition.

The fourth annual flower show of the Washington Florists' Club took place at Convention Hall October 30. It was a gorgeous display, breaking all previous records, and was more elaborate than any of its predecessors. The centerpiece of the exhibit is a superb Greek temple which rises in all the majesty of white in a dazzling setting of plants and flowers. Flanking it on one side is a Japanese pagoda on Fushimi mountain and on the other a quaint Dutch windmill with mountain stream and rustic bridge. All the members of the club contributed to make up these beautiful pieces of work. Among the exhibitors are Gude Bros., George Field, Theodore Deidrich, W. W. Kimball, John Robertson, George C. Schaeffer, George C. Cooke, Ley & Bickings, E. J. Schultz and James Carberry. The out of town firms represented are Henry A. Dreer of Riverton, N. J.; W. W. Evans of Hamilton, Va.; William Moore of Morrisville, Pa.; S. S. Pennock-Meehan Co. of Philadelphia; R. Vincent, Jr., & Sons Co., White Marsh, Md., and W. A. Bollinger, Bethesda, Md. The different evenings of the show are named and devoted to certain societies or features. Halloween night October 31 and Veterans' night November 1, to be followed by German-Irish night November 2. The committee in charge of the show are John Robertson, W. F. Gude, O. A. C. Oehmler, W. W. Kimmel, George Cooke, James Carberry and Elmer Mayberry.

Minnesota State Florists' Association.

The first chrysanthemum show of the Minnesota State Florists' Association was held in the Armory November 9-13, 1910, and was opened very auspiciously. The hall was beautifully decorated and the arrangements are fine, the lighting being perfect and the music is grand and greatly enjoyed. The exhibits are gorgeous, some magnificent plants and blooms being shown. The weather is clear and fine and quite cool, and the attendance on the opening days of the show is good. The chrysanthemum plants and flowers were both judged the first day, the principal exhibitors being Elmer D. Smith & Co., Adrian, Mich.; H. W. Buckbee, Rockford, Ill.; La Crosse Floral Co., La Crosse, Wis.; Holm & Olson, St. Paul, Minn.; L. L. May & Co., St. Paul; Will Bros., and L. S. Donaldson Co. of Minneapolis. Holm & Olson, L. L. May & Co., and Swanson displayed very handsome collections of decorative plants.

Panel designs that are very beautifully arranged are exhibited by Holm & Olson, L. S. Donaldson Co., L. L. May & Co., and Vasatka. The judges who will pass on the exhibits are J. S. Wilson of Des Moines, Ia.; J. J. Hess of Omaha, Neb., and F. W. Plummer of Kewanee, Ill.

OBITUARY.

Prosper J. A. Berckmans.

P. J. A. Berckmans, one of the most noted and eminent horticulturists and pomologists of America, passed away at his home, "Fruitlands," Augusta, Ga., November 8, after a very short illness. He was born in Belgium, October 13, 1830, at Aerschat, Province of Anvers, near Antwerp. He was the son of Dr. Louis Edouard Berckmans, a recognized authority among distinguished horticulturists and pomologists of Europe, and was descended from one of the oldest families of Belgium. He was educated at Tours, and before completing his education in Belgium and Paris, had attained note as a student of botany, and had assisted his father in the preparation of the "Album de Pomologie," the best and most complete work of its time.

In 1850, Mr. Berckmans visited the United States, and after prospecting concluded to remain, and with his father settled in Plainfield, N. J., in 1851. Six years later he moved to Georgia, purchasing the property near Augusta which he named Fruitlands. This place was improved, beautified and extended, and here Mr. Berckmans, the first of his family, turned to profit the profession and tastes which his forefathers for generations had followed for diversion and scientific study. Here his earnest life began, and he devoted time, energy and means in the pursuit of horticulture and the establishment of the largest commercial nurseries in the southern states, which have become famous not only in this country but all over the world. He early took as his mission the promotion of horticulture, and became a member of the first horticultural society in Georgia, upon its organization, in 1859. After the war, Mr. Berckmans brought together a few kindred spirits, and in 1876 organized the Georgia State Horticultural Society, of which he was elected the first president, and is the only president the society has ever had, being continuously elected to that office. In 1860 he became a member of the American Pomological Society and was at once intrusted with important committee work, serving with Dr. Warder and Robert Buist. In 1871, he succeeded Charles Downing as chairman of the committee on Native Fruits, and in 1887 became the president of the society, succeeding the late Hon. Marshall P. Wilder, which position he retained for a number of years. He was a member of the Georgia State Board of Entomology and many state and national organizations, and an honorary member of many scientific societies in England and on the continent of Europe, among which might be mentioned the "Societe d' Horticulture et d' Histoire Naturelle de L' Herault," of Montpellier, France, whose membership is limited to but twenty foreign members, and a member of one, which receives but four from outside of their own country. At the Horticultural Congress held in connection with the World's Fair at Chicago in 1893, Mr. Berckmans made the opening address.

He built up the great industry which he originated and from which he retired about ten years ago, leaving it to his sons, by close attention to business, study and travel, constantly learning and adopting the best, and by strictly honest dealings with his patrons, and could always be depended upon to send out exactly what was ordered and the best obtainable, and any just complaint was promptly attended to, and the purchaser made satisfied or his money returned. By this integrity and honesty he held a very strong place in the esteem and affection of the people of his city and was

an honored and beloved member of the community in which he lived, and leaves the legacy of a well spent, honorable and successful life and the example of a public spirited, loyal and distinguished citizen.

He was twice married, his first wife being Miss Mary Craig of New Jersey, and his second wife Mrs. Edith Frome Berckmans, who survives him. He also leaves three sons, Robert Craig, S. A. and P. J. A. Berckmans, Jr., and a step-son, Alonzo F. Purdy.

The funeral services were held November 9 at his late home on Washington road, and the interment was in the Summerville cemetery.

European Horticulture.

The Blue Rose Again.—When our American friends make a real effort at description they generally produce wonderful results. With the rambling Rose Veilchenblau as subject, the following description was given in a circular sent out by an enterprising American florist: "It is here at last, and it has remained for this first decade of the twentieth century, which has seen the discovery of the North Pole, the practical application of the flying machine, and development of many other heretofore 'impossible' things, to witness this latest triumph in the realm of growing things—The Blue Rose. The easiest way to describe it is to say it is a Blue Crimson Rambler—that is, imagine a climbing rose with all the strength and vigour of the Crimson Rambler, covering im-

of flowers are so well known that to recommend the growing of plants seems almost unnecessary, but, strange to say, there are many who do not grow these hardy plants which do well in any moderately good soil so long as the situation is a sunny one. Is it understood, asks the "Scottish Gardener," how easy plants may be raised from seed? We think not, and so send this reminder now when seed may be sown at once in boxes of any light soil, the seedlings being transplanted afterwards in a bed. Some of the plants so raised will bloom a little next year, but good results may be had from second year's plants. Many would grow these most useful plants if they only realized what little attention they really required when once they are established. Give seed sowing a trial this year by purchasing a small packet.

Mignonette Industry on the Mediterranean.—The raising of cut flowers for the wholesale trade, and particularly for exportation to the countries of northern Europe, is engaging a large number of growers along the shores of the Mediterranean, who specialize more and more in those plants that are of the greatest importance commercially. Three-fourths of the cut flowers grown in the Department of the Var, southern France, are shipped to Paris, London, Berlin, and Brussels, the rest go to other European markets. This Department exports annually not less than 800,000 to 900,000 postal packages of 6lb to 11lb each, representing a value of £160,666 to £208,333, including cost of packing and shipping. One of the



GROUP OF PLANTS AT THE CHICAGO SHOW.

mense spaces with its wondrous heavy canes and large, splendid foliage, and bearing immense trusses of roses, all the way from twenty to one hundred in number, but, instead of the gorgeous crimson flowers we all know so well, picture it in your mind with similar clusters of exquisitely beautiful violet-blue roses. The rose world is wild about the blue roses, and we expect even our enormous stock of the plants to be speedily exhausted. This wonderful production of the heretofore elusive colour in the rose world is a seedling from the Crimson Rambler discovered by a poor German florist. What a beautiful effect can be produced by having a red, white, and blue Rambler all trailing on the same porch, fence, or trellis, forming the national colours, or even on the lawn, or in the rose garden. It is a mistaken idea that rambles have to have a support; they can be grown very successfully in bush form."

Gypsophila paniculata from Seed.—The graceful sprays of Gypsophila paniculata for mixing with many kinds

flowers now largely cultivated is Mignonette, both as a cut flower for the foreign markets, and for the perfumery industry, the robust varieties producing thick, compact, and pointed racemes are the ones grown; the most perfect type is Reseda odorata, var. pyramidalis, which is in the greatest demand on account of its heavy racemes. Mignonette demands a soil which has been well worked over some months in advance, with good decomposed manure worked into it at the same time. Its culture includes two seasons, and hence two different methods. For the first year's crop in this section the seed is sown in August, in soil that has been first watered and then trench-plowed. After sowing, the beds are covered with litter or fresh dung. There is also an October sowing, following vegetables. The Mignonette is sown into the beds, which have again been moderately worked over. It comes up in about two weeks, and is sprinkled about once a week during the winter. Before the watering a little nitrate of soda is scattered

around; this promotes the growth and enhances the beauty of the flowers. The beds are protected at night from the 1st of December to the end of February. By February the plants have developed stout racemes. Mignonette is injured by prolonged rains, and still more by the flea-beetle, especially the first-year crop, this insect eating the young leaves as soon as they come out. It is fought by frequent sprinklings and the other usual means. The sowing of Radish seed at the same time with the Mignonette is recommended as a preventive, the flea-beetle then attacking the young Radish, which they prefer.—*Revue Horticole.*

Toronto.

COOLER WEATHER.

Cooler weather has had the effect of checking up the supply of flowers, and in roses particularly the output is limited. The quality is excellent and all that could be desired at this season of the year. The carnations are coming in fairly plentiful and the stock is good. At times there has been quite a demand for crimsons and reds, there being fewer of these varieties grown than formerly in this vicinity. Chrysanthemums are now at their best and some very fine blooms are coming in. Although a number of people like the large blooms, the majority are inclined to favor the medium sized ones. The pompons and singles are having quite a run, and some very pretty arrangements are noticed. Decorations for fall weddings have been fairly numerous and are pretty well divided up. The report on all sides is that business is very good. Some complaint is heard regarding the cheapness of chrysanthemums, but there are so many more of these grown each season the chances are they are a little over done. Violets have been the scarce article in the past week. The stock coming in generally is of poor quality and hardly worth the price being asked. Lily of the valley remains of very fine quality and is plentiful enough to fill orders.

NOTES.

Miss Margory Dunlop, daughter of John H. Dunlop, was married in Bonner Presbyterian Church to W. Farity. The church was beautifully decorated, and Mr. Dunlop's handsome residence, where the reception was afterwards held, also showed an artistic wealth of bloom.

All are looking forward to the coming chrysanthemum show, to be held at St. Lawrence Arena November 15-19, and there is every promise that the different classes will be well filled. The special railway rates will be taken advantage of by many outside florists.

George Hollis has almost completed a new house, 21x160, which will be devoted to carnations. At present he is marketing chrysanthemums in quantities, and has, as usual, a number of seedlings which show great promise.

Grobba & Wandrey have been busy lately with decorations for the department stores. Plants are used in such quantities that they find it convenient to ship car lots by freight, which saves them a haul of seven miles.

The Bedford Park Floral Co. are again cutting fine Richmond roses. This variety has always proved very successful with this firm, and they are planting more of it each season.

Thomas Manton is cutting some very fine blooms of cattleyas. The crop will now be held back for the chrysanthemum show, which takes place November 15-19.

Albert Houle, who has been ill at St. Michael's Hospital, is again able to be around, his illness having been more severe than was at first expected.

Our Canadian Thanksgiving Day, which took place October 31, was a great one for the florists, both Saturday and Monday being exceptionally good days, and were far ahead of last year. H. G. D.

Nashville.

Several killing frosts and a flurry of snow on October 28 brought a crispness and frigidity to the atmosphere that was not unexpected at this season but it put all the growers on the alert that their stock should not get a first chill. The long warm weather that continued so late enabled every grower to have his plant in readiness and no inconvenience was experienced at the sudden change. Trade has been fair, and the supply seems to be abundant for all purposes. Chrysanthemums, especially are fine, and are in great demand. All-Saints Day and All-Souls Day will enliven the coming week and have the effect of making trade brisk; already many orders have been taken; much more than formerly for these occasions. Several brilliant weddings occurred during the past week giving all a share in the work. At one of the most brilliant the church was decorated very elaborately with palms and white chrysanthemums. Through the palms extending from one bunch of chrysanthemums to the other were large bows and streamers of fluffy



The Late P. J. Berckmans.

white tulle. The ribbon pews were each marked with bunches of white chrysanthemums. The bridesmaids carried empire baskets filled with Killarney roses, the handles covered with asparagus and tied with dainty blue chiffon to match the dresden tints of their gowns. The brides' bouquet was of white orchids and lily of the valley with chateleine. The bridal table had a central plaque of bride roses and lily of the valley while over it, on the electric light dome, was a bridal bell. Tulle bows caught with lily of the valley extended to the table.

NOTES.

Joe Browne, proprietor of the Lischey Nurseries, has put up two new houses 20x75 feet. He grows a miscellaneous stock more for the plant market and also has a good trade in floral designs and in furnishing plant to the hotels and such places as use them. His principal stock is in the nursery business for which he has a fine stock of all kinds of shrubs, plants and trees.

The new Hermitage Hotel, just completed, is making an effort to have some one of the local growers, who have not an up town store, to take one of the small stores beneath the hotel lobby, from whom they would take their decorations and entire floral sup-

ply. This would probably be a fine stand for someone willing to undertake it. M. C. D.

Northern Indiana Florists' Association.

The Northern Indiana Florists' Association met at South Bend, Ind., October 19, and after a fine dinner provided by the South Bend florists, we were treated to a car ride to see the various greenhouses.

When we finally assembled at the store of Willis Kinyon, it was four-thirty o'clock. After disposing of the routine work, we had a discussion on the poinsettia by Mr. Humfeld, of Muncie; and the cyclamen by Mr. White, of N. Manchester.

We then discussed the advisability of establishing a buying agency, to buy pots, boxes and other needed supplies in quantity and thereby secure better prices.

The exhibits were quite a feature; a large representation being shown: Wagoner Floral Co., Columbia City, a vase each of Dorothy Gordon, Enchantress and Columbia carnations; Muncie Floral Co., vase of Kaiserin roses with three-foot stems from solid bed ten years old, vase of Golden Gate roses vase of chrysanthemum Clementine Tousey table-ferns, plumosus and sprengerii; Johnson Floral Co., Kendallville, vase of White Perfection and Seedling No. 1 (purple) and vase Pompon dahlias; Harry White, N. Manchester, vase each of Victory, White Perfection, White Enchantress, Harlowarden, Rose Pink Enchantress and Mrs. Lawson carnations; Willis Kinyon, South Bend, vase Richmond roses; W. W. Dederick, Tubuous begonias; W. H. Trayer of Elkhart, vase Polly Rose chrysanthemums, vase Enchantress and White Enchantress carnations. Arnold N. Judson, gladiolus America, bulbs measuring 2½ to 2¾ inches in diameter, Ten Eyck, Auburn, photo of gladiolus not named, which appeared to be exquisite; South Bend Floral Co., vase chrysanthemum Clementine Tousey.

After tendering the South Bend florists a vote of thanks for their royal entertainment, we adjourned to meet at North Manchester the third Wednesday in January, at which time we expect to receive samples and prices on boxes, etc., and decide on a make we will all use. This will mean several thousand dollars for the one we select, as we now have thirty-three members representing eighteen flourishing cities and towns in Northern Indiana.

A. J. WAGONER.

St. Louis.

The bright, cool weather continues and stock has shortened up but there has been but little demand and quite a few chrysanthemums, of the poorer grades, are left over. Violets are very slow and poor, the warm spell evidently hurting them. Greens are selling well.

NOTES.

C. Young & Sons Co. have a beautiful display in their west window of yellow chrysanthemums tastefully arranged in fancy baskets. The east window has a display of bulbs and orchids.

J. E. Meinhardt, of Webb City, was here last week to look after his interests at the coming flower show, and he will also show in Indianapolis and Chicago.

Charlie Kuehn was down to the store for a few minutes during the past week, but the doctor advises more rest. Everyone was delighted to see him.

Alex Siegel had the decorations at Schafer Bros.' opening of their new store, which was beautifully decorated with ferns, palms and wild smilax.

W. F.

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LADY TWEEDALE, who recently opened a flower show in Edinburgh, Scotland, frowns on the ambition of horticulturists seeking great size in flowers, and advocates that more time be given to the development of perfume. "Perfume," says her ladyship, "is an indication of the quality of a flower as the words and expressions of a woman's face are an indication of her refinement and her character."

Personal.

Announcements are out for the marriage, November 23, of P. J. Lynch, West Grove, Pa., and Miss Caroline Forkner, daughter of Judge Forkner, New Castle, Ind.

THE parks in most of the large cities, the experiment stations and many private places are making displays of their chrysanthemums, opening their houses to the public, and in many cases installing electric lights that they may hold the exhibitions open during the evenings.

The Glass Situation.

There was a decided break in the price of glass last week, made by the manufacturers for stock on hand, but no futures were offered. These prices were withdrawn toward the end of the week. An advanced price was announced November 8 and withdrawn almost as soon as issued. It is said that the supply of cheap greenhouse glass was exhausted within two or three days of the time the low price was made and it is probable new prices will be announced this week. The present outlook indicates that the new prices will be higher, not so high as those that ruled during the past few months, but considerably higher than the low prices two or three years ago. Intending purchasers should place their inquiries early, however, so as to secure the advantage of any low prices that may be made.

Chrysanthemum Society of America.

WORK OF EXAMINING COMMITTEES.

Cincinnati, O., October 29.—No. 13-09, white Japanese incurved, scored 77 points commercial scale, exhibited by Roepke & Rieman Co., Indianapolis, Ind. Elmer D. Smith & Co., Adrian, Mich., exhibited Dick Witterstaetter, crimson Japanese reflexed, scored 86 points commercial scale, 88 points exhibition scale; Minta, pale pink pompon, scored 82 points. E. G. Hill Co., Richmond, Ind., exhibited R. F. Felton, yellow Japanese incurved, scored 87 points commercial scale and 87 points exhibition scale; Golden Gem, yellow incurved, scored 89 points commercial scale.

Morristown, N. J., November 2.—Elmer D. Smith & Co., Adrian, exhibited the following varieties, which were examined by the committee: Lenox, yellow Japanese, scored 87 points exhibition scale; Tarrytown, pink Japanese, scored 69 points exhibition scale; Poughkeepsie, sulphur yellow Japanese incurved, scored 73 points exhibition scale.

New York, November 4.—Minta, blush pompon, scored 92 points, exhibited by Elmer D. Smith & Co., Adrian, Mich.

PRESIDENT SMITH'S ANNUAL ADDRESS.

Members of the Chrysanthemum Society of America:

Another year has passed and we are again assembled to consider ways and means for the betterment of our society. The membership is far too small when we consider the vast number interested in the Queen of Autumn. The desire to gain knowledge is apparent from the many inquiries showered upon those conversant with such topics, and yet we seem unable to bring these inquirers within our fold. We should have five hundred more enrolled as members of good standing. Will some one please suggest a plan to bring about this end? No florist who grows any quantity of chrysanthemums can afford to remain aloof. He owes this obligation to himself for the practical knowledge that may be

gained. At New York last year I suggested we consider the affiliation of this society with the Society of American Florists. I still believe it is our best course to take. We certainly have nothing to lose with the possibility of much to gain. I hope at this meeting the subject will be thoroughly discussed.

One change in the scale for judging exhibition blooms has been proposed, reducing the number of points allotted to size and adding same to color. If such a course meets your approval it should be remembered that size is quite an important factor in considering varieties which are suited for this purpose, and especially so if color or long necks prevent them from being considered from a commercial standpoint. If I were permitted to express my views I would say color is of equal importance to fullness, form and depth even from an exhibition point of view. Should you decide to make them equal the new scale would then be, color, 15; foliage, 5; fullness, 15; form, 15; depth, 15; stem, 5; size, 30.

The fine specimens displayed in the Exhibition Hall are positive proof there has been no retrogression, and it affords me great pleasure to know our course is upward and onward. Some ten years ago a worthy gentleman at one of the western shows in responding to his toast stated that the limit in size had been reached and it was folly to try to produce larger ones. I will leave it to you to decide the truth of this statement by bringing to mind those shown at that time in comparison with those before you today. As in the past there are still many possibilities. Soil that is still unturned and so it behooves us to keep our eyes to the front and strive for greater achievement.

This has been a very trying season in the development of chrysanthemums. In the middle west we had ten days in early March with the thermometer around the 80 mark and a cold April and May. Through June, July and August the weather was warm and air very dry with practically no precipitation during these months. October, the month for finishing, has been extremely warm for the buds to expand freely and many cases of burning have resulted therefrom. As near as I can learn these conditions have prevailed to a certain degree throughout the country so that many have suffered losing fine blooms. Hope is the anchor of the soul and so we must wish for better conditions another year.

Since our last meeting one of the world's most prominent originators has passed to the great beyond, M. Ernst Calvat of Grenoble, France. His products have been very popular both in England and America. While most novelties are soon cast aside and later products take their places, yet there are several originated by this worthy raiser which have gladdened the hearts of exhibitors and are today among the best for this purpose. I refer to such varieties as M. Loiseau-Rousseau, Pres. Viger, Mme. Carnot, S. A. Naceur-Bey, Chrysanthemiste Montigny and Pres. Loubet.

Before adjournment we should decide on the next meeting place, and I would suggest that our vice president be selected from the same city or immediate vicinity. I wish to thank

the press who have so kindly printed our notices and the members of the committees who have given their time regardless of other duties to be on hand to examine seedlings. I am assured these gentlemen are benefactors not only to this society but to the growers at large in pointing out such of the new creations as are best adapted to the various purposes.

In leaving the president's chair I have but one wish and that is this society may grow to be stronger in every particular so that its influence for good will be felt far and near. Thanking you for the many courtesies extended and wishing you one and all success, I bid you adieu.

Meetings Next Week.

Baltimore, Md., November 14, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Boston, Mass., November 15.—Gardeners' and Florists' Club of Boston, Horticultural hall.

Cleveland, O., November 14, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Geneva, Wis., November 19, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., November 13, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., November 17, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., November 16.—Newport Horticultural Society.

New York, November 14, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Pasadena, Calif., November 18, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., November 14, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Salt Lake City, Utah, November 15.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., November 18, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., November 15.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Springfield, O., November 14.—Springfield Florists' Club, office of the Good & Reese Co.

St. Paul, Minn., November 15, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., November 15, 8 p. m.—Toronto Gardeners' and Florists' Club, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address
Key 226, care American Florist.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Nov. 1.
Key 219, care American Florist.

Situation Wanted—By first-class decorator; also good salesman; state wages. Address
Key 235, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman. Do not answer unless you want an Al man. State wages.
Key 238, care American Florist.

Situation Wanted—As assistant gardener on private place; German, age 34, single; 16 years' experience. C. SPECHT, care C. F. Bertanzel, Florist, Roslyn, L. I., N. Y.

Situation Wanted—By first class designer, decorator and salesman, in Chicago; 14 years' experience; good references to show.
Key 218, care American Florist.

Situation Wanted—As foreman to take charge of commercial place in or near Chicago preferred; thoroughly qualified in all departments with highest references.
Key 232, care American Florist.

Situation Wanted—By December 1 as working foreman; German, married; 35 years old, with 21 years' experience in growing cut flowers and general stock; thoroughly sober and reliable; southern or middle state preferred. Address
CH. HAMMERMAN, Porter Vale, Ga.

Help Wanted—Two rose growers. Apply at greenhouses.
BASSETT & WASHBURN
Hinsdale, Ill.

Help Wanted—Girl for flower store in Chicago, evenings. Good wages. Address
Key 237, care American Florist.

Help Wanted—A man to grow vegetable plants and take care of a small greenhouse. Will pay \$40 per month.
A. A. ST. GERMAIN, Kankakee, Ill.

WANTED.

Assistant. Must be sober and a hustler; \$12.00 a week to start.

CHAS. A. DUERR, Newark, Ohio

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

FLORIST,

Salesman and high class maker-up; a man with thorough experience and the best of recommendation can find employment with a high class New York florist; wages to start, \$25.00 per week. Address Key 236, care American Florist.



Copyright 1910 by THE AMERICAN FLORIST CO.

WANTED

Bright young man with experience in a wholesale and retail Seed Business; one competent to put up bulk orders, also wait on counter trade. Address with particulars, giving experience and reference.

P. O. Box 1594, Philadelphia, Pa.

WANTED.

One of the best Dutch bulb growers, with large growers special in the best qualities of Hyacinths, Early and Darwin Tulips, wishes to secure a first-class agent in the United States of America and also in Canada on entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 230, care American Florist.

SUPERINTENDENT

A first-class man with life experience in all branches of work on a large General Estate is open for engagement Dec. 1. Have a thorough knowledge of every detail of the work on an Estate where the highest class products are required. Systematic and economical in management and highly recommended. Address

Key 234, care American Florist.

For Sale.

A well established florist and seed store; new clean stock of all kinds of seed; no opposition; busiest part of Berkeley; best part of the year commencing; attractive windows, artistic furniture and fittings, large space partitioned off into four rooms. This is no "get rich quick" proposition but a good honest living for anyone not afraid of work; low rent; price \$1500.

THE KENSINGTON FLORIST,
3310 Adeline St., So. Berkeley, Calif.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The larger size, one color, \$2.70.

Cash with order.

American Florist Co.

324 Dearborn St., CHICAGO.

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.			Per 100	Chrysanthemums, White and Yellow Eaton.	
Extra long specials		\$5 00	Richmond, fancy.		\$10 00	per doz. \$3 00 - \$4 00; Bonnafon, per doz.	
36 inch.		4 00	Long.		8 00	\$1 50 \$2 00 \$2 50; Medium White, per doz.	
30 inch.		3 00	Medium.		6 00	\$1 50 to \$2 00; Small, per 100, \$6 00 to \$8 00;	
24 inch.		2 50	Short.		\$3 00 to 4 00	Pompons, yellow, white, pink, 50c bunch	
18 inch.		2 00	My Maryland, fancy.		10 00	Orchids, Cattleyas	per doz., 6 00 to \$7 50
15 inch.		1 50	Long.		8 00		Per 100
Shorter... per 100, \$4 00. \$6 00. \$8 00			Medium.		6 00	Harrisii Lilies.	\$12 00
			Short.		3 00 to 4 00	Valley	3 00 to 4 00
Killarney, fancy.		\$10 00	White Killarney, fancy.		10 00	Violets	1 00
Long.		8 00	Long.		8 00	Plumous Sprays, Sprenger.	2 00 to 3 00
Medium.		6 00	Medium.		6 00	Plumous Strings, extra long.	
Short.		3 00 to 4 00	Short.		3 00 to 4 00	..... per string, 60c	
Cardinal, fancy.		10 00	Perle, long.		8 00	Smilax per dozen, \$1 50 to \$2 00	
Long.		8 00	Medium.		4 00 to 6 00	Galax	per 1000, 1 00
Medium.		6 00	Short.		2 00 to 3 00	Ferns, fine, com.	1 50
Short.		3 00 to 4 00	Carnations, fancy.		3 00 to 4 00	Boxwood	per bunch, 35
			common.		50 to 2 00	Adiantum Croweanum.	75 to 1 00

Extra Special Roses charged accordingly.

Subject to change without notice.

**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Chicago.

A week of exceedingly pleasant fall weather has been enjoyed by the trade. The nights have been cool and the days pleasant and the air sharp, the typical weather to make everyone feel good, and trade has felt the impetus that such weather produces. Chrysanthemums are still the flower of the market and can be procured in quantities in all grades and colors, although there has been a shortage of fine pink blooms on some days. The large and medium sized blooms have found a very good market and have sold well, but there have been too many of the smaller grades. The rose growers seemed to have timed their crop splendidly so far, for with the cooler weather the cut has shortened up considerably and there is no surplus at all, in fact some days there is a little hustling to fill orders. The roses that are coming to market are of superb quality, fine buds with nice long stems, and American Beauty is grand and of excellent color. Carnations are now in fine shape, but the supply is a little short and the call is increasing and it looks now as if there might be quite a shortage as soon as the chrysanthemums are through. Orchids are quite scarce, not many blooms being sent into the market, and are sold almost as soon as received. Sweet peas are in much better quality and the demand is fair. Violets are meeting with much better sale and the quality is improving very fast.

NOTES.

J. A. Budlong is cutting an exceptionally good grade of roses with White and Pink Killarney, American Beauty, Jardine and Maryland showing up remarkably well. The latter are of A-1 quality, the foliage, color and stem being all that can be desired, and a large quantity of these are disposed of daily. This firm extends a cordial invitation to all visiting florists to look over their large greenhouse plant while in the city.

At Wiator Bros. we noticed an exceptionally good quality of roses of all the leading varieties, with American Beauties and Richmonds showing up very good. The latter are mostly of a long and medium stemmed grade with an excellent foliage and color. Chrysanthemums of all leading varieties are among the daily arrivals and some extra large blooms of Timothy Eaton were very noticeable.



ORCHIDS A SPECIALTY.

I am now receiving daily shipments of Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidiums and other choice Orchids, Fancy Valley, Roses, Carnations, and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

J. A. Mendel, West Eighteenth street, was elected county commissioner on the democratic ticket and, according to late reports, was leading the ticket by a big margin. Mr. Mendel wishes to thank all for the liberal support given him at the polls November 8, especially N. J. Wiator, who spent the entire day working for his interests and who is as enthusiastic over his victory as he is himself.

Kennicott Bros. Co. is receiving an extra fine grade of chrysanthemums from George Bayer of Toledo, O. Happening to be in when a shipment arrived we were greatly impressed with the excellent way in which the blooms were packed and the fine condition of the stock after its arrival. Mrs. E. E. Piester is at Mudlavia receiving treatment for a severe case of rheumatism.

Chas. W. McKellar is receiving an extra fine grade of Cattleya labiata and other leading varieties of orchids. A large number of orders have been filled the past week for the different flower shows held throughout the country and we stopped for a minute

to admire the skillful manner in which the proprietor packed these beautiful flowers, preparing them for shipment.

Hoerber Bros. are cutting a large quantity of white, pink and yellow chrysanthemums in all leading varieties. Large shipments of roses are also among the daily arrivals and some Brides and White Killarney of exceptionally good quality were very noticeable. Business has been very good and the demand for carnations the past week was exceedingly heavy.

The Chicago Carnation Co. is cutting large quantities of carnations, with Victory, Conquest and Washington showing up remarkably well. The latter is a sport of Enchantress and is of a true Lawson color at all times. Manager Pyfer is well pleased with this carnation and large quantities of these magnificent blooms are disposed of daily.

E. H. Hunt is receiving large quantities of white, pink and yellow chrysanthemums of an exceptionally good quality. An extra fancy grade of carnations, roses, and all other seasonable stock is among the daily arrivals.

Heavy Supply of Roses - Carnations - 'Mums

Our stock is in exceptionally good condition, and if you want to please your customers you should place your order with us immediately for

Beauties, Maryland, Jardine, Richmond, and Pink and White Killarney Roses. They are sure to give satisfaction. None better in the market.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the New York or Hudson River Violets, but only at buyers' risk, owing to the reason that they are several days in transit before reaching Chicago.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Chrysanthemums. Pink, White and Yellow in large quantities. Chrysanthemums of the Pink variety have been scarce, but we are again cutting some choice blooms from the late sorts.

Plenty of other Seasonable Stock.



Visitors are cordially invited to inspect our plant and any Lincoln Avenue car will take you right to the door.

We
Strive
To
Please.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

A Large
Supply to
Meet all
Require-
ments.

Bassett & Washburn's shipments are very heavy and the stock is being forwarded to their customers as soon as received at the store. The chrysanthemums this fall have been of a very high grade and the varieties which they grow are selected in a very careful manner, so as to secure only those that will stand long shipments.

The Golden Eagle chrysanthemums which the J. B. Deamud Co. is receiving are grand flowers, with fine finish and are bringing top prices in the market. Stock of all kinds is arriving in elegant condition and a good steady supply of high grade stock is the outlook for the holidays.

The Geo. Wittbold Co., 737 Buckingham place, have on hand and are sending out some extra fine stock of Verschaffeltii, John Pfister and Annie Pfister coleus from two-inch pots. The latter is a beautiful curly red variety, while John Pfister is a beautiful curly yellow.

Poehlmann Bros. Co. is now cutting as handsome American Beauties as are often seen on the market. The stems are of extra length and the blooms of fine color. The lily of the valley grown by this firm is of the best quality and is constantly received at the store.

The Florists' Club bowling league gave a grand ball and reception at the Coliseum Annex Friday night, November 11, in honor of the visiting florists to the Flower Show. There was a large crowd present and all report having had a very good time.

H. Van Gelder is receiving daily extra large shipments of New York double violets for which he is filling a large number of orders. The violets are as fine a grade as are coming in the market, the stems are long, the flowers extra large and of good color.

J. M. Cochrane is enjoying a very busy season at his place of business at 548 West 119th street, and 10,000 feet of glass are devoted to the growing of cut flowers and other miscellaneous stock that is needed to successfully conduct a retail business.

Mrs. K. N. Cooper of the Auburndale Goldfish Co., 920 West Randolph street, extends a cordial invitation to all local and visiting florists and their friends to call and look over her goldfish, aquarium plants, castles, globes and other supplies.

Joseph Ziska of the Chicago Rose Co. has been laid up the past week with a severe attack of rheumatism. John has also been absent from the

store a greater portion of the past week, having been called upon to serve on a jury.

Vaughan & Sperry are the recipients of large quantities of splendid stock of all kinds. American Beauties of a high grade and of splendid color, foliage and stem are among the daily arrivals and are eagerly sought for by the trade.

At Zeck & Mann's we noticed large quantities of roses, chrysanthemums and carnations and all other seasonable stock. This firm is now offering an exceptionally good grade of Lily of the Valley, sweet peas and violets.

H. N. Bruns, 3040 Madison street, informs us that according to the latest reports from his growers abroad the Lily of the Valley pips that are now being imported will be the best that ever came into this country.

Sinner Bros. of the Flower Growers' Market are offering large quantities of white, pink and yellow chrysanthemums in all leading varieties.

At Kyle & Foerster's a large quantity of white, pink and yellow chrysanthemums were noticed of an exceptionally good quality.

O. Johnson of the Flower Growers' Market is handling a very good grade of American Beauty and Bride roses.

Clean Sweep at the Chicago Show

We Are Growers

Our Specialties Are:

Chrysanthemums
Beauties
Roses
Fancy Carnations

BUY DIRECT OF THE GROWERS
AND GET FRESH STOCK

PRICE LIST

IN EFFECT NOV. 21

AMERICAN BEAUTIES

Extra long	Per doz.	\$6.00
30 to 36 inches	Per doz.	\$5.00
18 to 24 inches	Per doz.	\$4.00 to 5.00
15 inches	Per doz.	3.00
12 inches	Per doz.	2.00
Short stems	Per 100	1.50
	Per 100	\$6.00 to \$8.00

Maids, Maryland, Richmond, Killarney, Brides,
White Killarney, Kaiserin, Rhea Reid

Extra select	Per 100	\$10.00
Good lengths	Per 100	8.00
Medium lengths	Per 100	\$5.00 to 6.00
Good short lengths	Per 100	3.00 to 4.00

CARNATIONS

Good, red, white and pink	Per 100	\$4.00
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CHRYSANTHEMUMS

Pink, white and yellow	Per doz.	\$2.00
HARRISII LILIES	per doz.	\$1.50
Lily of the Valley	per 100	12.00
Asparagus	per 100	\$3.00 to 4.00
Asparagus Sprays	per string.	.60
Sprig	per 100	\$3.00 to 4.00
Ferns	per 100	2.00 to 3.00
Smilax	per 1000	2.00
Adiantum	per doz.	1.50
Galax, Green	per 100	1.00
Bronze	per 100	1.00
Select Pink and White Sweet Peas	per 1000	1.25
	per 100	1.00

ROSES, Our Selection, \$3.00 per 100



First Prize 100 Beauties.

WE WERE WINNERS IN THE FOLLOWING:

CHRYSANTHEMUMS

Best Vase, 50 blooms, Timothy
Eaton.

Best Vase, 50 blooms, Dr. Enguehard
and four First Prizes for best
12 blooms of Chrysanthemums
of other colors.

ROSES

Best 100 American Beauty Roses.

Best 25 " " "

Best 100 any other variety of red
won with Rhea Reids.

Best 100 any other variety of white
won with Kaiserin.

Best 40 My Maryland.

Best 40 Brides.

Best 40 Bridesmaids.

Second Best 40 White Killarney.

The above entries were all
taken from our regular cut and
show superiority over all other
stock in the market. We are
now booking Thanksgiving or-
ders; send yours in early.

BASSETT & WASHBURN,

Office and Store, 76 Wabash Ave., CHICAGO.

Greenhouses, Hinsdale, Ill.

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable stock, such as 'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST

American Beauty		Per doz.	Killarney, fancy		Per 100	Gladliol, named varieties		Per 100
Long stem.....		\$3 00	" select.....		\$8 00 to \$10 00	in mixture.....		\$4 00 to \$6 00
30-inch stems.....		2 50	" medium.....		4 00 to 5 00	Carnations		1 50 to 2 00
24-inch stems.....		2 00	Bridesmaid		4 00 to 5 00	Valley		1 50 to 3 00
20-inch stems.....		1 50	Bride, fancy		8 00 to 10 00	Easter Lilies		3 00 to 4 00
15-inch stems.....		1 25	" medium.....		4 00 to 5 00	Sprengel		12 00 to 15 00
12-inch stems.....		1 00	My Maryland, select		8 00 to 10 00	per bunch.....		25c to 35c
Short stems.....		\$4 00 to \$6 00 per 100	" medium.....		4 00 to 5 00	Asparagus Plumosus		35c to 50c
		Per 100	Chatenay		5 00	extra quality per bunch.....		35c to 50c
			Ivory		5 00	Fancy Ferns, per 1000 ..		\$1 50
Richmond, fancy		\$8 00 to \$10 00	ROSES our selection.....		3 00	Chrysanthemums per doz.		1 50 to 3 00
" select.....		6 00	CATLEYA LABIATA , per doz.....		\$6 00	Wild Smilax per case.....		5 00
" medium.....		4 00 to 5 00				Violets.....		.50 to 1 00
Boxwood, 25 cents per pound 50 pound case, \$7.50.								

Boxwood, 25 cents per pound 50 pound case, \$7.50.

See Next Week's Issue for Thanksgiving Prices.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

CHRYSANTHEMUMS

WHITE YELLOW PINK

ROSES - CARNATIONS

OF ALL LEADING VARIETIES.

We can furnish them by the dozen, hundred, thousand. Send for our special price on large lots

Sweet Peas, Violets, Lily of the Valley

And all other seasonable stock that a florist may need. Our stock is arriving in excellent condition and in as good a grade as can be found in the market.

We are also handling large quantities of Greens of all kinds and have just received an extra large shipment. Send us your orders and we will see that it is filled to your satisfaction. Get your Thanksgiving Day orders in early.

ZECH & MANN, Room 218
51 Wabash Avenue, Chicago
Telephone Central 3284

Wm. F. Henning of Blue Island, reports business as brisk with plenty of funeral and wedding work. 3,000 feet of glass are devoted to the growing of cut flowers, bedding plants and other miscellaneous stock which at present is in fine condition.

J. Andrews of Andrews Bros.' is to be found constantly on the local market buying stock for their store at Cleveland, O.

Miss M. C. Gunterberg of the Flower Growers' Market is now offering some very good American Beauty roses.

The Lakeview Rose Gardens of Jamestown, N. Y., are sending some very fine chrysanthemums to this market.

John Risch of Wieland & Risch is still reported to be seriously ill.

Visitors.—W. S. Mudge and wife, Gasport, N. Y.; Mr. Raasch and wife, Kankakee; R. A. Smyth, Benton Harbor, Mich.; N. H. Long, Dixon; Mrs. C. Bond, Danville; J. E. Meinhart, Webb City, Mo.

Chicago Bowling,

The Orchids are still in the lead and have won twelve and lost six games. The Carnations are second, having won nine and lost an equal number. The Violets are third with eight won and ten lost. The Roses are last and have won seven and lost eleven games. The teams are all evenly matched, and

some very interesting contests take place every Wednesday evening. T. C. Yarnall has the highest individual average, with Allie Zech a close second. The following table shows the individual and team scores for games played November 2:

Violets.		Roses.	
Vaughan ..153	164 192	W. Wolf..137	166 155
Liebert'n ..117	169 115	E. Johnson176	176 216
Schiller ..144	134 141	J. Byers..170	174 118
Lorman ..162	151 155	J. Kruch'n154	153 103
Yarnall ..200	161 170	A. Fischer.168	178 131
Totals 776 779 773		Totals..805 837 723	
Carnations.		Orchids.	
Ayres ..134	149 128	Huebner ..157	139 135
Krauss ..137	103 171	Farley ....164	152 180
Goerisch ..110	101 142	Graff ....172	139 175
Schultz ..138	165 179	Denman ..137	152 161
A. Zech....158	161 195	Zech ....128	149 120
Totals..677 679 806		Totals...752 731 771	

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.
Store: 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Pittsburg.

The beginning of the past week found things in the flower line rather dull, but by Saturday night the wholesalers did not have a flower of any description on hand. It looks as though the beginning of the end is in sight with chrysanthemums, many of the late varieties now being in. This will cause no regret among the wholesalers, who claim there is no profit in them when cost of handling and boxes are taken into consideration. The wholesale growers also state that this season is one of the worst that they have experienced; to start with, the early chrysanthemums had to compete with very large quantities of out door stock, and the warm weather brought on the late varieties on top of the early ones. At present the medium sized Ivory that retails for a dollar a dozen is the most active. Carnations are in better demand, while violets and lily of the valley are very strong sellers. Paper white narcissus have made their appearance (another flower for which the wholesaler has not much love). American Beauties move out well for the chrysanthemum season.

NOTES.

At the last meeting of the Florists' and Gardeners' Club there was a magnificent exhibition of chrysanthemums by the Phipps Conservatories, Schenley Park and North Side, David Frazer, gardener for H. C. Frick, H. C. Totty, Madison, N. J., Pittsburg Cut Flower Co., and R. Wissenbaugh. Phipps Conservatories showed Col. D. Appleton; Wm. Duckham; Sunstone; Sulan; David Lyne, white; Rose Ellis, a new light pink; Ounda (new), May lemon color; W. Wood Mason, new red reverse bronze; Mrs. J. Wells, red, Bright-hurst; R. H. Bromhead, Winfred, yellow; Alice Lemon, (new); Pockets

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Nov. 9.			
Roses, Beauty, extra select...	3 50@	4 00	
" " specials.....		3 00	
" " 36 in.....		2 50	
" " 30 in.....		2 00	
" " 18 in.....		1 50	
" " 15 in.....		1 25	
" " Short.....	75@	1 00	
Per 100			
" Bride, Bridesmaid, select...	3 00@	8 00	
" " medium.....	2 00@	2 50	
" Killarney, select.....	3 00@	10 00	
" " medium and short.....	2 00@	2 50	
" Kaiserin.....	3 00@	10 00	
" Mrs. Jardine.....	3 00@	10 00	
" Chateaux.....	2 00@	10 00	
" My Maryland.....	2 00@	10 00	
" Perle.....	2 00@	10 00	
" Richmond.....	3 00@	10 00	
" Uncle John.....	3 00@	10 00	
" White Killarney, select.....	4 00@	10 00	
" " medium.....	2 00@	3 00	
Carnations.....	2 00@	3 00	
" fancy C. P.....		4 00	
Chrysanthemums...per doz.,	75@	4 00	
Cattleyas.....per doz.,		6 00	
Gardenias.....per doz.,	3 00@	4 00	
Dendrobium Formosum.....	5 00@	6 00	
Gladioli.....	3 00@	5 00	
Lilium Harrisii...per doz.,	2 00	10 00@12 00	
Lily of the Valley.....	2 00@	4 00	
Phalenopsis.....		12 00	
Sweet Peas.....	75@	1 00	
Violets.....	75@	1 00	
Adiantum.....per 100,	75@	1 50	
Asparagus Plum, strings, each,	60@	75	
" " sprays.....	3 00@	4 00	
" Sprenger.....	3 00@	4 00	
Boxwood.....		15 00	
Ferns.....per 1000,	1 50		
Leucothoe.....		75	
Mexican Ivy.....	75@	1 00	
Smilax.....	1 50@	2 00	
Wild Smilax.....per case,		5 00	

Crimson; F. S. Valis; Miss J. A. Miller, bronze; Mr. Jones, foreman, stated that W. Wood Mason was a favorite with him, as he found it a pleasing color and the easiest chrysanthemum to grow, always being healthy. The Pittsburg Cut Flower Co. showed commercial varieties. C. H. Totty sent in a fine collection of pompons, including Biddy, small pink; Little George; Mrs. Bassett, white; Matilda, red; Lilia Viola, Penelope and Jas. Boone. R. Wissenbaugh also showed a fine collection of pompons. A motion was passed to invite R. Vincent, White Marsh, Md., to visit us and exhibit his slides, taken during a recent trip abroad.

A new bell telephone was added to the equipment of the McCallum Co. This firm is handling a fine lot of cattleyas and American Beauties.

Mrs. J. Elicker, Homestead, purchased the contents of the chrysa-

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our price list regularly send for it.

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Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner RCUSE SIMONS, S.W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

themum houses of W. F. Frederick of that place.

Frank Faulk was on time when the hunting season opened, and is still thinking more of rabbits than of carnations.

G. & J. W. Ludwig say that they have to work overtime almost every day on account of heavy business.

The South View Floral Co. are cutting some very fine chrysanthemums and Madame Chatenay roses.

John Nichols, Scottsdale, and M. F. Ready, Donora, are both advertising their places for sale.

E. C. Ludwig is spending part of his time at his new farm in Butler Co.

J. J. Fuchs, the Southside Florist, is very busy with funeral work.

J. L. Giesey has opened a flower store in Wilkinsburg.

Chas. Erhardt, Allegheny Market, stated business is improving.

Visitors: C. A. Blaukensop, Washington; Miles Miller, Erie; P. R. DeMuth, Connelville, Pa. J.

Your Thanksgiving Day Order

Your mind is about made up what kind of flowers you will buy. There is decisive economy in buying good stock at such positive right prices as we offer. Place your order with us and we will make your Thanksgiving Day business satisfactory and profitable. Our price list mailed to you on request.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

50-lb. cases

Wild Smilax

50-lb. cases Wild Smilax, \$1.75 per case.

Direct from our shipping point, Pine Apple, Ala. When in need of excellent Wild Smilax, telegraph or write

Henry M. Robinson & Co.
PINE APPLE, ALA.

The above price is only direct from shipping point. Your orders will be filled at a moment's notice. Satisfaction guaranteed. If you once try us, you will always buy. To unknown customers, C. O. D. or cash with order.

SAMUEL F. LILLEY

WHOLESALE FLORIST

5 South Mole Street
(Near Broad Street Station)

PHILADELPHIA, PA.

A good market, good stock, and satisfaction guaranteed.

Philadelphia.

GREAT STORM.

While these was a considerable movement in stock during the past week, there was room for improvement in business. The great storm that swept the state dealt out a very generous portion of rain and snow to this city. November 3 and 4 were particularly bad days, and the shopping districts were not well patronized. Many good chrysanthemums are now seen. Dear Friend, a fine yellow, grown extensively at the Harris range, is popular in the stores, and the Col. D. Appletons and Major Bonnaffons are also seen. No fault can be found with the quality of stock and it is plentiful enough to keep the wholesalers hustling.

NOTES.

The Overbrook Gardens, Edward A. Stroud, proprietor, held its second annual chrysanthemum show November 4 and 5. It was at the spacious quarters of the Overbrook Golf Club, and in addition to the excellent quality of stock shown, much credit is due Mr. Stroud and his efficient manager, J. W. Prince, for their excellent arrangements. A great feature was the splendid display of pompons and singles. The club rooms were profusely decorated with southern smilax and autumn foliage, and the arrangements were all that could be desired. An orchestra furnished excellent music. Among the noteworthy pompons were yellow, Overbrook and Goldfinch; white, James Boon and Northumberland; bronze, Al-lentown and Henrietta. Fine singles

Wholesale Flower Markets

PHILADELPHIA, Nov. 9.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" " first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz.,	2 00@3 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch,	50	
Smilax.....	15 00@20 00	

PITTSBURG, Nov. 9.		Per 100
Roses, Beauty, special.....	12 00@15 00	
" " extra.....	8 00@12 00	
" " No. 1.....	4 00@ 6 00	
" " Bride, Bridesmaid.....	1 00@ 6 00	
" " Chateaux.....	1 00@ 6 00	
" " Killarney.....	1 00@ 6 00	
" " My Maryland.....	1 00@ 6 00	
" " Richmond.....	1 00@ 6 00	
Carnations.....	1 00@ 3 00	
Chrysanthemums.....	3 00@15 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Oncidiums.....per doz.,	3 00@ 5 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprenger, per bunch,	50	
" strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	
Cattleyas.....	60 00	

were, pink, Mary Colladay; white, Nippon; yellow, Mikado and King Midas.

A recent visit to the range of W. K. Harris showed not only a wealth of fine chrysanthemums, but likewise a great stock of the staple pot plants for which this range is noted. They have put in a large and fine stock of azaleas. Another feature is their large gardenia plants grown in pots.

John W. McIntyre has, since October 2, when he received his first shipment of lilacs, been growing more active in that line. He is only receiving a limited quantity at present, but expects in a short time to be able to fill all orders. He states that the quality will be the best grown and that he will handle more lilacs than anybody in the country.

N. B. Gachor, who for over twenty years kept the flower store in the Broad Street Station, has opened a nice store at 110 South Sixteenth street. The location is a good one, and as Mr. Gachor thoroughly understands his business he will doubtless be successful.

Cleveland.

BUSINESS IMPROVED.

Business the past week has been very much improved. The outside stock being done for, the demand for chrysanthemums and carnations is much better. Roses are very plentiful, with only a fair demand. A few sweet peas are coming in of good quality. Violets are having a good call. Lily of the valley and orchids are in fair demand, and smilax is plentiful.

NOTES.

Ed. A. Wilhelmy was passing around a box of good cigars Saturday, the occasion being the arrival of a five-pound baby girl at the Wilhelmy home November 2. Both mother and baby are doing finely.

McCALLUM CO.

We are strong on
Good Beauties
and 'Mums.

Dagger Ferns, \$1.25 per 1000
Fancy Ferns, \$1.50 per 1000

Pittsburg :: Pa.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh St., PITTSBURGH, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

John W. McIntyre

WHOLESALE FLORIST.

Chrysanthemums, all colors.

1601 Ranstead St., PHILADELPHIA, PA.

Cleveland Cut Flower Co. had one of their large front plate glass windows broken, some fowdies having hurled a brick through it during the night.

F. W. Ziechman is in the hospital, ill with appendicitis.

The growers for the Lamborn Floral Co., of Alliance, Ohio, bowled the Cleveland Florist Club bowling team Saturday night, November 5, the Cleveland team winning the series. The score is as follows:

Cleveland—		Alliance—	
B. Hart	142 231 ...	Smith...	144 136 170
Kruzen...	126 126	Jacobs...	126 135 147
Russell...	125 155 145	Bowd'ch	142 162 166
Roz'n'ky	108 164 100	Shrimp...	118 105 126
G. Bate...	133 144 102	East'w'd	102 178 113
Gy. Bate	151 194 193	Bingh'm	169 134 172
H. Bate...	138 176 118	Knoble...	144 176 191
Friedley	181 181 178		
Totals	978 1245 964	Totals	945 1026 1085

C. F. B.

LOWELL, MASS.—Frank P. Putnam is building two large greenhouses on the farm which he has recently bought in North Tewksbury. It is understood that they will be devoted to raising flowers for market.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

MARKET IMPROVING.

The general conditions of the market show improvement but chrysanthemums, carnations and roses are all selling at low prices.

NOTES.

The figures of the Doyle failure have grown to \$57,000. The proposition made by Mr. Doyle to settle for 20 cents on the dollar was not accepted by the committee who will meet November 16 and make their recommendations. The feeling toward Mr. Doyle is very friendly and it is thought he will be able to continue the business.

At the next meeting of the Gardeners' and Florists' Club, November 15, Michael Barrett will be the lecturer, his subject being, "Bees as an Aid to Horticulture." The annual nomination of officers for 1911 will be made.

The schedule committee of the National Flower Show will meet in Boston next week to arrange for the cut flower schedule. Stickers for the great show will be ready for anyone who may wish them in a short time.

Andrew Christiansen is welcomed back from his two months' trip to Germany, Denmark, Sweden, France and England, which he thoroughly enjoyed. He reports finding things at home every way satisfactory.

The schedule of prizes for the mid-winter flower show of the Massachusetts Horticultural Society is out. The date is February 24-26. The usual liberal prizes are offered for plants, flowers and vegetables.

Two new retail stores on Boylston street; Quint & Weis opened two weeks ago, and James Petros, formerly with Casey, on Clarendon street, will open a store in the Y. M. C. A. building.

Malcolm Orr of North Saugus is shipping his sweet peas and W. C. Ward of East Milton his pansies to New York where they get better prices than in this market.

The directors of the Co-operative Flower Market elected Norris F. Comley, president; John McFarland, clerk, and Donald Carmichael, treasurer.

A. Arronson, the Crawford House florist, was married November 3. A delegation from the flower market attended the wedding.

H. W. Vose, Hyde Park, was the earliest to bring in Paper White narcissus.

A visit to the supply department of all of the wholesalers indicates a big trade. W. T. H.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Nov. 9.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@15 00	
" " culls	2 00@ 4 00	
" " Bride, Bridesmaid	1 00@ 4 00	
" " Extra	5 00@ 8 00	
" " Killarney and Richmond	1 00@ 6 00	
" " My Maryland	1 00@ 8 00	
" " Carnot	2 00@ 8 00	
Carnations, select	1 00@ 2 00	
" " fancy	2 00@ 3 00	
Callas	8 00@10 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@25 00	
Gardenias	16 00@25 00	
Lilium Longiflorum	6 00@ 8 00	
Lily of the Valley	2 00@ 4 00	
Violets	50@ 75	
Smilax	12 00@16 00	

ST. LOUIS, Nov. 9.		
Roses, Beauty, long stems	15 00@20 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@ 4 00	
" " Bride, Bridesmaid	2 00@ 5 00	
" " Killarney	3 00@ 5 00	
" " My Maryland	3 00@ 5 00	
" " Richmond	3 00@ 4 00	
Carnations	1 50@ 2 00	
" " fancy	2 50	
Easter Lilies	10 00@12 50	
Adiantum	1 00	
Asparagus Sprenger	2 00@ 3 00	
Smilax	12 50@15 00	

CINCINNATI, Nov. 9.		
Roses, Beauty	1 00@ 3 00	
" " Bride, Bridesmaid	2 00@ 6 00	
" " Golden Gate	2 00@ 6 00	
" " Killarney	2 00@ 6 00	
" " Richmond	2 00@ 6 00	
" " Pres. Taft	3 00@ 8 00	
Carnations	1 00@ 3 00	
Callas	10 00	
Chrysanthemums	4 00@25 00	
Daisies	50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@ 4 00	
Adiantum	1 00@ 1 50	
Asparagus Sprenger, per bch.	25	
Smilax	12 50@15 00	

MILWAUKEE, Nov. 9.		
Roses, Beauty, per doz.	75@ 4 00	
" " Bride, Bridesmaid	3 00@ 6 00	
" " Killarney	3 00@ 8 00	
" " Richmond	3 00@ 8 00	
" " Perle	3 00@ 6 00	
Carnations	1 50@ 3 00	
Lilium Gigantum, per doz.	1 50	
Lily of the Valley	3 00@ 4 00	
Magnolia	35	
Mums, per doz.	75@ 3 00	
" " Single and Anemone varieties	per bunch, 35@ 50	
Snapdragon	2 00@ 4 00	
Adiantum	1 50	
Asparagus	50@60	
" " Plumosus, per bunch	35@50	
" " Sprenger	35	
Ferns, Fancy	per 1000, 1 50	
Galax	per 1000, 1 50	20
Smilax	per doz., 1 50	
Violets	75@ 1 00	

Buffalo.

Stock is improving and the larger chrysanthemums are now coming in. There were several weddings and receptions that kept the stores busy. Stock was by no means scarce in the stores owing to the show, as those in charge of the show were kept busy and could not give their time to the stores.

NOTES.

Another flower store is about to be opened by John Kramer on Main

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES:

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames.

All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping.

and Everything in the Green Line

—LOWEST PRICES IN THE CITY.—

street, near Utica, in a growing part of Buffalo. Miss Gertrude Sauer, who has been with S. A. Anderson, will have immediate charge of the store. Miss Sauer is well qualified for the position.

The Buffalo Show was honored by a visit from our brother florists of Rochester, who were having their exhibit at the same time, but stole away to see Buffalo.

BISON.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Mechan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

New York.

SUPPLY PLENTIFUL.

Several days of wet and stormy weather had created a rather demoralized condition in cut flower circles; in fact, trade was at an extremely low ebb, until the bright sunshine of Saturday morning last came and seemingly put new life and vim into the business. The market is plentifully supplied with everything in the cut flower line, with the possible exception of cattleyas. These are quite scarce, and it is only very favored customers that are enabled to secure a few to fill their wants. Roses of all grades and varieties are available, and of excellent quality. Prices for special grade stock on both American Beauties and the "Teas" are reasonably firm, but in the number one and two grades more elasticity is evident, the quantity required being a prime factor in regulating the price. Carnations are running fairly well, indeed, considering we are in the midst of the chrysanthemum crop, the prices obtained are satisfactory all around. Those in a position to know say that the chrysanthemum crop this year is larger than ever before. Many of the old standard varieties are still at the head of the procession and cannot be equaled as money-makers for the commercial growers. Lilies and lily of the valley are in constant daily supply; no more seasons for these specialties, they are available every day in the year. Violets have been very erratic; that is, the demand for them. Prices are improving a little now, however, and from now on we should see a little better tone to the violet question. It has not been on account of the quality of the flowers that the demand has hitherto been so meagre, but rather from the fact there has been so much other material on the market and that the social season has not yet got into full swing.

NOTES.

On account of the strike of the express drivers and their helpers, the wholesale men are experiencing quite a little difficulty in getting consignments from the growers delivered to them. The strike was inaugurated about two weeks ago. At the present time the chief point at issue seems to be the question of recognition of the union. The express companies profess a willingness to take the men back and adjust the wage scale afterward, but want to treat with the men individually, a mode of procedure which the strikers are firmly opposed to. Some express wagons are running, however, under protection of mounted police, and driven by strike-breakers, but what the ultimate outcome will be, or how much inconvenience the general public will yet have to bear before a satisfactory arrangement of the trouble can be reached, remains to be seen. It certainly does not look very promising at the present time.

The November meeting of the New York Florists' Club will be held on Monday, November 14, in the club's rooms, Grand Opera House Building, Twenty-third street and Eighth avenue. Chairman W. F. Sheridan of the Essay Committee, has secured Mr. J. T. Withers to give his celebrated lecture, "A Trip Around the World," illustrated with stereopticon views. Many of the club members will remember the very charming illustrated talk on Forest Trees that Mr. Withers gave a few years ago and will be glad to hear him

The Opening of the Season Finds Us Better Prepared Than Ever To Do a Strictly First Class Commission Business

We have made a large addition to our salesroom and selling space, therefore we are in better shape to handle all shipments to good advantage. This has been our banner year, but we expect to do a lot of record smashing in 1910

MOORE, HENTZ & NASH

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th St. NEW YORK

Telephone No. 756 Madison Square

A Blessing to the Retail Florists

From the House That Cuts Prices on Best Quality Stock

Violet and Green Tin Foil, best quality. 17c per lb.
Plain Foil..... 9c per lb.
Imported Magnolia Leaves.... \$2.00 per hamper
Boxwood Sprays, very best quality ...15c per lb.

Best quality **Wild Smilax**\$6.00 per 50-lb. case
Immo'telles 14c per bunch
13c per bunch in case lots, 125 bunches in case

It will pay you to buy from us, as you will save money on every article you buy.

HENRY M. ROBINSON & CO.

Manufacturers and Importers of Florists' Supplies, Dealers in Hardy Cut Evergreens.

TRY US.
WE NEVER DISAPPOINT.

15 Province St.,
9 & 15 Chapman Pl., Boston, Mass.

again. The Nominating Committee will report at this meeting (an event always interesting), and we are also informed that it will be a "Ladies' Night," with Chairman John B. Nugent in charge of the cuisine. A large and enjoyable meeting is assured.

Owing to November 8 being election day, Wm. Elliott & Sons held their regular auction sale of plants on November 9. On November 11 they held their first sale for the season of conifers, roses and rhododendrons, and will continue to sell under the hammer this class of stock twice a week until the end of the season.

Owing to extremely wet weather in the Lowlands, in Germany, it is believed that high grade Lily of the Valley pips will advance materially in price next season; azaleas also, it is believed, will cost more.

According to a recent cablegram from Japan to Ralph M. Ward & Co., 12 W. Broadway, the price of Lillium giganteum bulbs will advance about ten per cent. This, of course, refers to the crop of 1911.

Frank McMahon, the enterprising rose grower of Seabright, N. J., will

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Consignments Solicited.

bring his own teams to the city in order to ensure delivery of his flowers from the ferry to the wholesaler.

The Macniff Horticultural Co. feel much pleased over the success that has attended their efforts since opening their plant auction rooms in September last.

A meeting of the board of directors of the New York Cut Flower Exchange was held in their offices, 26 Jackson avenue, Long Island City, on Saturday, the 5th inst.

Charles Miller, head salesman for W. F. Sheridan, has resumed work after a rather severe illness.

Miss Behan, formerly bookkeeper for John Young, is now with Henshaw & Fenrich.

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 To out-of-town florists
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 And give special attention to steamer and Theater orders. Prompt
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Roses, Beauty, special.....	15 00@25 00
" " extra and fancy.....	5 00@10 00
" " No. 1 and No. 2.....	3 00@ 4 00
" Bride, Bridesmaid, special. 4 00@ 5 00	
" extra and fancy.....	3 00@ 4 00
" No. 1 and No. 2.....	75@ 2 00
" Killarney, special.....	4 00@ 5 00
" extra and fancy.....	3 00@ 4 00
" No. 1 and No. 2.....	75@ 2 00
Carnations.....	1 00@ 3 00
Chrysanthemums..... per doz.	75@ 3 00
Cattleyas.....	20 00@40 00
Gardenias..... per doz.	\$1 50@ 3 00
Lilium Longiflorum.....	5 00@ 6 00
Lily of the Valley.....	3 00@ 4 00
Violets.....	40@ 60

BUFFALO, Nov. 9.

Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	4 00@ 8 00
" Bride, Maid, Killarney.....	2 00@ 4 00
" Kaiserin.....	4 00@ 8 00
" Pres. Carnot.....	4 00@ 8 00
Carnations.....	1 00@ 3 00
Chrysanthemums.....	6 00@20 00
Pompons, per bunch.....	25@ 35
Lilium Longiflorum.....	8 00@12 00
Lilium Speciosum.....	3 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	1 50
Smilax.....	15 00
Violets.....	60@ 75

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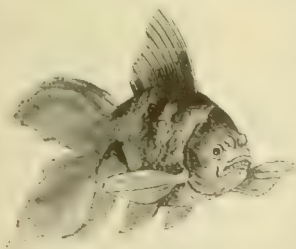
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4 Dozen Aquarium Castles, sell at 10c
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4 Dozen Instruction Sheets, how to care for goldfish; ½-gallon Pebbles; One Dip Net; One hundred Goldfish, 10c each.

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Special prices on lots of 100,000 and up.
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**The Cleveland Cut
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With all your orders for designs and cut flowers to
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Orders will be well cared for anywhere in
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Canada's best known and most reliable florist

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Will take proper
care of your orders in
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VISITED CHICAGO.—A. Emerich, representing Vilmorin-Andrieux & Co., Paris, France.

HOLLY in the choice grades will be a short crop. Reports from eight shipping points verify this. Few berries are the rule.

CHICAGO.—Prices on the board of trade November 9 for grass seed were noted as follows: Timothy, \$8 to \$9.25 per 100 pounds. White clover, from \$22 to \$28.

BOUQUET GREEN will be scarce; some snow has fallen in the Wisconsin woods and unless the weather warms up the output will not be over 50 per cent, if that.

ONION SETS at Chicago are now mostly under cover. The weather has been favorable for field storage and for shipping. Prices are favorable now for the buyer.

J. C. VAUGHAN, in his candidacy against James R. Mann, lost out by about 1,600 votes, reducing the latter's majority from 17,600 two years ago, the second probably being the strongest republican district in the state.

HOUSTON, TEX.—The Reichart and Schulte company, known all over the south as "The Texas Seed Store," has moved into its new building, 206-208 Milam street. They occupy three floors with a frontage of 50 feet and a depth of 100 feet.

BALTIMORE, MD.—There is a new seed house opened here, the style of the concern being The Meyer-Stisser Company, and the location 32 Light street. The principals have been long in the trade and their situation is right in the midst of the seed and implement houses, the street having been largely dedicated to that line for so many years that the memory of old men runs not to the contrary. There is abundant room for the new entrant and if "competition makes trade" it will find its fair share of business.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE,

CALIF.

Pape & Bergmann's Novelties for 1911.

In the list of novelties for 1911 offered by Pape & Bergmann of Quedlinburg, Germany, the following should prove of interest to plant growers:

Ageratum nanum compactum, Rotkappchen.—This is the first dwarf ageratum with pink flowers, which fills a long felt want in the way of a dwarf pink border plant and for carpet bedding. This originated from Bluestar, forms dwarf compact bushes covered with flowers throughout the entire season and also blooms very uniformly. The color is pale pink showing a dark center when opening.

Antirrhinum nanum grandiflorum, Montblanc.—A large flowering, pure



A. T. Ferrill, Saginaw, Mich.

Manufacturer of Seed Cleaning Machinery.

white variety of the half-tall snap dragon, very free blooming, much more so than the old type, Nanum Elbium. The spikes are produced early in the season and very profusely, absolutely pure white and are therefore extremely valuable for cut flowers.

Chrysanthemum, new single early flowering hybrids.—This is an entirely new rose which will bloom in July and continue until fall. Seed sown in February or March and pricked off as soon as strong enough and planted out in the garden the beginning of May, will start to bloom in July. For florists

it is advisable to plant in the open and pot as soon as they show buds and they will make beautiful pot plants. This type is offered in separate colors.

Mignonette, Giant Machet.—A valuable improvement with extra long and thick flower spikes. Color is the same as Machet but the plants grow somewhat taller and branch out more.

Catalogues Received.

J. M. Thorburn & Co., New York, bulbs for fall planting; **Weeber & Don,** New York, autumn list of bulbs, roots and seeds; **Fottler, Fiske, Rawson Co.,** Boston, Mass., autumn list of bulbs and plants; **Vaughan's Seed Store,** Chicago and New York, fall 1910 book for florists and list of autumn bulbs; **Wm. Elliott & Sons,** New York, flowering bulbs and trade list of bulbs and seeds for fall planting; **Geo. Wittbold Co.,** Chicago, wholesale list of trees, shrubs and perennials; **J. S. Wilson Floral Co.,** Des Moines, Ia., bulbs, etc., for fall planting; **Leedle Floral Co.,** Springfield, O., roses; **Ellwanger & Barry,** Rochester, N. Y., select peonies, phloxes and irises for fall planting; **Mrs. S. L. Pattison,** Mesilla Park, N. Mex., cacti; **Henry F. Michell Co.,** Philadelphia, Pa., bulbs; **Conard & Jones Co.,** West Grove, Pa., floral guide for autumn 1910; **Peter Henderson & Co.,** New York, wheats, grasses, etc., for fall sowing and autumn list of bulbs, etc.; **Winterson's Seed Store,** Chicago, garden guide, autumn 1910; **Wild Bros. Nursery Co.,** Sarcodie, Mo., fall list of peonies, irises, herbaceous plants and bulbs; **W. W. Barnard Co.,** Chicago, wholesale list of seeds, bulbs and supplies for autumn; **Frank E. Rue,** Peoria, Ill., autumn list seeds, bulbs, etc.; **Eastern Nurseries,** Jamaica Plain, Mass., autumn list of nursery stock; **T. R. Watson,** Plymouth, Mass., trade list for fall 1910; **State Nursery Co.,** Helena, Mont., fall list of bulbs and plants for Montanians; **Hardy Phlox Garden,** Binghamton, N. Y., phlox; **Chas. P. Mueller,** Wichita, Kans., price list of cut flowers; **Leesley Bros. Nurseries,** Chicago, wholesale list for fall 1910; **Geo. S. Josselyn,** Fredonia, N. Y., wholesale list of grape vines, small fruits, etc., for fall 1910; **F. W. Kelsey Nursery Co.,** New York, trees, shrubs and hardy plants.

Jaes Smits & Co., Naarden, Holland, wholesale list of nursery stock; **Perry's Hardy Plant Farm,** Enfield, England, list of bulbs and tubers for autumn 1910, list of delphiniums and supplementary list of iris; **Vilmorin-Andrieux et cie,** Paris, France, bulbs and seeds; **W. Mauger & Sons,** Guernsey, C. I., wholesale list of bulbs; **M. Koster & Sons,** Boskoop, Holland, wholesale list of nursery stock; **James Sons,** Ussy, France, wholesale list of nursery stock; **V. Lemoine et Fils,** Nancy, France, gladioli, etc.; **Victor Detriche & Co.,** Angers, France, wholesale list of plants; **A. M. Jacobsen,** Hamburg, Germany, florists' supplies.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.





Salvia Seed

FOR SEEDSMEN

I have a small surplus of my own growing at
"Floracraft Gardens," as follows:

Salvia Splendens \$0.75 per oz.; \$ 9.00 per lb.
" Clara Bedman or Bonfire \$1.60 per oz.; \$16.00 per lb.
All 1910 crop.

STOKES' SEED STORE, 219 Market Street, PHILADELPHIA, PA.

Mention the American Florist when writing

Lilies of the Valley

Brun's Celebrated
Chicago Market Brand

Finest Valley for Xmas Forcing.

\$15.00 per 1000; \$1.75 per 100. (Cold Storage Valley sold out)

H. N. BRUNS, 3040 Madison St., Chicago

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼ oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

REAL BARGAINS

White Kafir Corn, \$1.50	Per 100 lbs.	Yellow Bird Millet, \$1.75	Per 100 lbs.
Fancy Hemp Seed, 2.75		Bird Vetches, 2.25	
Sicily Canary Seed, 2.62		Red Bird Millet, 2.25	
German Bird Rape, 3.50		Canada Field Peas, \$1.50 per bushel	

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLGIANO & SON**, Importers and Wholesalers, Baltimore, Md. Established for 92 years.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm, **Bristol, Pa.**

MANN'S

Lilly of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

BULBS For good flowers buy good bulbs. Note the Prices.

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock	\$ 8.00
Empress, Double Von Sion or Princeps	10.00
Emperor	12.00
Stella, Figaro, Cynosure	2.00
Grand Monarque	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

If your business demands a good article in Lily Bulbs you cannot do better than to buy **Horse-shoe Brand** Bulbs. They are produced by the best growers in Japan, and are positively the cream of the crop. Selected carefully, graded and packed by experienced Japanese, registered and sent to this market for those who are particular what kind they buy.

Our prices for November are as follows:

FORMOSAS

6x8-inch, \$20.00 per case of 400 bulbs.	
7x9 " 21 00 " 280 "	
8x10 " 21.60 " 240 "	
9x10 " 21.00 " 200 "	

MULTIFLORUM

7x9-inch, \$16 50 per case of 300 bulbs.	
8x10 " 16.25 " 250 "	
9x10 " 17.00 " 200 "	

GIGANTEUM

6x8-inch, \$20.00 per case of 400 bulbs.	
7x8 " 22.75 " 350 "	
7x9 " 22.50 " 300 "	
8x10 " 25.00 " 250 "	
9x10 " 22.00 " 200 "	
9x11 " 21 50 " 180 "	

F.o.b New York, Cincinnati or Chicago. You may have 5 per cent for cash with order during November only. Order now for delivery from Cold Storage during 1911.

A catalog free.



Ralph M. Ward & Company

"Not How Cheap—But How Good." 12 WEST BROADWAY, NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

The Pollinization of Forced Tomatoes.

A very interesting and researchful paper of the above title was read before the Market Gardeners' convention at Grand Rapids, Mich., by Prof. O. I. Gregg of the Michigan Agricultural College. The first portion deals with the construction of the tomato's flower, which was illustrated with a chart and after describing the several organs and their part in pollinization states: "The number of pollen grains germinating, determine the number of seeds in the fruit up to the limit that the ovary contains ovules. To explain: If six pollen grains germinate, there would be very likely, a similar number of seeds form but no more. On the other hand, if a large amount of pollen grains were applied, there might be more than enough pollen grains germinate to unite with the number of ovules in the ovary. In the first instance the resulting tomato would be small, containing but a few seeds. In fact, it has been shown that by placing one pollen grain on the stigma, but one seed would form in the fruit, the fruit being seldom over an inch in diameter and very solid and meaty. The tomato resulting from a few pollen grains is also very slow in beginning to grow and takes a longer time to mature, as a large amount of pollen seems to be a stimulant in starting growth. It sometimes happens that a good sized tomato forms containing no seeds and it has been shown by experiments, that they may form without pollination or simply by an irritation of the pistil by some foreign substance as fine dust, magnesium sulphate or similar substances. These cases, however, are very rare and not of practical value. Experimenters have also shown that if a plant has several well pollinated fruits, these fruits will enlarge and take a larger proportion of food than those containing but a few seeds, but if slightly pollinated fruits are alone on the plant, they often grow to as large a size as well pollinated fruits. On the other hand, the one having plenty of pollen on the stigma would cause a large number of seeds to form, resulting in a larger tomato containing 250 seeds or more. In pollinating, it is best to apply plenty of pollen even though all of it is not necessary as larger, better and more uniform fruit results. It is also necessary to have the pollen applied at very nearly the right time. If pollen is applied before the pistil is mature, the stigma is liable to be injured and even though it remains on until the pistil matures, poorer fruit is liable to result or it may blight after it sets. The correct time to pollinate is when the flower becomes mature and the petals or flowers are fully expanded and the stamens turned slightly back, leaving the stigmatic surface exposed. The stigma becomes slightly moist and sticky at this time and may remain several days in this stage before falling, but the ovary begins to enlarge very soon after the pollen is applied. It is not necessary to pollinate a flower more than once. It is better to wait until the flower is fully developed before pollinating, then do a thorough job once than to pollinate all of the flowers on each truss each time the

tomato plants are gone over, whether fully developed or not.

With greenhouse tomatoes especially, many irregular, lopsided fruits occur. This is due to an irregular pistil or poor pollination. With some varieties like the Lorillard, the first flower on each truss that develops is very liable to be large, flat and faciated which if pollinated, makes a very large and irregular fruit. This can be obviated by pinching these off as soon as they develop. Other varieties like the Frogmore seldom have distorted pistils, but lop-sided fruit sometimes occurs by insufficient pollination or pollen not being evenly applied. It has been demonstrated that if pollen is applied on one side of the stigma only, seeds will form in the cell in the ovary on the side of the ovary corresponding to the side of the stigma pollinated. This causes one cell to become greatly enlarged, these forming two-thirds of the tomato causes the fruit to be one sided.

A word concerning cross pollinization. By this is meant the pollinating of one variety of tomato with pollen from some other variety. Quite an extensive experiment was carried on in the college greenhouses, a few years ago, to see if larger or better fruits were obtained by cross pollinating varieties than by pollinating the same varieties with their own pollen and in all cases, four varieties being tested, the experiments showed that there was no benefit in cross pollination. The varieties were Lorillard, Sterling Castle, Frogmore and Best of All. This showed that it was not necessary to grow more than one variety of tomatoes in a house, but that no harm is done if more than one variety is grown.

PRACTICAL METHODS OF POLLINATION.

There are several methods by which greenhouse tomatoes are pollinated, namely: with a spoon, glass slide, camel's hair brush and jarring the support. All are successful. Where a spoon is used, it is placed beneath the flower and the flower tapped into the spoon with a small stick or with the hand. In this case pollen is generally shaken from the flowers at the same time that the pistil is being pollinated as it touches the pollen already in the spoon. This method is sure but rather slow as compared with jarring the support. Pollinating by using a glass slide differs but little from the spoon. It is not always necessary to tap the flower from above but the flower may be tapped from below sufficiently to cause the pollen to drop but at the same time, pollinating the pistil. The camel's hair brush does not seem as practical a method with the tomato as with the spoon as the pollen is not easily liberated except by jarring, although it is very successful with the cucumber which has its pollen on the outside. The brush is not as apt to injure the pistil, is rapid but not as sure as the spoon.

In pollinating by jarring the support, a person is not as sure to get good results, this is especially true in the cloudy dull days in winter, but later in the year very satisfactory results may be obtained by simply hitting the support sharply two or three times with a stick or a padded stick preferred, if the plant itself is struck.

With any method of pollinating, it should be done when the plant is dry and in the middle of the day is the best time after the water has evaporated, leaving the air dry and warm. Pollinating once every two days or three times a week is sufficient and if the weather is extremely dull for a long period, a much longer period may intervene between the times the pollinating is done.

SYNOPSIS.

As the tomato belongs to a group of plants which are ill-smelling and have

no nectar in the flowers, but few insects work upon them to aid in pollinating them, for this reason, the tomato when forced in the greenhouse must be grown when the weather is more or less dull and with no winds to drive the pollen, artificial pollination must be resorted to.

The practical methods in use is by aid of a spoon, camel's hair brush or by tapping the support; the latter method being the quickest but not always sure in dull weather. Pollinate when possible, in the bright sunshine while the atmosphere is dry and temperature is high, as the pollen is given up best under these conditions. Pollinate thoroughly and do not touch flowers that are immature but simply those which are mature as premature pollination causes the fruit to drop or become small. Pollinate thoroughly that plenty of pollen may adhere to the stigma, as the size of the fruit depends almost entirely upon the number of seeds in the fruit and one pollen grain must germinate to unite with each ovule. Besides a fruit resulting from a well pollinated pistil, matures quicker than one from a few pollen grains. Irregular fruits are generally caused by irregular pistils and poor pollination, as an irregular, flat pistil causes a similar shaped fruit and pollinating on one side of the stigma causes one sided fruit with seeds on the same side as that on which the pollen was placed in the stigma.



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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

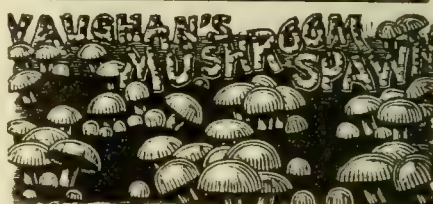
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VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession...	\$.20	\$1.00
Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball...	.20	1.00
Parsley .....	.30	1.25

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
selected specimens } 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks. \$ 3.50
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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

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I **BEG TO ANNOUNCE** to the seed trade that **Mr. Fred. H. Hunter** will soon leave California for the East on a general contracting trip of California Seed. He will be prepared to quote the lowest possible prices, quality considered, on the product of my four great ranches.

Wholesale Grower,
Onion
Lettuce
Sweet Peas
Radish

WALDO ROHNERT,
Gilroy, California.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Princeps, extra large double-nosed bulbs.....	9 50
Double Von Slon, first sized bulbs.....	9 00
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Paper White Grandiflora, 13 cm. and up.....	9 00
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

	Per 1000		Per 1000
Chrysolora.....	\$ 7 00	Keizerskroon.....	\$10 50
La Reine.....	8 00	Mon Tresor.....	11 50
Prince of Austria.....	12 00	Rose Luisante.....	14 50
Rose Gris de Lin.....	8 50	Vermilion Brilliant.....	7 50
Thomas Moore.....	8 00		
Single, finest mixed, all colors, for bedding.....			7 50
Murillo, the most profitable tulip for florists' use for forcing; always in demand; a very profitable variety at the price we are able to offer it this year, viz.....			10 00
Salvator Rosa.....			14 00
Gesneriana Spatulata, the true Gesneriana, the finest of all late tulips.....			9 50
Double, finest mixed, all colors, for bedding.....			8 50

Hyacinths

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties see wholesale list).....	Per 1000 \$4 00 per 100; \$35 00
Separate Colors, single, pink, white and blue.....	20 00
Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Cold Storage Lily of the Valley

Case containing 500 pips.....	\$ 8 00
Case containing 1000 pips.....	15 00

Miscellaneous

Lilium Harrisli, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition Case 200 bulbs..	\$15 00
Longiflorum Multiflorum. Case 300 bulbs.....	13 50
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1 1/4 in. in diameter, \$7 50 per 100	
Spanish Irls, named varieties, Belle Chinoise, British Queen and Darling.....	\$ 4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops, Single and Giant.....	4 50 per 1000
Gladiolus America, the finest of all Gladioli for forcing.....	35 00 per 1000
Crocus, finest named varieties.....	5 00 per 1000
Spiraea, in case lots of 100 bulbs: Gladstone, \$9 50 per case; Japonica, \$4 50 per case; Compacta Multiflora, \$5 50 per case.	

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

ABINGTON, MASS.—The Bay State Nursery Co. is setting out several acres of their property to shrubs and trees this fall.

NEW HAVEN, CONN.—The Elm City Nursery Co. have just let contracts for a large addition to their packing shed facilities and also storage cellars, where bay trees and other half hardy plants can be stored through the winter. They are also extending their office floor space and adding to their drafting room.

Notes From Southern California.

The effect of the first moderately heavy rains, after the summer's drought, upon the trees and shrubs of southern California is very remarkable, foliage and flowers that, before the rain, had a very dried up appearance immediately taking on new color and freshness. The eastern visitor finds a curious combination here of what appear to him to be hardy and tender shrubs and trees, growing in close proximity. Just as in the east, some growers attempt the culture of exotic shrubs that are not nearly as suitable to the climate as those of native growth, so the Californian planter largely neglects the many fine native trees and shrubs to grow those from other lands. He is more successful, however, than his eastern contrere, owing to the immense advantage of climate. Australian species are very well represented here, from the ubiquitous eucalypti to the wattles or acacias and the bottle tree (*Sterculia rupestris*). *Acacia dealbata* is largely planted as a street tree and makes a welcome change from the various palms, such as *Washingtonia filifera*, *chamerops*, *phoenix*, and others. The *sterculia* is also popular as a street tree, as are the *jacarandas* and, of course, the *California pepper* (*Schinus Molle*). *Acacia cultriformis* and *A. armata* are both dwarfier than *A. dealbata* and are popular shrubs or small trees for planting around home grounds. *Poinciana pulcherrima* makes a showy tree that flowers over a long season and is much more frequently seen than *P. regia*, a far superior tree.

As a lawn shrub, *Clanthus puniceus* is very popular, its pretty scarlet flowers contrasting well with the deep green leaves. *Malvaviscus arboreus* makes a fine companion plant to it and is one of the best species for planting on dry, sunny banks. Its flowers are a brilliant scarlet, something between an abutilon and a hibiscus, and the leaves are a pretty soft green. The Spanish broom (*Spartium junceum*) is attractive when in flower and is freely planted. *Escallonia* in variety grow well here and flower freely, but the flowers lack the brightness seen in cooler climates. *Erythnia crista-galli* and *E. splendens* are both showy and attractive and a welcome and refreshing bank of deep green is noted in the highly polished foliage of *Choisya ternata*, a plant that does well here if freely irrigated. As a fine foliaged shrub the rice paper tree (*Fatsia papyrifera*) has a noble appearance and is one of the most striking.

H. R. R.

MANETTI

In another month you will need good stock for grafting. We have just what you want. Place your order now so that you can get it when you need it.

—For December and January Delivery—

English.....per 100, \$1.75; per 1000, \$13.50; 5000 for \$60.00
French.....per 100, 1.50; per 1000, 12.00; 5000 for 50.00

Why not let us book you for your supply of dormant
Roses, Vines and Shrubbery.

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEONIES

Best Cut Flower varieties grown.

First Prize White.....\$15 00 per 100
" " Pink.....9 00 per 100
" " Red.....10 00 per 100
Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Hybrid Perpetual and Rambler Roses.

Strong Forcing Stock for Florists.
Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

Stock Wanted.

Strong field grown *Hydrangea Otaksa*; must be true. Send particulars as to size and price.

Key 233, care American Florist.

Eugene Pitou, Jr. CIVIL ENGINEER and
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Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of *AMPELOPSIS* *Vetitchii*, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, *Hydrangea P. G.*, Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

Dreer's Hardy Perennial Phloxes

We are the largest growers of Perennial Phlox in the world, having this season over a half million field-grown plants in stock.

The collection offered below embraces every known color in this gorgeous race of summer-flowering plants, and we are prepared to furnish many of the latter as well as the older standard varieties in large quantities at a low uniform price.

The plants we offer are all strong one-year-old field-grown, and will make a fine display of flowers next season.

Three Fine New Hardy Phlox

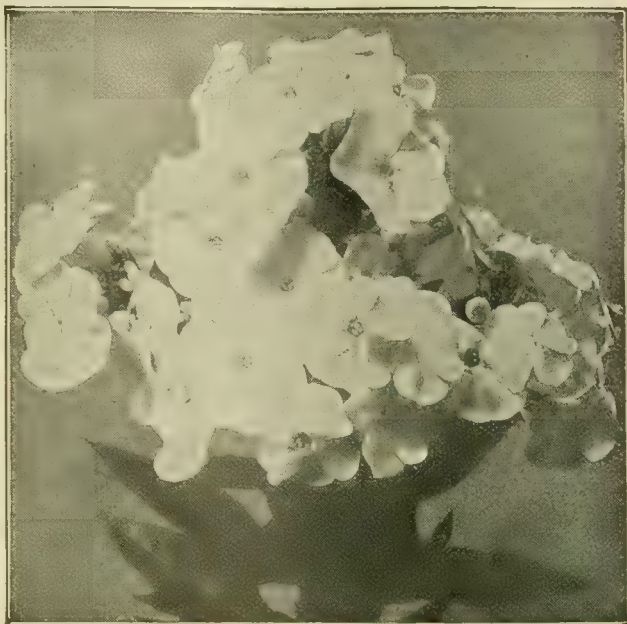
We would particularly call attention to the following *Three New Varieties* as not only the most distinct in color, but in every way superior to all varieties of recent introduction which have come to our notice:

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flowers; of dwarf habit,

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

PRICE: Any of the above three new varieties, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.



HARDY PHLOX.

General Collection of Hardy Phlox

Albion (Medium). One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglac Adanson (Medium). Immense flowers, snow-white, with red eye.

Antonin Mercie (Medium). Light ground color, upper half of petal deeply suffused bluish lilac; large, white halo.

Bacchante (Tall). Tyrian rose, with crimson-carmine eye.

Beranger (Dwarf). Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall). White, with large crimson-carmine centre.

Belle Alliance (Medium). White, with large pure red eye.

Charles Seller (Dwarf). Bright reddish-violet, with large white star-shaped centre.

Clara Benz (Dwarf). Lovely carmine-rose, with darker eye.

Colibri (Tall). White, with crimson-carmine centre; very late.

Consul H. Trost (Medium). Pure red, with bright French-purple eye.

Champs Elysee (Dwarf). A very bright rosy magenta of an effective shade.

Coquelicot (Dwarf). A fine pure scarlet, with crimson-red eye.

Caran d' Ache (Medium). Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium). White, suffused with bright rosy scarlet, red eye.

Diadem (Dwarf). A fine dwarf pure white.

Danton (Medium). Scarlet, with pure red eye.

Etna (Medium). Crimson red, suffused with fiery red; cherry-red eye.

Edmond Rostand (Medium). Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzavillier (Tall). Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf). Bright reddish-violet, with large white halo.

Eclairer (Tall). Brilliant rosy magenta, with large lighter halo; an excellent variety.

Frau Dora Umgeller (Tall). Crimson red; a strong free-flowering late variety.

Gruppenkonigin (Tall). Delicate, pale rose mauve, with claret-red eye.

George A. Strohelein (Medium). Bright scarlet, with crimson-red eye; does not bleach.

General Giovaninelli (Dwarf). Bright tyrian rose, with light shadings at the base of each petal; a pure red eye; very effective.

General Van Bentsz (Medium). Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

PRICE: Any of the above General Collection, \$5.00 per 100; \$40.00 per 1000.

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

H. A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

DELPHINIUM FORMOSUM
Hardy Lilies

Tenuifolium, Wallacel, Hansoni, Henryi, etc.
IRIS KAEMPFE 'I, DAPHNE CNEORUM
and **GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement page 504, Oct. 1 issue

Baltimore.

HEAVY SNOW STORM.

The last week opened with promise of an extra good business outlook; weather was propitious, crisp enough to be stimulating and not cold enough to frighten people into believing winter was near. Quite a number of weddings were to take place in social circles. The races were on, and the new interest, that of the aviation meetin., came at the same time, and with the ever attendant dinners and luncheons and other entertainments, there was hope of a cheerful and busy time. To the surprise and disgust of every one, a winter storm, almost unparalleled at the date for violence of wind, heavy snow and general discomfort, struck the whole southeastern Atlantic coast and knocked things to smithereens generally. The aviation grounds were swamped, the great tents were blown down, many of the flying machines damaged, some almost irreparably, six inches of snow covered the ground, and dismay and blues following the enthusiastic expectation that a new and thrilling sport was to be inaugurated. The storm lashed two days and interfered very much with all kinds of business and was a damper on social events. Of course the weddings and dinners came off, but the weather had great effect on the gaiety of the week. The bird-men have repaired the damages and the meeting and trials will go on, but the edge is off and the florists feel the disappointment as much or more than any other interest.

NOTES

The recent rains have given an impetus to nursery operators. During October, here the customary month for planting, the ground was too dry for almost any out-door work. It was almost impossible to plow and get the ground in order, and planting had the go-by. Now everyone is hustling to get their planting and seeding done, and the nurserymen are busy executing delayed orders.

The Gardeners' and Florists' Club has begun actively to make preparations for the meeting of the Society of American Florists in this city next year and a number of committees have been appointed amongst which the work is divided, all of the members taking hold with interest of the various branches committed to them.

The chrysanthemum product this year has been great in quantity, and as a rule, good in quality. There seems no diminution in the popular fondness for this autumn queen and the shops and markets, the market men and curbstone vendors, have had abundant supplies, sufficient to suggest that the thing is overdone.

ST. JOSEPH, MO.—R. G. Rau, park superintendent, is preparing for the annual chrysanthemum show at Krug Park. The varieties this year will be larger and more varied than at any previous time.

JACKSON, MICH.—The opening of the new flower store, 141 East Main street, by Henry M. Burt, October 26, was attended by 10,000 people. The place was richly decorated with plants and blossoms of all kinds. Mr. Burt was formerly in Battle Creek, where he successfully conducted business for ten years, selling out his business there and coming to this city.

Surplus Shrubs, Roses Dahlias and Other Stock

We have the finest lot of large-sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices:

Hydrangea paniculata grandiflora	100
2 ft. 5 to 8 branches.....	\$8 00
18-in. 3 to 5 branches.....	6 00
12-in. 2 to 4 branches.....	5 00
Viburnum plicatum, extra fine stock	
4 to 6-ft., 6 to 8 branches.....	\$8 00
2 to 3-ft., 4 to 6 branches.....	5 00
6 to 8 in., 1 to 3 branches.....	3 00
Altheas, all colors, fine plants	100
18 to 24-in., 4 to 8 branches.....	\$4 00

Berberis Thunbergi	
Splendidly branched	100
10 to 13-in., 6 to 8 branches.....	\$5 00
8 to 10 in., 4 to 5 branches.....	4 00
California Privet	
Magnificent stock	100
2 years planted, 15 to 20 branches.....	\$6 00
1 year planted 5 to 8 branches.....	3 00
Clematis paniculata	
Extra-strong plants	100
3 years old.....	\$10 00

FOR FLORISTS' USE:

Roses

All on their own roots, field grown, fine, strong and thrifty.

M. S. David Jardine, Killarney, Richmond, American Beauty, Kaiserin, Gen. Jacqueminot, (bench stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H. P's.....15c each

White and Pink Cochet, Mrs. B. R. Cant and Wm. R. Smith, all field grown..20c each

We can also supply, in strong young pot-plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.

Dahlias

Great clumps in splendid shape. All the leading sorts.

\$5 per 100; \$45 per 1,000

Send for list of splendid varieties, all kinds.

Cannas

Many of the best varieties. Divided roots, \$3 per 100. Send for list.

Asparagus

Both Sprengerii and plumosus—and

Maidenhair Fern

Extra-fine, strong clumps, grown under ideal conditions every plant perfect. Just the thing for home decoration, 15c each, in any quantity.

Violets

Immense, field grown clumps, both double and single \$8 per 100.

There is big money for you in all these items. Let us hear from you. We need the room and you need the stock.

THE DINGEE & CONARD CO.,

West Grove, Pa.

Geraniums

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the Best.

S. A. Nutt. \$11.50 per 1000.

Poitevine. 14.00 per 1000.

Ricard..... 14.00 Per 1000.

All sold until December. Expect to have about 75,000 ready week of December 12th. To be sure of December delivery, better get your order placed now.

Coleus. As fine a collection as any in the world. Can furnish them by the 100,000 in season; now if you want them.

A. M. HERR,
LANCASTER, PA.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

J. L. DILLON

WHOLESALE FLORIST

Bloomsburg, Pa.

WE WISH

To Call Your Attention to the Following Stock:

Jerusalem Cherries in flower and fruit, 2½-in., at \$5.00; 3-in., \$10.00; 4-in., \$12.50.

Celestial Peppers, fine lot of 3-in., \$8.00; 4-in., \$12.50.

Cyclamen, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$20.00; 5-in., for Christmas, at \$35.00.

Gloire de Lorraine, 3½-in., will make fine 5-in. for Christmas, 35 cents each. 4-in., 40 cents; 5-in., 50 cents.

Fancy Rex, 2½-in., \$6.00; 3-in., \$10.00; in., \$25.00.

4-Flowering Begonias, 2½-in.; \$5.00; 3-in., \$10.00.

Poinsettias, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$15.00; 5-in. stock at 35 cents.

Primroses, Obconica and Chinese, 2½-in., \$5.00; 3-in., \$8.00; 4-in., \$12.50.

Japanese Air Plants, in baskets, at \$1.50; \$2.00 and \$3.00 per dozen.

Green Moss Wreaths, with red, pink and white cape flowers, 10-in., at \$1.50; 12-in., \$2.00; 14-in., \$3.00 per dozen.

Write us about **Hydrangeas**, 2½-in., 3-in., 4-in., 5-in., 6-in., 8-in., and 10-in. in sizes.

Write for our fern list. Special bargains. We shall be glad for a trial order from you.

GEO. A. KUHLE,

Wholesale Grower, PEKIN, ILLINOIS.

Stock 'Mum Plants

Yellow Ivory, (new)..... \$2.50 per doz.
White Helen Frick, (new).... \$15.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

HOME AGAIN!

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, looking after the interests of his countless customers, and is as lively and as jolly as ever. **Leader in our specialty, the Araucarias, 8,000 in all sizes now ready; more coming.** See us growing. Remember this is our 25th anniversary in importing and shipping Araucarias. Ready for business. Can handle the largest order at short notice.

AZALEA INDICA.

Owing to the cold and wet weather this summer in Belgium and the large demand all over the world Azaleas this year are very scarce and high in price. But in spite of all that, I want all florists to know that I have just arrived from Europe with the finest cargo of **Azalea Indica** obtainable in Ghent. My grower over there always looks after my interests and has reserved for me the cream of his 200-acre azalea field—my own pick.

☞ When a cigarmaker smokes a cigar, what will he smoke? The worst? No, certainly. He smokes the best. The fragrant aroma of his production will tell his customers what a fine cigar he makes. So do I. What I force for myself is surely good enough for you, as I send my customers the same kind I force.

☞ Now is the Time to Force Azaleas for Christmas. What varieties will you take? Which ones will force well? Take my advice. There is the *Deutsche Perle* one of the best well known double whites; we have plants of these at 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. Next, *Simon Mardner* double, bright pink 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. *Vervaneana* is so well known that there is no need to talk about it; big, variegated rosy flowers, 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. *Apollo*, single, red varieties, much admired, 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. Dozen and hundred at the same price. How about *Mme. Patrick*? This is one of the earliest pink varieties, very scarce this year in Belgium and high in price; a few of this variety you must have. Price: \$1.00. \$1.25. \$1.50 to \$2.00.

☞ For Easter Forcing we have only the well known standard American market varieties, such as *Mme. Van der Cruysen*, pink, very scarce this year in Belgium, 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Niobe*, double white, 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Deutsche Perle*, 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Helena Thielman*, light pink, \$1.00. \$1.25. \$1.50 to \$2.00; *President Oswald de Kerkove*, \$1.00 to \$1.50; *Schryveriana*, 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Empress of India*, double variegated, 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Professor Wolters*, 75c. \$1.00. \$1.25 to \$1.50; *Vervaneana*, 60c. 75c. \$1.00. \$1.25 to \$1.50; *Apollo*, 60c. 75c. \$1.00 to \$1.25; *Simon Mardner*, 50c. 60c. 75c. \$1.00 to \$1.50.

☞ Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

☞ Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Mention the American Florist when writing

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

Mention the American Florist when writing

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

LEADER

in

FERNS

Scottii, *Scholzeli*, *Whitmani*, *Boston*. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Begonia Gloire de Lorraine

This is another specialty of ours. We have a secret in growing them to perfect ion, only known to us giving them a rich deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes, in bud and partly in bloom ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best *Begonia Gloire de Lorraine* on the market. They were crackjacks indeed! We have the deep pink and the light pink (*Lonsdale*) varieties, 6 in. pots, 50c, 75c to \$1.00; 7 in., \$1.25 to \$1.50; 3 in. (if transplanted soon will make good 4 in. for Christmas), 15c each \$15.00 per 100. If you have room you should order now, because they are always scarce at Christmas.

Begonia Erfordii, latest improvement; this variety is always in full bloom during winter. Christmas and Easter: 4 in. pots, in bloom and bud, 20c. *Begonia Rex*, 4 in., 20c.

Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; 4 in., 12c; 5½ in., 25c.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Primula Obconica, best strain, 4 in., 10c; 5 in., in bloom, 15c; 6 in., 25c.

LEADER

in

Begonia Gloire de Lorraine,

Kentias,

Palms,

Rubbers,

Etc.

We lead you into wealth.

☞ Please look at our special low prices for superior stock in

Araucarias

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15-18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c. \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, *Excelsa Glaucia*, 6 in. pots \$1.00 \$1.25. \$1.50 to \$2.00 each.

Shasta Daisies, 2½ in., \$3.00 per 100.

Jerusalem Cherries, or *Solanum* 6 in. pots, 25c. 35c, 50c; 3 in., \$5.00 per 100.

Cineraria Grandiflora Hybrida, Aschmann's well known strain 2 in. pots, \$3.00 per 100; 4 in., 10c. *Dracena Branti*, 25 to 30 in. high, 6 in. pots, 40c to 50c.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Kentia Forsteriana, in fine shape 6 in. pots 30 35 40 45 in. high, 4-5-6 years old, 75c. \$1.00 \$1.25. \$1.50, \$2.00 to \$2.50 each; 4 in., 35c each, 25 in. high.

Kentia Belmoreana, 25 30 35-40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each; 4 in., 25c each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00 \$1.25 to \$1.50.

Our Ferns this year are exceptionally very fine. *Boston*, *Scottii*, *Whitmani* and *Scholzeli*, 5½ and 6 in., 35c, 40 and 50c; 7 in., large bushy plants, 75c to \$1.00. Remember, all our Ferns are pot-grown, not lifted from benches.

• *Pteris Wilsonii*, 3 large bushy plants in 6 in. pan. 30c to 35c per pan.

Neph. Todeoides, New London Fern, 2½ in., 5c; 3 in., 7c.

Special to Close Out: 4 in. *Whitmani* and *Scottii* Ferns, fine to grow on, 15c.

Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

Rubber Plants, 6 in. pots, 35c, 40c and 50c.

Asparagus Plumosus, 2½ in. 3c; 3 in., 5c.

Asparagus Sprengeri, 2½ in., 3c.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Primula Chinensis, 4 in. pots, \$10.00 per 100.

Hydrangea Otaksa, pot-grown, 6 in., 25c.



Wholesale Grower and Importer of Potted Plants,
1012 West Ontario Street,

Philadelphia, Pa.

QUALITY CHRISTMAS SWEET PEAS.

For list of varieties and prices see our previous advertisements in the AMERICAN FLORIST. Get our Fall Bulb and Seed Catalogue, which if you have not one is free for the asking. A postcard will fetch it.

Arthur T. Boddington, Seedsman,

342 W. 14th St., NEW YORK CITY.

FERNS

2½ in. *Whitmani* and *Amerpohli*, \$5.00 per 100. First class stock ready for shift.

SUPERIOR NURSERY CO.

59th & Compton Sts., LOS ANGELES, CAL.

SPECIALTIES.

Roses, from 3-in pots.

Carnations for fall delivery.

Chrysanthemums

Smilax, *Violets*

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Tell Your Dealer You "Saw It in THE FLORIST."

PANSY PARK PERFECTION

Is the best market strain of Giant Show and Fancy Pansies—flowers of largest size and greatest variety of rich rare and odd colors and markings, the reds in many varieties.

I have made a specialty of growing Pansy seeds and plants nearly 40 years, and this strain is the result of many years of breeding and selection and includes all the new varieties introduced by Foreign Specialists during all these years.

From C. A. Lane, Daytona, Fla.: "Pansy plants received and were in fine condition and very nice plants—think every one will live."

From G. H. Taepke, Detroit Mich.: "Send me \$10.00 worth of your best Pansy seed. If as good in colors and size as they were last year, I will need double the amount next year."

A large stock of fine stocky, field-grown plants from seed sown thinly broadcast, causing extra good roots. Over 60 varieties mixed or separate: 1'00, \$3.00; 500, \$1.75; 5000 \$14.00; 10,000, \$27.00; 20,000 \$50.00; cash. Shipped any time you want up to Dec. 15.

L. W. GOODFELL
Pansy Park, Dwight P. O., Mass.

Hollyhocks

Double white yellow, pink, maroon salmon-red, extra strong transplanted roots \$6.00 per 100; \$50.00 per 1000

Aquilegia Coerulea.....	100	1000
Arabis Alpina.....	5 00	45 00
Alyssum Saxatile Compacta.....	5 00	45 00
Campanula patulica.....	5 00	45 00
Oenothera F. aeri.....	5 00	45 00
Papaver Orientale.....	5 00	40 00
Veronica Spicata.....	4 in. pots. 6 00	50 00
	5 00	35 00

GEO. F. KIMBEL,
Flourtown, Pa.

Carnations Rooted Cuttings

Our Leaders for 1911:

White Wonder,
Gloriosa,
Pink Delight,
Scarlet Glow.

Send for price list.

F. DORNER & SONS CO.
La Fayette, Ind.

Pansy Plants.

None better at any price. \$2.50 per 1000; 5000, for \$10.00

Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2½-inch pots, \$2.00 per 100; \$5.00 for 500.

Violets, field grown, Lady Campbell to clean out, \$3.00 per 100; \$25.00 per 1000.

J. G. SCHMIDT, Bristol, Pa.

First Aid to Rose Buyers

Fall Price List—200 sorts.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Now Ready—New 1910 Edition

THE TRADE DIRECTORY

Florists, Seedsmen and Nurserymen
of the United States and Canada.

PRICE: \$3.00, postpaid.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4 in. pot plants, 12-15 in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Small Ferns for Dishes, good assortment of varieties, \$3.00 per 100; \$25.00 per 1000.

Nephrolepis scholzei, 2½ in. \$5.00 per 100; 5 in. strong, \$6.00 per doz; \$40.00 per 100.

Nephrolepis Whitmani and Boston, 2½ in. \$3.00 per 100; \$25.00 per 1000. Whitmani, 5 in. \$3.50 per doz.; \$25.00 per 100

Primula Sinensis, 3-in. pink and red \$4.00 per 100.

Primula Obconica Grandiflora, pink, red and white, 2½ in. pots, \$2.50 per 100

Celestial or Christmas Pepper, 4-in. full of berries, \$10.00 per 100.

Jerusalem Cherry, strong well-berried, 5-in. \$20.00 per 100.

Gladiolus, Blushing Bride and The Bride, 60c per 100; \$5.00 per 1000.

Narcissus, Emperor and Empress, \$1.25 per 100, \$11.00 per 1000. Trumpet Major, French grown, 80c per 100; \$7.00 per 1000. Paper White Grandiflora, 80c per 100; \$7.50 per 1000. Chinese (Sacred Lily) per basket of 30 for \$1.00; bale of 120 for \$3.50. Princeps, 60c per 100; \$5.00 per 1000.

Hyacinths, White Romans, 12-15 centimeters, \$1.75 per 100; \$15.00 per 1000.

Spiraea, large forcing clumps, Gladstone, \$9.00 per 100; Queen Alexandra, \$12.00 per 100. Florabuda, \$4.50 per 100; Superba \$6.00 per 100. Blandin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica at \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering.....	\$2.60	\$0.50	Chinese, 2½-in. pot.....	\$12.00	\$1.50
Asp. Sprengeri, 2½-in. pots.....		2.00	Obc. Alba and Rosea.....		1.50
Vinca Var., from field.....		4.00	Obc. Gigantea.....		2.00

—Cash.—

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS Rooted Cuttings

On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly.

B. E. WADSWORTH, Box 224, Danville, Ill.

SMILAX

3-in.....\$40.00 per 1000.

Sprengeri 2-in., \$25.00 per 1000.

Poechlmann Bros. Co., Morton Grove, Ill.

Mention the American Florist when writing

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

ASPARAGUS

Strong, 2½-in. pots, ready to shift. Per 100 Per 1000

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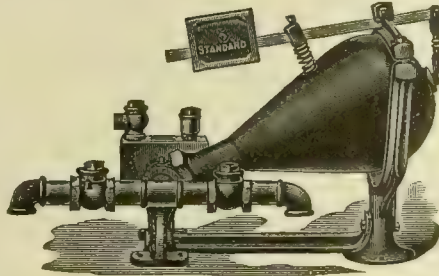
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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

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Dahlias. Vaughan's Seed Store, Chicago and New York.

Dahlias. Pape & Bergman, Quedlinburg, Germany.

Dahlias, clumps, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Giant double daisies, mixed, 30c per 100; \$2 per 1,000. Chas. Frost, Kenilworth, N. J.

Paris daisy, yellow, 2-in., 2c. Byer Bros., Chambersburg, Pa.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. **DICKSONIA ANTARCTICA.** A grand commercial tree fern of greatest value, 4-in. stock, \$8 per doz.; \$65 per 100. **FERN SEEDLINGS** in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. **ADIANTUM CUNEATUM**, 4-in., \$12 per 100. **Asparagus plumosus nanus** and **Sprengeri**, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

FERNS, BOSTON, SCOTTII, WHITMANI, ELIGANTISSIMA, ETC.

Clean healthy plants, pot-grown.

	Doz.	Per 100
5-inch	\$3.00	\$25.00
6-inch	4.50	35.00
8-inch	each, \$1; doz., \$12	

Cash Please.

LEY & BICKINGS, GOOD HOPE, D. C.

Ferns, for dishes, assorted, \$3 per 100; \$25 per 1,000. Scholzel, 2½-in., \$5 per 100; 5-in., \$8 per doz.; \$40 per 100. Whitmani and Boston, 2½-in., \$3 per 100; \$25 per 1,000; Whitmani, 5-in., \$3.50 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, assorted for dishes, 2½-in., \$3.50 per 100; \$25 per 1,000. Boston, 4-in. \$2.50 per doz.; 6-in., \$8; 7-in., \$10; 8-in., \$14. Harris type, 8-in., \$2 each; 10-in., \$3. Whitmani, 4-in., \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni, 2½-in., 4c; 3-in., 8c. Elegantissima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbak Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitmani, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Heavy plants, Boston, Piersoni, Elegantissima, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 2-in., \$2.50 per 100; 3-in., \$6; 4-in., \$10; 5-in., \$20; 6-in., \$35. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. Whitmani and Boston, 2½-in., \$3.00 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Ferns. Boston and Whitmani, 2½-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns. Whitmani, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Neph. Glatrasi, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatrasi, 463 Summit Ave., West Hoboken, N. J.

Ferns. Whitmani and Amerpohl, \$5.00 per 100. Superior Nursery Co., Los Angeles, Calif.

Maidenhair ferns, clumps, 15c each. Dingee & Conard Co., West Grove, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 16 ins., \$1 each; 24 ins., \$1.50 each; 3-in., \$2; 36 ins., \$2.50; 48 ins., \$3.50. Vaughan's Seed Store, Chicago and New York.

Ficus pandurata, 24-ins. high, \$1.50 each; 30-in., \$2; 36-in., \$2.50; 48-in., \$3.50. Vaughan's Seed Store, Chicago and New York.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubbers, 5-in., 25c. Byer Bros., Chambersburg, Pa.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, hardy, early flowering, blue. Fine field-grown stock, \$4 per 100. Mosbak Greenhouse Co., Onarga, Ill.

GERANIUMS.

Geraniums from 2-in. pots, good stock. Nutt, La Favorite, L'Aube, Viald, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberla, Wyzewa, \$2 per 100; \$18.50 per 1,000. Dugata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3 per 100; \$25 per 1,000. Pelargoniums, Mme. Loyal, \$5 per 100. Cash with order. Write for geranium catalogue. A. D. Root, Wooster, Ohio.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double); Beaute Poitevine, Mme. Buchner. Strong healthy cuttings for delivery December 1, \$1.50 per 100; \$12.50 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viald, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geranium rooted cuttings now ready. Nutt, \$1 per 100; \$10 per 1,000. Ricard and Jean Viald, \$1.25 per 100. All top cuttings. Jacob Doerrier, R. 1, Columbia, Pa.

Geraniums, R. C., 100 prepaid, \$1.25; Nutt, Grant, Poitevine, Jaulin, Chas. Gervais, Montmort, Buchner, Ricard, 1,000, \$10. Chas. Frost, Kenilworth, N. J.

Geraniums, 3-in., \$3.00 per 100; \$25 per 1,000; 2-in., \$2.00 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Danville, Ill.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties, 2½-in., 2c. Mosbak Greenhouse Co., Onarga, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000; bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green and bronze, 50c per 1,000. Ferns, dagger and fancy, \$1 per 1,000. Leucothoe sprays, green, regular lengths, \$2 per 1,000; 10 to 15 inches, \$1; bronze, \$3. North Carolina Evergreen Co., Banners Elk, N. C.

Boxwood Sprays, cut to order from either the tree variety (long sprays) or the hedge variety (short sprays), packed only in 50 pound crates. Jones, the Holly Wreath Man, Milton, Delaware.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 50 W. 28th St., New York.

Wild Smilax, needle pine, palm leaves, palm crowns, grey moss, mistletoe, holly. Chattanooga Floral Co., Hatcher Station, Ga.

Holly. Extra selected holly cut to order. If you have not received our price list of other evergreens, write for it at once. Jones, the Holly Wreath Man, Milton, Delaware.

Greens, fancy holly, sheet moss, laurel, autumn foliage, mistletoe. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Chegglin, Roan Mountain, Tenn.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

IRIS GERMANICA Honorabilis, atropurpurea, Madam Cherau, Queen of Gypsies, Spectabilis, Virgils, Walneri, field-grown, \$2.50 per 100; \$25 per 1,000. **JAPANESE**, mixed, \$6 per 100. Wagner Park Conservatories, Sidney, O.

Dreer's hardy perennial phloxes. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hardy Phlox. 20 best varieties, all colors, one-year field-grown plants, \$3.00 per 100; \$27.50 per 1,000. Can deliver at once. The Good & Reese Co., Springfield, O.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. Geo. F. Kimbel, Flourtown, Pa.

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmeiske, 72 Court St., Binghamton, N. Y.

Perennials. McHutchison & Co., 17 Murray St., New York.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Heliotrope Centefeur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Hollyhocks, dbl., field-grown, \$2.25 per 100. Byer Bros., Chambersburg, Pa.

HELIOTROPES.

Heliotrope, R. C., 75c per 100; prepaid, \$6.50 per 1,000. Chas. Frost, Kenilworth, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

New Hydrangea Arborescens Grandiflora Alba, the new forcing Hydrangea, two-year, field-grown, \$2.00 per doz.; \$14 per 100; \$120 per 1,000. The Good & Reese Co., Springfield, O.

10,000 Hydrangea Otaksa, pot-grown, 4-in., \$8 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, field-grown, 6 and more crowns, \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C., English, \$1; German, 50c prepaid. German, \$4 per 1,000. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem Cherries, well berried, \$20 per 100. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantanas, Bruant's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

LILACS.

Lilacs, Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3040 Madison St., Chicago.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

LOBELIA.

Lobelia cardinalis seed for sale. 1910 crop. For prices apply to John Tiplady, Lake Forest, Ill.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Viburnum plicatum, Hydrangea paniculata grandis, Altheas, Berberis Thunbergi, California privet, Clematis paniculata. See advertisement elsewhere in this issue for varieties and prices. The Dingee & Conard Coy, West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock. Large Evergreen trees, Cedars, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, giants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, open frame-grown, stocky plants, Trimardeau and Vaughan's giant mixture, 50c per 100; \$4 per 1,000. Moshek Greenhouse Co., Onarga, Ill.

Kenilworth Giant Pansies, 50c per 100; prepaid, \$3 per 1,000. Chas Frost, Kenilworth, N. J.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel., 18 to 20 inch, heavy, \$5 per doz. Areca, 2 1/2-foot, \$7.50 per doz. Phoenix Roebelenii, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Phoenix Roebelenii, for prices and sizes see advertisement on front cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Bel., 2 1/2-in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Utilis, 5-in., \$5 per doz., 6-in., \$9; 7-in., \$12. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies. 1st prize white, \$15 per 100; pink \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PEPPERS.

Christmas peppers, 6-in., \$4.50 per doz. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Christmas peppers, 4-in., full of berries, \$10 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2 1/2-in., \$1 per doz.; \$6 per 100; \$50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2 1/2-in., \$4 per 100. Harry Heintz, W. Toledo, O.

PRIMULAS.

Primroses, Obconica giants, 3-in., \$4 per 100. Chinese, large flowering 3-in., \$4 per 100. Keenensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula from 2-in. pots, frame-grown, no better strain in existence. OBCONICA GRANDIFLORA, Rondsorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. GIGANTEA, 3c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and Obconica, 2 1/2-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2 1/2-in., \$1.50 per 100; \$12 per 1,000. Obconica, alba and rosea, \$1.50. Obconica gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primroses, obconica alba, lilac, rubra, hybrida and rosea, \$2 per 100. Carminea Sanguinea, \$3. Byer Bros., Chambersburg, Pa.

Primula obconica, 4-in., \$1.50 per doz. Baby, 4-in., \$1 per doz.; 5-in., \$1.50. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula sinensis, 3-in., \$4 per 100. Obconica grandis, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas. Chinese and Obconica, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet. California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plants and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

ROSES.

Roses. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

ROSES, cut flower varieties, 2 1/2-in. pots: White La France, Mme. Abel Chatenay, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3 1/2-in. pot, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Veltheimblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiana & Son., Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Rontzahn Seed Co., Arroyo Grande, Calif.

SALVIAS.

Salvia, 2-in., 1 1/2c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Smilax, good 2 1/2-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Smiths, 3 in., \$40 per 1,000. Pochlmann Bros. Co., Morton Grove, Ill.
 Smiths, Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon Verbenas, R. C., 75c per 100; prepaid, \$6.50 per 1,000. Chas Frost, Kenilworth, N. J.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce, Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

Celery and Cabbage, \$1 per 1,000; \$7.50 per 10,000. Parsley, \$1.50 per 1,000. J. C. Schmidt, Bristol, Pa.

VINCAS.

Vincas, variegated, strong field rooted tips stored without frost in a cool house. These plants will readily grow into stock for spring sales, \$1 per 100; \$10 per 1,000. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Vinca Var., 2 in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca major, strong field-grown, \$3.50 per 100. T. J. Felters, Harbor Springs, Mich.

Vinca var. from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, Princess of Wales, field-grown, \$5 per 100; \$45 per 1,000. Lady Campbell \$4 per 100; \$35 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, Gov. Herrick, splendid field-grown clumps, \$5 per 100; \$40 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, field-grown, \$8 per 100. Dingee & Conard Co., West Grove, Pa.

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Wanted—3,000 American elm trees, 2 1/2 inches diameter. Address Key 231, American Florist Co., Chicago.

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Ford, Wm. P., 45 W. 28th St., New York.
 Froment, Horace E., 57 W. 28th St., New York.
 The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 402 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48x50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

Lilley, Samuel F., 5 S. Mole St., Philadelphia.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Nissen Co., The Leo, 1200 Arch St., Philadelphia.

Pennock-Mechan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond St., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter E., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Endlong, J. A., 37-39 Randolph St., Chicago.

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Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

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Reinberg, Geo., 51 Wabash Ave., Chicago.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

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Boston—Penn, the Florist, 43 Bromfield St.

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Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julian Baer, 138 E. Fourth St.

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Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

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Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Henry Smith.

Grand Rapids, Mich.—El Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

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Kansas City—Samuel Murray, 913 Grand Ave.

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Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

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Milwaukee—C. C. Pollworth Co.

New York—David Clark's Sons, 2129 Broadway.

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St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.

Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.

Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.

Washington—Gude Bros.

Washington—Geo. C. Shafer, 14th and I Sts., N. W.

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Boilers, The Moninger-Furman, 200 sizes and styles, John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers, The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular, Johnston Heating Co., 131 E. 26th St., New York.

Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers, S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes, Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses, Giblin & Co., Utica, N. Y.

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Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

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Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Siebert's zinc never-rust glazing points, 2 sizes, $\frac{5}{8}$ and $\frac{7}{8}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

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Plant bed cloth, waterproof sheeting, bay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Pacific Coast Plant Tub. Write for prices. Patton Woodenware Co., Seattle, Wash.

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The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.



This is the way the Eben Jordan range looked after being erected ten years, when at Plymouth, Mass. Two years ago we took it down and re-erected it at Wenham, Mass., and it is still good for a lifetime in its new home. Construction is our Sectional Iron Frame.

It is just another proof that the principle upon which it is constructed is right, and that the construction is right. It is framed in sections, each part bolted together. Easy to erect, quick to erect, and once erected has a life of generations.

Send for Advance Pages from our New Catalog.

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The Rookery

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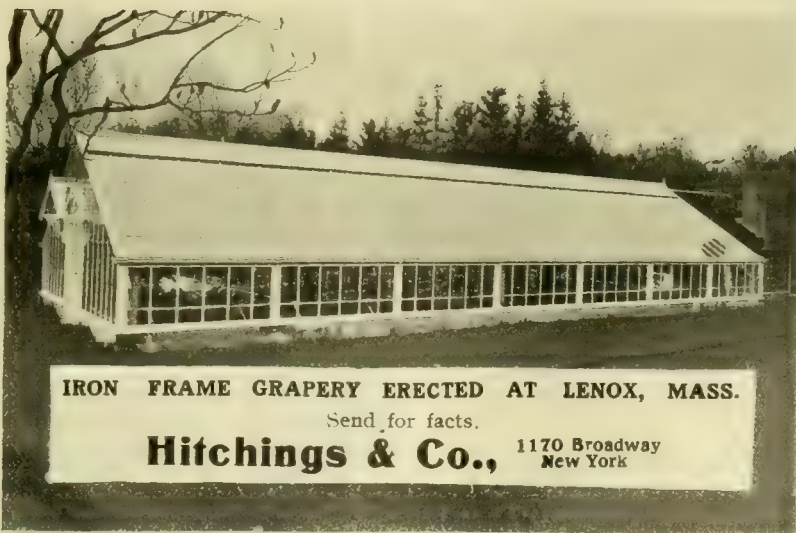
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Our semi-iron houses meet every strain a greenhouse is subject to; and our iron frame houses are the best yet produced.

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Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
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S. WILKS MFG. CO.,
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YOU GET YOUR MONEY'S WORTH WHEN YOU BUY Greenhouse Construction Material

OUR FINE STOCK OF LOUISIANA RED CYPRESS

Is just as you want it, dry and light. You miss an opportunity if you fail to order now, for you get not only fine stock, but we can give more time to your order in the slack season, now coming on. May be we can save you a little money as well. Let us hear from you.

Pecky Cypress, **Hot Bed Sash,**
Ventilating Machinery,
Iron Pipe, Fittings, Steel Gutters, Steel Purlins.
The Foley Manufacturing Co. CHICAGO. 26th and Western Ave.

The New Insecticide Law Requires Guarantees!

As a result, you will perceive just what value you are getting for your money when purchasing the various preparations offered you.

Just here, it may be of interest to you to know that, although this Law is not operative before January, the labels on "Nico-Fume" Tobacco Paper and Liquid have for a long time plainly set forth the specific information that the new Law requires.

So, in buying the "Nico-Fume" products now, you are just as fully informed as you will be next year under the new Law.

Do you realize how this protects you in the purchase of your supplies?

Do you also realize the "value-received" you obtain from "Nico-Fume" products as compared with that offered by competing preparations?

It Certainly PAYS To Keep INFORMED

If you are not fully informed upon this subject, won't you investigate? For full particulars write to the manufacturers;

THE KENTUCKY TOBACCO PRODUCT CO., Inc., **Louisville, Ky.**

Providence.

An oversupply of carnations, violets and roses is a condition which prevails every season from November 1 to about November 20, as chrysanthemums overshadow all other flowers and will for some time to come. Carnations are more plentiful and of better quality and prices only normal. Good stock roses of all the popular kinds are very plentiful and prices low, and fine specimens of orchids are seen in the stores, but the demand is limited. Gardenias are of good quality, enough to supply all demands. Violets are over abundant and selling for low prices, and enough lilies and lily of the valley to meet all calls. Plant trade and the filling of fern dishes have been good, but flowering plants are scarce and greens are very plentiful.

NOTES.

John A. Macrae is cutting large quantities of chrysanthemums and has taken the greatest number of prizes of any exhibitor at the show here in the past five seasons.

The greenhouses on Mill street, Newport, where Carl Jurgens commenced forcing of lily of the valley, are now being torn down.

William Appleton, E. J. Johnston and George A. Johnston are all convalescent after being confined to their homes for some time.

S. J. Reuter & Son, of Westerly, are cutting some very fine chrysanthemums which they send to the Boston market.

James J. King is building a new dwelling house and a greenhouse on the place he recently bought on Plainfield street.

William Fly and Howard Dickey, on South Main street, Woonsocket, are cutting immense quantities of chrysanthemums.

M. J. Leach & Sons and William Hoffman, of Pawtucket, are making grand window displays.

A. W. Vose & Son, Cumberland Hill, have just completed two greenhouses 35x100 and 24x68 feet.

Gibson Bros. have installed a new Lord & Burnham boiler in their greenhouse at Newport.

Samuel Kinder, of Bristol, has a new red carnation seedling and all speak very highly of it. G. A. J.

Montreal.

LIVELY BUSINESS.

Business is quite lively and has been so for the last two weeks. Chrysanthemums are at their full season and are seen everywhere and of very good quality, but local growers complain of poor bud formation, although the growth was vigorous enough. The singles are more numerous than last year, but there are still some people who persist in calling them "daisies." There will be a show in a small way at the club rooms of the Montreal Gardeners' and Florists' Club on Monday, November 7, and as this is chiefly intended for the members, it will bring out all the newest varieties grown in and around Montreal. Rose growing is apparently on the decline here, at least there has been no increase in the area of glass devoted to roses for years; but the quality grown in some of our plants compares favorably with the imported flowers. Carnations are not too plentiful, but are very good and find ready sale against the chrysanthemum. There are more violets on the market than can be profitably sold. The quality is fairly good, but there is a glut at present.

A severe windstorm November 5 caused considerable damage to several greenhouses. At A. C. Legare's some ventilators were torn off their hinges and about a thousand feet of glass broken. At Hall & Robinson's, Outremount, a large King construction house was blown a foot out of plumb, and a lot of glass broken. The wind was

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GREENHOUSE GLASS.

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Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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WHOLESALE GLASS AND PAINTS,

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CYPRESS

Is a wood that has come into very general use in

Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
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Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

BURNED CLAY

Tile Benches and Tile Bottoms

Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Boilers OF HIGH GRADE...
For GREENHOUSES

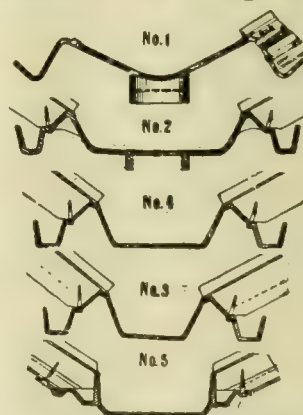
See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

most terrific here. About two hundred yards back of this house it blew over a large traveling crane and a lot of scaffolding, killing three men. The King construction house after the force of the wind was spent nearly resumed its normal position, with very little help.

T. Martel is taking and enjoying a trip to the Pacific coast. LUCK.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

NOW READY

The American Florist Company's

Trade Directory **For 1910**

Contains 570 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

324 Dearborn St., Chicago.

For Photographs of Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic
Illustrator
413-414 Hayward Bldg., Rochester, N. Y.
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H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



KRICK'S Florist Novelties

Manufacturer and Patentee of
The Only Genuine Immortelle
Letters on the market.
Order at once.

CHAS. AUG. KRICK,
1164-66 Greene Ave.,
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Every letter marked.

Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

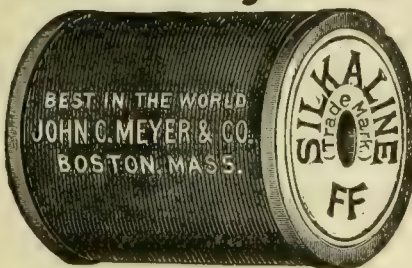
Albany, N. Y.

Many friends of Alfred E. Whittle, of 1020 Madison avenue, are extending him sincere sympathy on the death of his wife, which occurred on Saturday, October 29. The funeral took place on November 1 from St. Andrew's Protestant Episcopal Church. Mrs. Whittle has been a sufferer from heart trouble for some time. The Albany Florists' Club sent a floral piece suitably inscribed.

At the November meeting of the Albany Florists' Club arrangements for the flower show, now under way in the armory, were discussed. Some minor changes were made in the premium list and a resolution passed to notify those interested. Seven new members were admitted: Clarence H. Gordonier, Troy; Edward W. Stearns, Hoffmans; Ernest Harris, Frank E. Berberick, Adell Van Wie, Morton R. Tank, and Edson C. Lovell of this city. The question box brought forth some discussion. Whether it was best to pull or to cut asparagus sprengeri was settled by experiences of the growers present, all of whom agreed that it is best to pull sprengeri and to cut asparagus plumosus. Why poinsettias droop in beds brought out a great deal of information on the habits of this holiday favorite. It seemed to be the consensus of view that poinsettias grown in pans or boxes are not so likely to droop as those grown in open benches, where the roots have a chance to ramify for long distances. When kept in the confined space the bark on the stem hardens more quickly and the whole plant seems to be more sturdy. Experiences confirming these views were related by several of the members. Following the meeting the members went to a nearby jewelry store to view the twelve cups offered as prizes at the flower show. These trophies were displayed in several prominent store windows, where they attracted much attention. R. D.

BATAVIA, ILL.—The Batavia Greenhouse Co. has increased its capital stock from \$8,000 to \$12,000.

The "Meyer Green Silkaline"

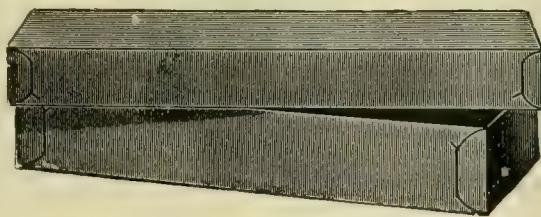


is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

Mention the American Florist when writing

Plant Bed Cloth

For Florists Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

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Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by
W J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

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HALFTONES, ENGRAVINGS and
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

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SCRANTON, PA.—G. R. Clark is making a business trip in the West in company with Dr. C. W. Trevorton and expects to be gone three weeks.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.,

266 North 9th St.,
BROOKLYN, N. Y.



A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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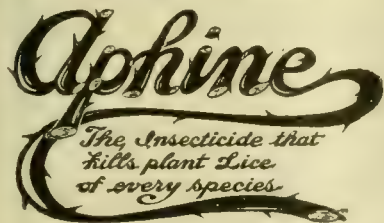
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Madison, N. J.

You may send me by freight another ten gallons of Aphine. I am using it altogether in my houses and find it is better than fumigating. My chrysanthemums never had as fine foliage as this year, and no insects anywhere. Aphine certainly is the best insect destroyer, while it will not hurt the plants or blooms.

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MANUFACTURED BY

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MADISON, N. J.

Pacific Coast Distributing Agents: MacROBIE-
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California.

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*Green Flies and
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are easy to kill with

The Fumigating Kind Tobacco Powder

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Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE E. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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CORSICANA, TEX.—The Corsicana Greenhouses were awarded the first prize for the best collection of ferns at the Navarro County fair held here October 6-8. The exhibit consisted of 25 species and varieties and included most of the popular sports of *Nephrolepis Bostoniensis* which were all grown from small plants at their houses.



PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers.

Also Exporters of Pure Scotch Soot Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.

Mention the American Florist when writing

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

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Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

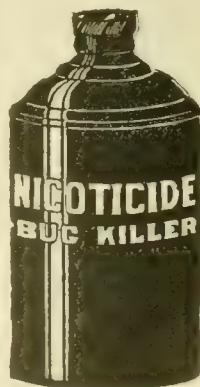
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Snugs.

This is the Grower's Friend. Handy to use. cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8 1910

KANSAS CITY, Mo.—Samuel Murray held an opening at his new store, 913 Grand avenue, November 7-9. A very neat invitation card was issued and distributed to his trade and large numbers of customers and friends were present to enjoy the beautiful display.



THE BEST
Bug Killer and
Bloom Saver

For PROOF
Write to

**P. R. PALETHORPE
COMPANY,**

Owensboro, Ky.

IF YOU SAW IT IN
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards, Chicago
Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

Los Angeles, Calif.

The past two weeks have been very dull with large numbers of chrysanthemums, carnations and other stock going to waste. The hot spell brought along outdoor chrysanthemums very rapidly and the market has been glutted. A better tone set in at the beginning of the month and the cooler nights have greatly improved the rose stock.

NOTES

Wright's Flower Shop had the decorations of the house and grounds of Mrs. E. L. Doheny, who entertained the American Bankers' Association. The house was decorated throughout with chrysanthemums and American Beauty roses, while the spacious and picturesque grounds were transformed by a most lavish display of all the different flowers in season. About 100 cattleyas, 1,500 chrysanthemums, and many thousands of roses were used, besides large quantities of outdoor carnations, centaureas, scabiosa, cosmos and others. Fifteen experienced decorators were kept busy for two days, and the whole formed a most brilliant climax to the round of entertainments given in honor of the bankers. In the store business has been exceptionally good and all hands have been kept hustling from Tom Wright and Manager Wern downwards. This house has more than a local reputation for good flowers, and is a spirited buyer, outside of the fine stock grown in its own greenhouses.

Wm. Haerle, of the El Reah Nurseries, has been on the sick list and has been missed from his usual rounds. Starting in with a severe cold, which threatened pneumonia, a rather bad case of varicocele developed. He was confined to the house for about a week, but is now able to get a round the greenhouses with the aid of a cane.

Changes are the order at the Hayward Floral Co., J. Reeve Darling having bought out his partner, Charlie Morton. Mr. Morton has joined forces with E. R. Meserve, a local violet grower of some repute, while Mr. Darling will continue the business in the Hayward building.

Dr. C. G. Dwight, who sold out his greenhouses at Janesville, Wis., to Ed. Amerpohl, now resides at Hollywood. Having to relinquish his practice for a time on account of overwork, he is trying the effects of the California air and is interested in a large automobile concern.

HEATING PLANTS

Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now.

Send for our Special Heating Catalog, filled with valuable information; tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. 300,000 feet of Standard Pipe, all sizes: will be cut to any length.

Engines, Boilers, Valves and Fittings.
Building Materials and Supplies.

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Free upon request.

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35th and Iron Sts., CHICAGO.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A.T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 10,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes 3/4 and 1/2. 40c per lb., by mail 16c extra: 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Holds Glass
Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DEER,
714 Chestnut St., Phila., Pa.

W. G. Gowans, superintendent of the conservatories at Eastlake park, has a fine show of orchids now. Two hundred blooms of Cattleya labiata, and a fine bench of Oncidium varicosum Rogersii are among the principal attractions.

A. F. Borden, the popular florist at Levy's cafe, was presented by Mrs. Borden with a Halloween present in the form of a fine baby girl. Mother and child are doing well.

H. R. R.

SANFORD, FLA.—L. H. Temple has built up a nice business and contemplates adding a few thousand feet of glass. At the present the propagating is done on sheltered beds and frames, and lath houses do well at all seasons. The coming season promises to be a good one for all agricultural pursuits.



Use Sunlight Sash side by side with ordinary Sash this Winter

See how much bigger and sturdier the plants under Sunlight Double Glass Sash will be. See how little care they require—how they save time and labor because you never have to cover them.

The double layer of glass does it. Between the two layers of glass is a 3/8 inch transparent blanket of dry, still air—a perfect non-conductor, keeping in the heat, keeping out the cold. Since the sash are never covered the plants get all the light from sun-up to sun-down.

Agents Wanted: A splendid opportunity. Write for details.

Send for these two books 1. Our Free Catalog—Contains the details of this new invention for hot-beds and cold-frames our freight prepaid and guaranteed delivery proposition.

2. Send 4c in stamps for a valuable booklet on hot-bed and cold-frame gardening by Prof. W. F. Massey. There is no higher authority in the country. This book will interest the most expert gardeners.

Write today to

Sunlight Double Glass Sash Co.
934 E. Broadway, Louisville, Ky.
Mention the American Florist when writing

ADVANCE MACHINES

combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.

THE ADVANCE CO.,
RICHMOND, IND.



Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

Always mention The American Florist
when you order stock. : : :

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, NOVEMBER 19, 1910.

No. 1172

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
Pres.; FRED W. VICK, Rochester, N. Y., Vice-
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WM. F. KASTING, Buffalo, N. Y., Treas.
OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.;
RICHARD VINCENT, Jr., Baltimore, Md., Vice-
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;
WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Cinerarias.

The cinerarias will now need their last shift, which with most growers is a 6-inch pot. While the culture of this plant is very easy they need as much attention as any plant that is grown. A good fibrous loam, not too fine, a little rough is preferable, with about one-fourth good rotten manure is just what they require and at the last potting made pretty firm. A good cool temperature in a good light house all the time, with all the ventilation possible during bright weather, gives the best results. They should be spaced out as rapidly as they grow, so that the broad leaves will have an opportunity to attain full size without obstruction. Sometimes, cinerarias die off, one by one, and in most cases this can be attributed to overwatering. They will not endure too wet a soil and if they once droop from this cause will never recover, but if they wilt from being too dry, a good watering will immediately bring them back, with perhaps the loss of a leaf or two. Few plants are more troubled with aphids than cinerarias, and a constant watch should be kept for them. Syringe the under sides of the leaves where the insects gather, on bright days, and regular fumigation should be maintained. A layer of tobacco under the plants constantly renewed is a great benefit.

Rambler Roses.

The rose bushes of the rambler varieties that are intended for spring forcing should now be lifted and potted if they have been grown in the open ground. They should then, as well as those that have been grown in pots, be planted in the ground, where they can be subjected to good freezing weather so that the wood can thoroughly ripen. Tie the growths to a stake and keep them upright and away from the ground. If they are left out until heavy freezing commences the pots should be covered with leaves or litter to prevent them from freezing hard enough to break. Those that are wanted for Easter blooming should be

placed in a cool house after the holidays where the night temperature will run quite low, and frequently syringed to soften up the eyes. The soft and weak growths should be cut out and before the eyes begin to break the canes should be tied in the forms in which the plants are to be grown. After the eyes have become well broken out and the leaves begin to form they should be moved into a warmer house but as Easter does not come until April next year, they will not have to be forced as hard as was the case this year. The Baby Ramblers that are intended for Christmas blooming should now be in a house of rose temperature, that is about 60° at night, in a light sunny location, with ventilation on bright days and frequent syringing to keep down red spider.

Poinsettias.

The pot plants of poinsettias should now be starting to make their bracts, and as they have nearly reached their full height, should be tied to their stakes to keep them erect. A small green-painted stake makes by far the neatest appearance. While poinsettias can be grown in a fairly cool house, that is, one that has a night temperature of 50°, yet the bracts will be much smaller than when grown warmer. A house that will hold a night temperature of 60° is the best and will insure fine large heads at the proper time, the holidays. But the main thing is to keep the temperature the same. If they are grown at 60° and the house drops to 55° or 52° for a couple of nights the foliage is sure to drop and unless the even temperature is maintained until the plants are mature they are very apt to have lost a majority of their handsome leaves. A watering with weak liquid manure once a week will increase the size of the head and brighten the color. In selling a poinsettia plant under no circumstances give the customer any idea that they are going to last any length of time, but let them fully understand that they are buying the

**Turn Your Surplus
Stocks Into Cash
By Advertising in the
Ready Reference
Department.**

plant for Christmas and they are getting a great show for their money. A week in the ordinary dwelling is about all this plant will stand and look respectable.

Fern Dishes.

The pretty little fern dishes have attained great popularity in the last few years, notwithstanding the many failures and complaints, and are one of the leading demands of the plantsman from early fall to late spring. Keep a few ready made-up pans and give them a good saleable location where they can be seen. In making them up have a little variety, not all alike, and at different prices to meet the different classes of trade. Make up some of one variety of fern, a pan of *Cyrtomium Falcatum*, so often called Holly fern, is invariably a good seller and gives general satisfaction, and small pans of *asparagus plumosus nanus* are always in demand. Keep a careful watch on the dishes as they come back to be refilled and see which are the better varieties for each individual customer; some varieties seem to be peculiarly adapted to certain locations, and while they do well with one customer, are the first to die with another. A good idea is to keep a memorandum book where the trade will warrant it, writing the dates when the dishes were delivered and when they are returned to be replenished; note the date and the varieties of the ferns which have seemed to succeed the best. Never mind the little complaints, but do all that can be done to keep the customer satisfied. The white china ware, now so much in vogue, is very attractive and with well filled dishes finds ready sale.

Palms.

There is a little let-up now in the work around a greenhouse and the palms should be given a thorough going over, cleaning them up and trimming where necessary, for the demands for rental will soon be on hand. The house in which the plants that are used for decorations are grown should be kept at a little cooler temperature than is the custom by the growers of this line of stock, and they will then withstand the being continually tied up and shipped out during the cold winter weather much better. Now is the time to procure the stock of these plants for the holiday and fall sales, for the growers now have a fine line from which to make a selection, and when the new stock arrives, do not mix it with the stock that is used for rental but make a dividing line and keep the salable plants by themselves or they are sure to get damaged more or less if rented for decorations and the holidays will find them in far from the perfect condition necessary to please the fastidious customer.

WOBURN, MASS.—A fire destroyed the greenhouses of J. Howard at the Lexington and Woburn line October 20. The cause of the fire was unknown.

BANGOR, ME.—A. J. Loder, of Pittsfield, has purchased three greenhouses of Carl Beers, who is closing out his business interest and will move and rebuild them in connection with his plant on Lancey Street.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Decoration of the Grave.

The decorating or lining of the grave is often of considerable importance and at times quite extensive orders are given which require skill and judgment in their execution. When any floral or green work is considered necessary, the least that can be done, and I dare say that more than half of the work is done in this manner, is to line the sides of the grave to the bottom and around the top with branches of hemlock. This is attached to the sides with stout pieces of wire, bent in the shape of hair pins. Com-



White Cattleya Gaskelliana.

Exhibited by J. A. Carbone at San Francisco Show.

mencing at the bottom one spray of green is laid over another until the top is reached. In this way the branches are all turned down and offer no obstruction to the casket as it is being lowered. It is always best to have the box in the bottom first before you begin, as then not so much green, or flowers, if same are used, are required, and if, as it sometimes happens, the box will just go down through the bare earthy walls, you have the work to do all over again.

Like florists and other people grave diggers are not always on time nor are undertakers and I have known cases where the funeral procession was taken a round-about way through the cemetery to enable the diggers to gain time enough to finish their work. The necessary box has also been known to be delivered or reach the ground just a shade before the body, and when the lining either has to be taken out or go to the bottom with the box there is a situation that requires quick and careful handling. In some cemeteries the lining of the grave is considered one of the perquisites. Wire frames are made in sections and covered with hemlock. These fit into the grave and are quickly attached to the

sides and ends. Loose sprays are laid around the top and the soil is covered with other boughs. After the ceremony and the friends have departed, these frames are taken out, the loose green is bundled up and used again and again, as long as it is presentable. Smilax is often used for this purpose where the work is more elaborate, and makes a very graceful lining. The strings are often studded with flowers of various kinds which have to be used rather short so that the blooms shall face to the top, not face toward the bottom, in which manner half their effect would be lost.

The soil, if exposed, should always be covered with green, and in many cases growing palms are used for this purpose. On other portions of the lot and sometimes to mark the avenue or walks leading to it, palms are found necessary. In quite a few cemeteries the soil from the grave is placed in a wooden enclosure or box at the side of the opening, which is then covered with white muslin or cheese cloth. This can also be decorated with green or used to place pieces from the house. Where flowers are used it is a help to have four thin boards mossed that will fit around the top of the grave; these are then filled with flowers and are quickly placed as a finish when the rest of the work is done. The proper arranging of the various pieces sent to the house and which are taken to the cemetery is, or should be, the work of the florist, although it is often done by the funeral director's men or the grave digger. These flowers are taken out the back way the moment the services are over and loaded with as much care as possible; they are then hurried to the cemetery and placed about the open grave to the best advantage. This is work for which a charge should be made, as they are much better handled by the florist and in his wagons than when crowded into funeral hacks. They are also found placed when the cortege arrives, which is much better than having them dumped down any place at the last moment.

K.

Table Suggestions for Holidays.

A tall vase, the center filled with Arum blooms and four bracts of Poinsettia—close to the glass stem place three large bunches of holly berries and up the stem of the vase twine a spray of a small-leaved ivy.

Another suggestion is made of scarlet bouvardias and holly berries finish vase with white flowers of the dwarf Roman hyacinth—scarlet begonia and holly and maiden hair. Bring down four long sprays of creeping fern to trail out on the tablecloth.

Again—scarlet geraniums and camellias are good. Use plenty of maiden hair fern. Opposite each guest place a specimen glass in which place a bouquet made of flowers that will harmonize with the center piece; lily of the valley are good. Floating in the water of the finger bowls put three leaves of the rose geranium, the center of each being pierced with a stem of a blossom of double scarlet geranium so as to allow one flower to rest on each leaf. This can be used effectively where a decoration is to be considered for display purposes.

A. E. K.



CHICAGO FLORISTS' CLUB BANQUET AT THE LA SALLE HOTEL, NOVEMBER 10.

THE LUCAS JEWELL CO.
HOTEL LAMAR
CHICAGO NOV 10 1910

WITH THE GROWERS

Wietor Bros., Chicago.

One of the large wholesale flower concerns that are extensive growers and owners of a large greenhouse plant is that of Wietor Bros. The greenhouses are situated on the northern side of the city at High Ridge in a beautiful location where the firm own a piece of property of 40 acres, and which were it not within the city lim-

another is soon to be added besides these. There are 20 hot water boilers to aid the heating. The arrangement of the houses is of the best. A broad walk extends through the center of the range from house to house, making it very convenient and economical of time and labor.

Stepping into the houses we first come to the American Beauty roses which are in excellent condition, long canes with splendid foliage reaching almost to the glass on both sides of the walk, with a splendid crop prom-

blooms and in extra large quantities for this season of the year. The White Perfections were in grand shape and extra large flowers of splendid substance were to be seen on these plants. Enchantress were fine and Mrs. Lawson, White Lawson and Winsor were in excellent condition. While the past summer has been very hard on the carnation plants in the field, yet these plants have obtained such a good hold on the soil in the houses that they have nearly caught up with their usual growth and are in an exceedingly promising condition for the winter. The varieties grown are:

Mrs. Thomas W. Lawson.....	25,000
Winsor	25,000
Enchantress	25,000
Victory	20,000
White Perfection	18,000
White Lawson	15,000

While the early and midseason chrysanthemum had been cut upon our visit yet the late ones were splendid samples of the stock which had been produced. The W. H. Chadwicks, Golden Chadwicks and Nagoyas were of splendid quality, one house containing these varieties being a beautiful sight with some beautiful stock for the Thanksgiving trade. There are grown in all 60,000 chrysanthemum plants and are marketed from 75,000 to 85,000 blooms. Besides the varieties mentioned others grown are Golden Glow, Monrovia, Early Snow, October Frost, Ivory, Timothy Eaton and other commercial va-



CHRYSANTHEMUMS AT WIETOR BROS., CHICAGO.



PARTIAL VIEW OF WIETOR BROS. GREENHOUSES, CHICAGO.

its might properly be called a farm but the farming or at least the cultivation is carried on under glass. Starting in 1893 the two brothers who comprise the firm—Henry and N. J. Wietor—have enlarged and added to the original plant until now their glass area aggregates 800,000 square feet, consisting of 25 houses 27x125 feet, 45 houses 27x260 feet and eight houses 33x300 feet. The houses are all in fine condition and producing a very high grade stock of roses, carnations and chrysanthemums which they make their specialties. The houses are built on the ridge and furrow plan with Garland gutters and Moninger construction and furnished throughout with Evans Challenge ventilating apparatus. The plant is divided into sections and the illustration which we publish shows but a part of their immense plant. Having been enlarged by gradual additions there are five different boiler houses in which are installed six Superior steam boilers and

used for the holiday season and the cut at present is of elegant quality and fine color. Next come the Killarneys, and it is a sight to see the splendid foliage that is breaking upon some of the houses of that beautiful healthy high color which betokens vigorous growth and great promise. The houses that are in crop are bearing an extra fine grade with long stems and luxuriant foliage and excellent color. Richmonds are in fine shape and good cut. The quantities of the several varieties of roses grown is as follows:

American Beauty	50,000
Killarney	25,000
White Killarney	20,000
Richmond	15,000
Mrs. Jardine	15,000
Bride	9,000
Uncle John	8,000
Kaiserin	5,000
Bridesmaid	2,500

To the east of the large range are the carnation houses and the plants are in splendid condition and producing fine

varieties. Houses of asparagus both sprengeri and plumosus were in good shape and yielding finely.

The large estate upon which these houses are built and which the firm owns enables them to solve a difficult problem for many large growers for they are able to procure the necessary sod for their houses on their own property. This is cut and stacked, mixed with the manure a year in advance and large heaps of compost are seen handy to the houses on every side for next year's renewal. The old soil as soon as removed from the houses is again spread where the sod is cut off and sown to grass seed and in four years on this strong land will grow a sufficiently heavy sod to be again cut for use.

The houses are in charge of Henry Wietor and with his foreman, James Psenicka, who courteously escorted us around the large plant, can feel justly proud of the fine condition in which

we found everything connected with the place. The crop is marketed at the store at 51 Wabash avenue, where the popular Nick Wiator, as he is known to the trade, with the assistance of his able manager, C. A. Alles, carefully look out for the customer's interest in the handling of the large amount of stock so splendidly grown at this establishment.

Godfrey Aschmann, Philadelphia, Pa.

It has been said that some people travel much and see but little but such is not the case with Godfrey Aschmann. His astute mind and buoyant spirits enable him to take a wide and comprehensive view. Having recently returned from an extended tour of Europe, he tells interestingly of what he saw there. He also kept a diary of his travels and its various entries show that his observant eye took in about all that was worth seeing. His trip, however, was not wholly one of pleasure, as a recent visit to his range disclosed. His place is now finely stocked with the leading specialties in the plant line that have made his name famous in the trade.

THE FALL EXHIBITIONS

The Chicago Show.

On Thursday, the fourth day of the Chicago Show, the chrysanthemum seedlings were the attraction and while no really startling new varieties were shown, fine novelties that look promising were shown by Elmer D. Smith & Co., of Adrian, Mich., E. G. Hill & Co., of Richmond, Ind., and H. W. Buckbee, of Rockford. There are so many very beautiful varieties now grown in all the different classes and colors that the production of a new variety of midseason time of blooming that is a marked advance in many of the different qualifications, is exceptional, and to produce a novelty that is an improvement in any one of the different characteristics is to be commended. In the white seedlings, E. G. Hill & Co. showed Debutante, a beautiful large Japanese incurved pure white with a beautiful lustre upon the petals and with fine foliage and stem

that won first prize. Elmer D. Smith & Co. exhibited Poughkeepsie, an immense cream white of the Timothy Eaton style, which will make a valuable addition to the exhibition class of blooms, but with too long a stem devoid of foliage to figure as a commercial flower. For dark yellow, E. D. Smith & Co. was first with Roman Gold, a large deep compact golden yellow Japanese, the crown buds made a perfect gold ball but the terminals looked as if unless well grown that they would show an eye in the centre. E. G. Hill Co. showed Golden Gem, which looks as if it might prove true to its name as a commercial variety, but lacks size for an exhibition bloom. In class 147 for light pink, E. D. Smith & Co. won first with a fine large Japanese incurved No. 512-7-08. These were beautiful blooms of day-break pink shade of large size with fine petalage and foliage. This firm also showed No. 340-2-08, a large light pink shading to white on the lower petals and to deeper pink in the center, making a very handsome flower. H. W. Buckbee showed three varieties in the dark pink class, all of which shaded toward the magenta marked F. C. & B., the former carrying off the honors. This was a finely built flower, very full and will make a good exhibition bloom. C. was also a well built dark pink flower. In the class for any other color, H. W. Buckbee showed two marked E. and G., the former a Japanese reflexed variety of reddish bronze and the latter a beautiful buff or chamois color with straight ray petals of good depth, making a very showy flower. This variety was awarded the sweepstake prize, a silver cup for the best seedling chrysanthemum at the show.

In the seedling carnations the exhibit though not large had some very fine promising varieties which were noted, the Mount Greenwood Cemetery association had two No. 2807A, a very large dark crimson, winner of the sweepstake prize, and Greenwood, a



HOUSE OF KILLARNEY ROSES AT WIATOR BROS., CHICAGO.

He speaks of the scarcity of good azaleas on the other side this season, but he managed to secure a very attractive stock.

Though Mr. Aschmann is widely known as an importer, it must not be overlooked that he is also a good grower. One of the very notable features of his range at present is a large lot of Begonia Gloire de Lorraine, all in splendid condition. His houses of araucarias are alone well worth the time spent in making a visit to his range. His great stock and variety of ferns are certainly of the quality that the people want, for during a brief stay with him we were much impressed with the rapidity of packing and shipping. Express wagons were coming and going and the whole force was working like beavers. The great stock of palms, rubber plants, dracenas, primroses and small ferns for dishes are also very striking features. In conclusion it may be stated that it is always pleasing to visit Mr. Aschmann and his entertaining and instructive conversation makes time fly rapidly and pleasantly.



WHITE PERFECTION CARNATIONS AT WIATOR BROS., CHICAGO.

light pink, and E. G. Hill Co.'s scarlet, Mrs. Beckwith, looked promising. The two new roses, Rose Queen and Sunburst, exhibited by the latter concern, were the centre of an admiring group throughout the show. The six vases of lily of the valley, exhibited by Poehlmann Bros. Co., were superb.

In one corner of the hall was a display made by the University of Illinois, illustrating the work that is being done in landscape gardening, and in front of these illustrations was the educational exhibit prepared for the

The table decorations, which for many years have been a great feature of the Chicago shows, were not arranged by the retailers to the extent that they have been in former years, and this lack of interest was very much noticed and commented upon by the spectators who have annually visited the exhibitions. There were but three florists who arranged tables, Schiller the Florist, The A. T. Hey Floral Co., of Maywood, and The Geo. Wittbold Co. One very beautiful table by the latter concern was arranged

valley, a very handsome vase of roses in the centre, with six smaller vases of roses and lily of the valley. The corsage of the latter flower and the boutonnieres of a single Richmond rose. The A. T. Hey Floral Co. arranged their table with lily of the valley and adiantum ferns, which was very simple and neat. Both the Schiller and Wittbold booths in which the tables were arranged were further decorated with fine palms and decorative plants and large vases of chrysanthemums.

The manager, George Asmus, and the



POEHLMANN BROS. CO.'S FIRST PRIZE LILY-OF THE VALLEY AT THE CHICAGO SHOW.

Horticultural Society of Chicago by H. J. Stockmans, which consisted of two models of gardens, each with its own cottage with walks and lawns planted to shrubbery, one arranged with tennis court in the rear and the other with a vegetable garden.

with orchids and adiantum, a vase of phalaenopsis in the centre, around which were four smaller vases of cattleyas. The corsages were of gardenias and phalaenopsis and the boutonnieres of gardenias. The Schiller table was of Richmond roses and lily of the

secretary, J. H. Burdett, have had their hands full all the week, but have maintained a bright, cheerful smile throughout all their hustling hard work and have been ably assisted by the following executive committee: J. C. Vaughan, Charles A. Samuelson,



POEHLMANN BROS. CO.'S FIRST PRIZE VASE OF MY MARYLAND ROSES, AT THE CHICAGO SHOW



BASSETT & WASHBURN'S FIRST PRIZE VASE OF 100 AMERICAN BEAUTY ROSES AT THE CHICAGO SHOW.

C. Cropp, J. B. Deamud, R. J. Haight, E. A. Kanst, August Poehlmann, W. N. Rudd and the officers of the society.

The lectures which were delivered during the week were very well attended and enjoyed and the spectators were ably entertained and instructed by the several lecturers who thoroughly handled their subjects, and the stereopticon views with which they were illustrated were a pleasing addition to the show. The following is the programme of the lectures and the subjects which were delivered: Prof. H. B. Dorner, professor of Floriculture, University of Illinois, "What Illinois is doing for the Florists," Tuesday evening; Jens Jensen, on "Native Trees and Shrubs for the Home Gardens," Wednesday evening; John J. Davis, "Insect Pests," Thursday afternoon; Howard Evarts Weed, "The Ornamentation of the City Lot," Thursday evening; Mrs. A. R. McCrea, "Landscape Gardening," Friday afternoon; Prof. J. C. Blair, chief of Department of Horticulture, University of Illinois, "Ornamental Gardening," Friday evening; J. H. Prost, "Tree Planting," Saturday afternoon; Dr. Frank Johnson, "Pruning Trees and Shrubs," Saturday evening.

The banquet held Tuesday evening by the Florists' Club, complimentary to the many visitors to the Flower Show, was a very enjoyable affair. Nearly two hundred sat down to the tables in the Red Room at Hotel La Salle and

after enjoying a bountiful repast were entertained by songs and speeches.

The awards of the last days are given herewith.

Carnations.

Best 50 blooms White Lawson—Poehlmann Bros. Co., first.

Best 50 blooms White Enchantress—Northwestern Floral Co., first; C. C. Pollworth Co., second.

Best 50 blooms White Perfection—Northwestern Floral Co., first; Poehlmann Bros. Co., second.

Best 50 blooms any other white—Mount Greenwood Cemetery Association, first.

Best 50 blooms Victory—Northwestern Floral Co., first; C. C. Pollworth Co., second.

Best 50 blooms O. P. Bassett—Bassett & Washburn, first; J. A. Budlong, second.

Best 50 blooms Beacon—C. C. Pollworth Co., first; Desplaines Floral Co., second.

Best 50 blooms Winsor—Bassett & Washburn, first; Chicago Carnation Co., second.

Best 50 blooms Enchantress—Wellsworth Farm Greenhouses, first; Northwestern Floral Co., second.

Best 50 blooms Mrs. Thos. W. Lawson—Poehlmann Bros. Co., first; J. A. Budlong, second.

Best 50 blooms Afterglow—Mount Greenwood Cemetery Association, first; Chicago Carnation Co., second.

Best 50 blooms any other pink, Flesh Pink Class—Chicago Carnation Co., first; Desplaines Floral Co., second.

Best 50 blooms any other pink, Light Pink Class—Poehlmann Bros. Co., first; Chicago Carnation Co., second.

Best 50 blooms any other pink, Dark Pink Class—Poehlmann Bros. Co., first; Chicago Carnation Co., second.

Best 50 blooms, Introduction of 1910, Flesh Pink Class—Poehlmann Bros. Co., first; Poehlmann Bros. Co., second.

Best 50 blooms, Introduction of 1910, Light Pink Class—Chicago Carnation Co., first; Desplaines Floral Co., second.

Best 50 blooms Introduction of 1910, Dark Pink Class—Poehlmann Bros. Co., first.

Best 50 blooms red, Introduction of 1910—Chicago Carnation Co., first; Poehlmann Bros. Co., second.

Best 50 blooms any other color, Introduction of 1910—Chicago Carnation Co., first.

Best 100 blooms, white—Northwestern Floral Co., first; Poehlmann Bros. Co., second; C. C. Pollworth Co., third.

Best 100 blooms, pink, Flesh Pink Class—Northwestern Floral Co., first; Chicago Carnation Co., second; J. A. Budlong, third.

Best 100 blooms, pink, Light Pink Class—Chicago Carnation Co., first; Poehlmann Bros. Co., second; J. A. Budlong, third.

Best 100 blooms, pink, Dark Pink Class—Chicago Carnation Co., first; J. A. Budlong, second; Poehlmann Bros. Co., third.

Best 100 blooms, red—Bassett & Washburn, first; Northwestern Floral Co., second; Wellsworth Farm Greenhouse, third.

Best white seedling 20 blooms—Chas. Knopf Floral Co., bronze medal.

Best red 20 blooms—E. G. Hill & Co., bronze medal.

Best flesh pink 20 blooms—Mount Greenwood Cemetery Association, bronze medal.

Best 20 blooms any other color—Mount Greenwood Cemetery Association, bronze medal.

Sweepstakes. Best seedling carnation, excluding varieties as have been exhibited previous to this season, silver cup—Mount Greenwood Cemetery Association.

Best display not less than 800 blooms single violets—Gustav Swenson, first.

Best display of 500 blooms lily of the valley—Poehlmann Bros. Co., first.

Best display Lilium Harrisii, not less than 100 bloom—Poehlmann Bros. Co., first.

Private Gardeners' Exhibit.

Best 10 geraniums in not over 10-inch pots—Robt. Mueller, first; John Cook, second.

Best palm—E. G. Uihlein, first; John Cook, second.

Best crotch—John Cook, first; Robt. Mueller, second.

Best dracaena—E. G. Uihlein, first; John Cook, second.

Best pandanus—John Cook, first; E. G. Uihlein, second; Robt. Mueller, third.

Best decorative plant other than above—E. G. Uihlein, first; Peter Schilt, second.

Best Boston fern or its sport—Peter Schilt, first; John Cook, second.

Best flowering plant, orchids and chrysanthemums excluded—Robt. Mueller, first; John Sahl, second.



GENERAL VIEW OF MINNEAPOLIS FLOWER SHOW.

Best five foliage plants, five varieties, not over 12-inch pots—John Cook, first; Robt. Mueller, second.

Best grafted specimen plant, except chrysanthemums—E. G. Uihlein, first.

Best novel or rare plant—Julius Rosenwald, first; John Cook, second.

Best specimen chrysanthemum plant—Robt. Mueller, first; Mrs. H. B. Crowell, second.

Best standard chrysanthemum—Robt. Mueller, first.

Best half-standard chrysanthemum—Robt. Mueller, first.

Best 12 blooms, yellow chrysanthemum—Peter Schilt, first; E. M. Barton, second.

Best 12 blooms, pink—E. M. Barton, first.

Best 12 blooms, any other color—E. M. Barton, first; E. M. Barton, second.

New Chrysanthemums.

Six blooms, white, one variety—E. G. Hill Co., bronze medal.

Six blooms, yellow, one variety, darker than Major Bonaffon—Elmer D. Smith & Co., bronze medal.

Six blooms, pink, one variety, lighter than Vivland Morel—Elmer D. Smith & Co., bronze medal.

Six blooms, pink, one variety, not lighter than Vivland Morel—H. W. Buckbee, bronze medal.

Six blooms, any other color, one variety—H. W. Buckbee, bronze medal.

Sweepstakes. Best seedling chrysanthemums entered in above classes, excluding such varieties as have been exhibited previous to this season, a silver cup—H. W. Buckbee.

Additional Visitors.

Harry Balsey, Detroit, Mich.
H. E. Kidder, Ionia, Mich.
A. Kinyon, South Bend, Ind.
Chas. Kinyon, South Bend, Ind.
O. W. Liebenthal, Jr., Peoria, Ill.
Albert Lies, Niles Center, Ill.
Chas. Loveridge, wife and daughter, Peoria.
Robert Lundstrom, Sterling, Ill.
Jos. L. Meuler, Streator, Ill.
P. G. Pearson, Moline, Ill.
Thos. Pepperdine, Chas. Worth, Ill.
A. F. Perring, Onarga, Ill.
Wallace R. Pierson, Cromwell, Can.
I. H. Pillsbury, Galesburg, Ill.
A. T. Pyfer, Joliet, Ill.
Miss Risser, Onarga, Ill.
Mrs. L. J. Risser, Onarga, Ill.
J. H. Rohmer, Princeton, Ill.
L. C. Shearer and wife, Rockford, Ill.
H. B. Smith, Indianapolis, Ind.
H. B. Smith, Danville, Ill.
Joseph Smith, Danville, Ill.
Harry A. Wood, South Bend, Ind.

St. Louis Horticultural Society.

The feature of the second day of the exhibition was the grand display of carnations and baskets of carnations and cut blooms of chrysanthemums. The third was the banner day of the show, the principal feature being the grand display of roses made by Poehlmann Bros. of Chicago. Richard Sahn is deserving of all the praise that can be given him for the admirable staging of the beautiful roses. The exhibits of violets, bridal bouquets were also displayed on this day. On Friday, the fourth day the features were the baskets of roses and the floral arrangements. The following awards were made on the last three days:

Best display of carnations one or more varieties attractively displayed either cut blooms, plants or both, accessories not permissible—The E. G. Hill Co., first.

Thirty American Beauty roses—Koenig Floral Co., first.

Basket of carnations—Metropolitan Floral Co., first; C. Young & Sons Co., second.

100 roses arranged for effect, any variety—Koenig Floral Co., first.

Twenty-five blooms white chrysanthemums, one variety—The E. G. Hill Co., first; Hy. Johann & Son, second; W. J. & M. S. Vesey, third.

Twenty-five blooms, yellow, one variety—The E. G. Hill Co., first; W. J. & M. S. Vesey, second; F. H. Meinhardt, third.

Twenty-five blooms of any other color—Koenig Floral Co., first; The E. G. Hill Co., second; F. H. Meinhardt, third.

Fifty blooms not less than 20 varieties, short stem (moss back)—Elmer D. Smith & Co., first; The E. G. Hill Co., second.

Mrs. I. W. Morton prize, 50 blooms, white carnations—E. G. Hill Co., first; J. E. Meinhardt, second; Oakland Floral Co., third.

Schroeter Bros. Hardware Co. prize, 50 blooms, light pink carnations—E. G. Hill Co., first; Oakland Floral Co., second; J. E. Meinhardt, third.

Chas. Gerber prize, 50 blooms, dark pink carnations—Oakland Floral Co., first; J. E. Meinhardt, second.

Mrs. Wm. E. Guy prize, 50 blooms, red carnations—J. E. Meinhardt, first; E. G. Hill Co., second.

St. Louis Seed Co. prize, display of 1,000 violets, accessories admissible—C. Young & Sons Co., first; Metropolitan Floral Co., second.

Dr. Enno Sander prize, bridal bouquet, accessories admissible—C. Young & Sons Co., first; Metropolitan Floral Co., second.

One hundred blooms chrysanthemums, any color—E. G. Hill Co., first.

Best display of cut roses, one or more varieties attractively displayed, accessories not permissible—Poehlmann Bros. Co., \$500 prize.

Fifty chrysanthemums arranged for effect, any variety—Metropolitan Floral Co., first; Hy. Emmonds, second.

Certificates of merit were awarded to E. G. Hill Co. for new roses Rose Queen and Sunburst.

Mrs. E. Medart prize, 50 Richmond roses—Poehlmann Bros. Co., first.

Edward Mallinckrodt prize, 50 Killarneys—Poehlmann Bros. Co., first.

Mrs. Edward Mallinckrodt prize, 50 White Killarneys—Poehlmann Bros. Co., first.

Fifty any other variety roses—Poehlmann Bros. Co., first.

Basket of roses—Metropolitan Floral Co., first; C. Young & Sons Co., second.

Floral basket—Metropolitan Floral Co., first; C. Young & Sons Co., second.

Mrs. R. Mc. K. Jones prize, display of pompons, anemones and single varieties chrysanthemums—E. G. Hill Co., first; Koenig Floral Co., second.

Floral display, not less than four pieces—C. Young & Sons Co., first.

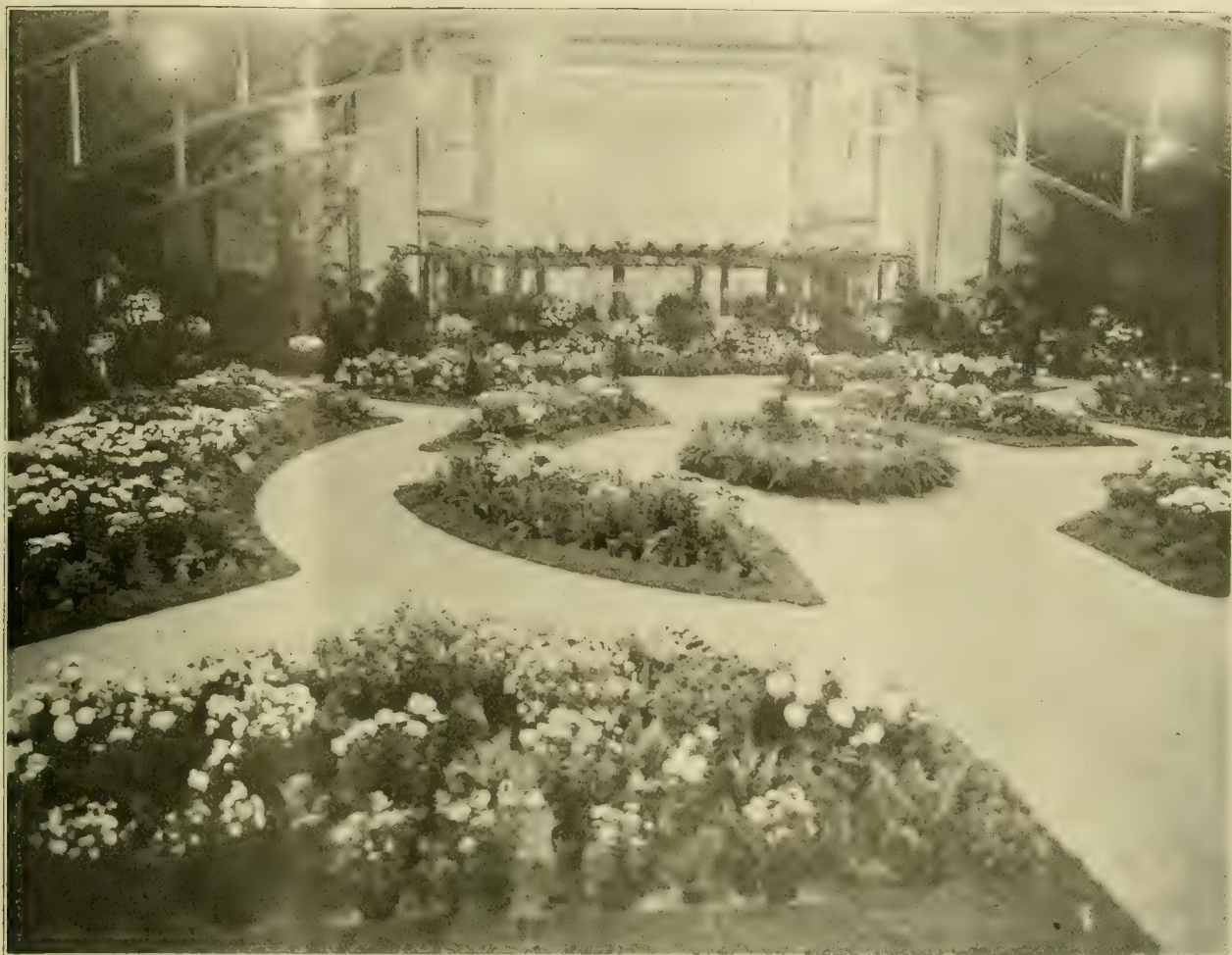
Visitors:—Will Schmaus, Paducah, Ky.; J. E. Meinhardt, Webb City, Mo.; Mrs. R. S. Estill, Moberly, Mo.; P. Ellings, Adrian, Mich.; Jos. Hill, Richmond, Ind.; M. F. Widmer, Highland, Ill.; J. F. Ammann, Edwardsville, Ill.; H. Johann, Collinsville, Ill.; H. Emmonds, Bellevue, Mo.; G. W. Grossart, Bellevue, Ill.; A. G. Fehr, Bellevue, Ill.; Richard Sahn, Chicago; I. O. Kemble, Marshalltown, Ia.; Henry Stein, Dick Takin, H. Blixen, E. W. Gery, Wm. Ogel, W. T. Halsted.

Milwaukee Flower Show.

The annual flower show held by the Milwaukee Florists' Club on Nov. 9-15 at the Auditorium was beautiful and a financial success. The hall was laid out in the order of a forest scene decorated with southern smilax, magnolias and evergreen trees. The executive committee worked day and night to complete everything and much praise is due them for their work and ability. The stage was banked with foliage and on each side were evergreen trees, and in the center a rustic bridge with a rivulet under the same. On the west end was a water-fall about twenty feet high leading to the rivulet and winding its course through the hall.

A feature which attracted much attention was an exhibit of plants, Celosia, Pride of Castle Gould, being the most attractive, by Julius Roehrs Co., of Rutherford, N. J.

The executive committee in charge of the show were H. V. Hunkel, C. C. Pollworth, Nic. Zweifel, J. G. Heitman, W. C. Zimmermann, A. Leidiger, Gus Kellner and O. Dallwig. Much credit is due



GENERAL VIEW OF BUFFALO FLOWER SHOW.

Aug. F. Kellner for his decorative ability and in arranging such a beautiful and artistic display. The judges were J. E. Matthewson, Sheboygan; Edw. Amerpohl, Janesville, and Otto A. Spedel, Oconomowoc.

Following are the awards in addition to those previously published:

Best display double violets, 500 blooms.—Loeffler & Benke, first; Albert Loeffler, second.

Best display of lily of the valley.—Poehlmann Bros. Co., first; Holton & Hunkel Co., second.

Best display of 50 lilies.—C. C. Pollworth Co., first; Heitman & Baerman, second.

Best display of snapdragon.—Mueller & Schroeder Co., first; Gus Pohl, second.

Best six cibotium Schiedei.—Aug. Kellner, first; C. C. Pollworth Co., second.

Best collection of ferns, 15 varieties.—A. Kellner, first; C. C. Pollworth Co., second; Currie Bros., third.

Best group of Boston ferns.—C. C. Pollworth Co., first; Holton & Hunkel Co., second.

Best group sports of Boston fern.—Holton & Hunkel Co., first; C. C. Pollworth Co., second; Currie Bros. Co., third.

Best group of palms.—Edlefsen-Leidiger Co., first; Holton & Hunkel Co., second; A. Kellner, third.

Best group of decorative plants, arranged for effect.—Currie Bros. Co., first; Edlefsen-Leidiger Co., second; A. Kellner Co., third.

Best specimen kentia.—Edlefsen-Leidiger Co., first.

Best specimen latania.—Theo. Boettcher, first.

Best group of araucaria.—Holton & Hunkel Co., first; Edlefsen-Leidiger Co., second.

Best 10 plants, begonia Gloire de Lorraine, or sports.—C. C. Pollworth Co., first; Jacob Freytag, second.

Best 10 plants, Primula Obconica.—Otto Eggebrecht, first; Thos. Griebler, second.

Best display of geraniums.—Otto Eggebrecht, first; Heitman & Baerman, second; Thos. Griebler, third.

Best five cannas, 1 variety.—Aug. Kellner Co., first.

Best hanging basket flowering plants.—C. C. Pollworth Co., first; Aug. Kellner Co., second.

Best hanging basket without flowering plants.—C. C. Pollworth Co., first; Aug. Kellner Co., second.

Best 10 cyclamen.—Fox Point Floral Co., first; C. F. Kitzrow, second; J. C. Rost, third.

Best 100 blooms, white carnations.—C. C. Pollworth Co., first; Poehlmann Bros., second; N. Zweifel, third.

Best 100 blooms, light pink.—Muehler & Schroeder, first; A. Isroth, second; Manke Bros., third.

Best 100 blooms, pink, Winsor shade.—N. Zweifel, first.

Best 100 blooms, dark pink.—N. Zweifel, first.

Best 100 blooms, red.—C. C. Pollworth, first.

Best 100 blooms, sweepstake.—C. C. Pollworth Co., silver cup.

Best 50 blooms, White Perfection.—C. C. Pollworth Co., first; N. Zweifel, second; Mueller & Schroeder, third.

Best 50 blooms, White Enchantress.—C. C. Pollworth Co., first; Chicago Carnation Co., second; Manke Bros., third.

Best 50 blooms, any other white.—C. C. Pollworth, first; N. Zweifel, second.

Best 50 blooms, Victory.—C. C. Pollworth, first; Chicago Carnation Co., second; N. Zweifel, third.

Best 50 blooms, Beacon.—Manke Bros., first; Nic Zweifel, second; C. C. Pollworth, third.

Best 50 blooms, O. P. Bassett.—Mueller & Schroeder, first; C. C. Pollworth, second.

Best 50 blooms, Enchantress.—Mueller & Schroeder, first; Manke Bros., second; Nic Zweifel, third.

Best 50 blooms, Winsor.—Nic Zweifel, first; C. C. Pollworth, second.

Best 50 blooms, Mrs. T. W. Lawson.—Manke Bros., first; W. Hellwig, second.

Best 50 blooms, any other pink.—C. C. Pollworth, first; Nic Zweifel, second; Mueller & Schroeder, third.

Best 50 blooms, yellow or variegated on yellow ground.—C. C. Pollworth, second.

Best 50 blooms, white, introduction 1910.—C. C. Pollworth, first.

Best 50 blooms, pink, Winsor shade, introduction 1910.—Nic Zweifel, first; C. C. Pollworth, second.

Best 50 American Beauty roses.—Poehlmann Bros. Co., first; Holton & Hunkel Co., second.

Best 50 Richmond.—Poehlmann Bros. Co., first.

Best 50 Killarney.—Holton & Hunkel Co., first; Poehlmann Bros. Co., second.

Best 50 Kaiserin Augusta Victoria.—Holton & Hunkel Co., first.

Best 50 Perles.—Poehlmann Bros. Co., first; C. C. Pollworth Co., second; Holton & Hunkel Co., third.

Best 50 any other variety.—Poehlmann Bros. Co., first.

Best 50 White Killarney.—Holton & Hunkel Co., first.

Best 25 Richmond.—Poehlmann Bros. Co., first; C. C. Pollworth Co., second.

Best 25 Brides.—Holton & Hunkel Co., first.

Best 25 White Killarney.—C. C. Pollworth Co., first; Holton & Hunkel Co., second; Poehlmann Bros. Co., third.

Best 25 Killarney.—C. C. Pollworth Co., first; Holton & Hunkel Co., second; Poehlmann Bros. Co., third.

Best 25 Kaiserin Augusta Victoria.—C. C. Pollworth Co., first.

Best 25 any other variety.—Poehlmann Bros. Co., first.

Honorable mentions were awarded Ferd C. Kaiser, bed of begonia Erfordi with an acalypha border; Chas. F. Kitzrow, primula grandiflora; J. C. Rost, oranges, araucarias and Boston ferns; Walter H. Hummel Co., callas and other plants; Chicago Carnation Co., carnations Washington; Fox Point Floral Co., group of cyclamen; Aug. F. Kellner, group of decorative plants; Burlington Floral Co., vase of Major Bonaffon chrysanthemums; Julius Roehrs Co., Rutherford, N. J., group of ornamental plants; J. A. Peterson, Cincinnati, O., Glory of Cincinnati begonia; Mueller & Schroeder, snapdragon; Burlington Floral Co., vases of White Enchantress and Enchantress carnations; H. W. Koerner, trees, shrubbery, perennials, gladioli and dahlias; Wm. Eschrich, trees and shrubbery.

G. R.

Dobb's Ferry Horticultural Society.

The Dobbs Ferry Horticultural Society held their eleventh annual flower show on November 4-5, at the Town Hall. It was one of the best in the existence of the association and great credit is due the exhibitors, as this section has had no rain in five months and all of the exhibits were first class in every respect, there being about 120 exhibits staged. The following are the winners of prizes:

H. Kastberg, 5 firsts, 7 seconds; H. Kelling, 5 firsts, 3 seconds; C. Wilson, 2 firsts, 1 second; J. Canning, 3 firsts, 1 second; M. Hayes, 1 first, 4 seconds; J. Bradley, 5 firsts, 2 seconds; J. Goff, 4 firsts; F. A. Lea, 5 seconds; Wm. Hutching, 1 first, 1 second; C. Kurkevich, 1 first, 1 second; D. Macrea, 2 firsts, 5 seconds; H. Holgerson, 2 firsts; F. Flanagan, 2 firsts, 4 seconds; H. Jordan, 3 firsts, 1 second; E. Kain, 3 seconds; J. Schreiber, 5 firsts, 1 second; J. Thomas, 1 second; Mrs. Wm. Pallen, 1 first; R. Borham, certificate of merit.

H. HARMS.

THE AMERICAN FLORIST

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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DR W. VAN FLEET lately located at the Department of Agriculture Experiment Station at Chico, Cal., has been transferred to similar work in Washington, D. C.

WE go to press on Tuesday next week, one day earlier than usual, on account of Thanksgiving. Advertisers and correspondents will oblige by mailing their copy accordingly.

THE general press has given much space to the flower shows throughout the country this season. It is the duty of the trade to help the newspaper writers with reliable information at all times.

College Floral Designs.

During the short course in floriculture at the Massachusetts Agricultural College, Amherst, a designer from Thos. F. Galvin, Inc., Boston, will give a lecture-demonstration on design making. This will be followed by a series of afternoon exercises in making up.

THE GOOD & REESE Co., Springfield, O., are offering half a million hardy phlox, another indication of the great popularity of these plants.

Chrysanthemum Society of America.

WORK OF EXAMINING COMMITTEES.

Chicago, November 12.—Elmer D. Smith & Co., Adrian, Mich., exhibited Poughkeepsie white incurved, scored 85 points exhibition scale; Roman Gold, yellow incurved, scored 87 points, commercial scale; No. 340-2 light pink incurved, scored 86 points, commercial scale; No. 130-22, pink incurved, scored 89 points, commercial scale; No. 512-7, pink incurved, scored 87 points, commercial scale.

Cincinnati, O., November 5.—Roman Gold, yellow incurved, scored 87 points, exhibition scale; 88 points, commercial scale, exhibited by Elmer D. Smith & Co., Adrian, Mich. Hoosier Maid, white Japanese incurved, scored 82 points, commercial scale, exhibited by H. W. Rieman, Indianapolis, Ind. November 12—Gerald Haschke, crimson overlaid, dark maroon, reflexed Japanese, scored 80 points, commercial scale, exhibited by Mrs. B. Haschke, Dayton, O.

New York, November 9.—Driftwood, light yellow Japanese, scored 85 points, exhibition scale, exhibited by Thomas Atchinson, Mamaroneck, N. Y.

Experiment Stations and Horticulture.

Commenting upon the paper by W. N. Rudd on the "Value of the Experiment Stations to Ornamental Horticulture" which was read before the Society of American Florists at Rochester, N. Y., August, 1910, and printed in THE AMERICAN FLORIST issue of October 15, page 569, the following have been received:

I have read with interest the paper by W. N. Rudd which was published in THE AMERICAN FLORIST in the issue of October 15. This should receive the earnest consideration of all florists. As we wrote you some time ago at your request, we have already taken up investigations with carnations and roses; this is now our third season and we have a considerable amount of material but have decided not to publish anything until we can add another season's results to those already secured. We have secured excellent results with chemical fertilizers entirely. One experiment with the variety My Maryland, is being conducted for the second year with the same soil and the same plants. Several of our prominent florists have visited us recently. Our investigations with carnations have been largely studies of the physical character of the soil. During the past year we have fumigated a number of commercial houses with cyanide of potassium and have started a co-operative fertilizer experiment with one of our prominent florists.

The greenhouse space which is available for investigations here is quite limited. We can carry out work which we think will be of considerable value, but results could be secured in a much shorter space of time if we had the proper greenhouse equipment and the funds to carry on the work. We have not attempted to secure an appropriation for greenhouses especially planned for experimental work. We have felt that it would be better to first accomplish something of value in order

to assist in securing such appropriations at some future time.

W. A. BLAKE.

New Brunswick, N. J.

I have carefully read the paper by W. N. Rudd, which was published in THE AMERICAN FLORIST in the issue of October 15, and consider it one which should interest every experiment station in the country. There is no doubt whatever about experimental work in floriculture having been neglected at most of our stations. There is also no doubt about the universal desire to take up research work in floriculture. Then, what is the trouble? Lack of funds in nearly all cases. It takes money to build greenhouses, to employ experts and to conduct experiments. The men who are most directly interested must get busy and see that funds are forthcoming for this work. Pennsylvania is justly scored in the article by Mr. Rudd. Our state college is eager to do everything the florists want done. We have planned for extensive greenhouses and part of the range has been constructed, two greenhouses each 30x100 feet in size and a head-house or greenhouse laboratory 25x72 feet in size. This equipment, which is merely a start of the more extensive range, is devoted exclusively to student work. There are thirty-two students in vegetable forcing who are engaged in the growing of tomatoes, radishes and lettuce. With the beginning of the next year the experimental work in floriculture will run throughout the college year. The course will consist of lectures and laboratory work which will require the attention of the student at the greenhouse every day. In this kind of organized class work we hope to give most thorough technical and practical work in floriculture.

With the extension of this range of houses it is planned to take up experimental work in floriculture on a broad and comprehensive scale. Plans for the next legislative campaign have not been completed but it is highly probable that the bill will ask for aid for this purpose. The management of the college well realizes that the floricultural interests in Pennsylvania are very great and we have reason to believe that their interests will be looked after at State College.

B. L. WATTS.

State College, Pa.

The Boskoop Exhibition.

The exhibition of famed shrubs and perennials, which will be held in April, 1911, has met with very good support, and will in its extent and importance fairly surpass all the committee's expectations. His Royal Highness, Prince Henry, has consented to become a patron of the exhibition and the Royal family have promised several medals. The hundreds of exhibits will require much more space than we expected at first, so that the space occupied by the exhibition will be at least 3,400 square meters. There will be exhibits in almost every class. The number of novelties amounts already to 77. One can therefore easily understand that Boskoop is working with enthusiasm and that everything possible will be done to make the exhibition one of the most successful that has ever taken place in Holland.

C. PH. MOERLAND, Sec'y.

Meetings Next Week.

Detroit, Mich., November 21, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., November 21.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., November 25, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., November 21, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New London, Conn., November 23.—New London County Horticultural Society, Elks' hall.

Providence, R. I., November 21, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Toledo, O., November 23.—Toledo Florists' Club.

Winnipeg, Man., November 22.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced seedsman; steady position. Address
Key 226, care American Florist.

Situation Wanted—As decorator and retail salesman; have good position but wish to change location by Dec. 1.
Key 219, care American Florist.

Situation Wanted—By first class designer, decorator and salesman, in Chicago; 14 years' experience; good references to show.
Key 218, care American Florist.

Situation Wanted—As foreman to take charge of commercial place in or near Chicago preferred; thoroughly qualified in all departments with highest references.
Key 232, care American Florist.

Situation Wanted—By December 1 as working foreman; German, married; 35 years old, with 21 years' experience in growing cut flowers and general stock; thoroughly sober and reliable; southern or middle state preferred. Address
CH. HAMMERMAN, Porter Vale, Ga.

Situation Wanted—In up-to-date flower shop in New York city; young lady, five years' experience good designer and decorator excellent saleswoman, pleasing appearance and splendid address; capable of handling the most exclusive trade.
Key 343, care American Florist.

Help Wanted—Two rose growers. Apply at greenhouses.
BASSETT & WASHBURN,
Hinsdale, Ill.

Help Wanted—A rose grower for section; state wages expected.
Key 341, care American Florist.

Help Wanted—Girl for flower store in Chicago, evenings. Good wages. Address
Key 237, care American Florist.

Help Wanted—Young man to work in green houses who has had some experience in decorating.
ELI CROSS
25 Monroe St., Grand Rapids, Mich.

Help Wanted—A man to grow vegetable plants and take care of a small greenhouse. Will pay \$40 per month.
A. A. ST. GERMAIN Kankakee Ill.

Help Wanted—A man, one of good appearance and capable of waiting on high class trade. Reference required. RANDOLPH & McCLEMENTS, Florists Baum and Beatty Sts., Pittsburg, Pa.

Help Wanted—A first-class rosegrower with experience on beauties for section; will give charge of entire plant if capable to manage it; steady position; state wages expected.
Key 342, care American Florist.

Help Wanted—Two good men to grow a general line of ferns bedding plants and carnations. Must be sober, industrious and after a steady job. Married men preferred. State wages and references in first letter. Address
Key 239, care American Florist.

For Sale—On account of ill health, old established Chicago loop floral business; 5 year lease, cheap rent, no incumbrance.
Key 240, care American Florist.

For Sale Cheap—Return tubular boiler, 4 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure.
W. H. BARRETT, Adrian, Mich.

Wanted—A large size Wilks' boiler; must be in good condition.
E. S. EASTERDAY, Nokomis, Ill.

WANTED.

Assistant. Must be sober and a hustler; \$12 00 a week to start.

CHAS. A. DUERR, Newark, Ohio

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED

Bright young man with experience in a wholesale and retail Seed Business; one competent to put up bulk orders, also wait on counter trade. Address with particulars, giving experience and reference.

P. O. Box 1594, Philadelphia, Pa.

FLORIST,

Salesman and high class maker-up; a man with thorough experience and the best of recommendation can find employment with a high class New York florist; wages to start, \$25.00 per week. Address Key 236, care American Florist.



Copyright 1910 by
The American Florist Co.

SUPERINTENDENT

A first-class man with life experience in all branches of work on a large General Estate is open for engagement Dec. 1. Have a thorough knowledge of every detail of the work on an Estate where the highest class products are required. Systematic and economical in management and highly recommended. Address

Key 234 care American Florist.

WANTED.

One of the best Dutch bulb growers, with large growers special in the best qualities of Hyacinths, Early and Darwin Tulips wishes to secure a first-class agent in the United States of America and also in Canada on entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 230, care American Florist.

ORCHID GROWER WANTED.

Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address

LOUIS BURK,

Girard Ave., and Third St., Philadelphia, Pa.

For Sale.

A well established florist and seed store; new clean stock of all kinds of seed; no opposition; best part of Berkeley; best part of the year commencing attractive windows, artistic furniture and fittings, large space partitioned off into four rooms. This is no "get rich quick" proposition but a good honest living for anyone not afraid of work; low rent; price \$1500.

THE KENSINGTON FLORIST,
3310 Adeline St., So Berkeley, Calif.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500 \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The larger size, one color, \$2.70.

Cash with order.

American Florist Co.

324 Dearborn St., CHICAGO.

We Had the Best Beauties in 1909

THEY ARE STILL BEST IN 1910

Our Beauties won first prize in every Flower Show in which they were exhibited.

Every ROSE Entry we made was a prize-winner. ALL OUR STOCK IS THE SAME HIGH QUALITY.

If you want to be sure of your Thanksgiving order, send it to us.

THANKSGIVING PRICE LIST

In Effect
Nov. 21, 1910.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$6.00
30 to 36 inches.....	\$4.00 to \$5.00
18 to 24 inches.....	3.00
15 inches.....	2.00
12 inches.....	1.50
	Per 100
Short stems.....	\$6.00 to \$8.00

**Maids, Maryland, Richmond, Killarney,
Brides, White Killarney, Kaiserin,
Rhea Reid**

	Per 100
Extra select.....	10.00
Good lengths.....	8.00
Medium lengths.....	\$5.00 to 6.00
Good short lengths.....	3.00 to 4.00

CARNATIONS

	Per 100
Good, red, white and pink.....	\$4.00

CHRYSANTHEMUMS.

	Per doz.
Pink, white and yellow.....	\$2.00
HARRISH LILIES	per doz. \$1 50
" ".....	per 100, 12.00
Lily of the Valley.....	per 100, \$3.00 to 4.00
Asparagus.....	per string, .60
Asparagus Sprays.....	per 100, \$3.00 to 4.00
Sprengerl.....	per 100, 2.00 to 3.00
Ferns.....	per 1000, 2.00
Smilax.....	per doz. 1.50
Adiantum.....	per 100, 1.00
Galax, Green.....	per 1000, 1.00
" Bronze.....	per 1000, 1.25
Select Pink and White Sweet Peas.....	per 100, 1.00

ROSES, Our selection, \$3.00 per 100.

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

SUPERB STOCK.

The many flower exhibitions in the cities within easy access of this city and the large show held here have caused a heavy drain on the high grade stock, especially in chrysanthemums, roses and carnations, and besides taking up considerable time of the prominent growers who not only have exhibited and attended the various shows in person, but have shipped large quantities of high grade flowers that have eventually found their way to the exhibition tables and won prizes. A glance over the different prize winners at the several shows will at once demonstrate what an important factor the superb flowers grown in Chicago are to the surrounding country. The withdrawal of such a large amount of stock from the market while it did not create a shortage, yet it required some little hustling on the part of the dealers to fill all the orders received. Chrysanthemums have now passed the mid-season stage and the later varieties are now the dependency of the market. W. H. Chadwick, Golden Chadwick, Mdle. Jeannie Nonin and other late varieties will be the mainstays for the Thanksgiving trade. Roses are in elegant condition and the stock received at the stores is of high quality, but many of the growers are in short cut in popular varieties and the prices are tending upward. American Beauties are of high grade and elegant long stems, but not many of the shorter lengths. Carnations are now of excellent grade, and it looks at the present writing as if there would be none too many to go around at Thanksgiving time, and a good advance in price is one of the probabilities. Sweet peas are now coming in of excellent quality and with long stems and are having good sale. Orchids are rather short of the demand and the prices higher. Lily of the valley is none too plentiful

and has to be secured early. Violets are now feeling the cooler weather, and are of good quality with steady call. Lilies are just about meeting the demand. Greens of all kinds are still plentiful and of fine quality.

NOTES.

Peter Reinberg is now cutting an excellent grade of carnations with Enchantress and White Enchantress, showing up remarkably well. Blooms of the different red varieties were also very fine and were moving readily at good prices. In roses we noticed some extra fine Mrs. Marshall Field and Sunrise, the latter being used extensively by the leading florists for table decorations and their best floral work.

The display of chrysanthemums at Garfield Park was thoroughly enjoyed by the thousands of visitors who took advantage of the kind invitation to view the grand show at the greenhouses on Sunday last and during the week. Head gardener, John Sell, was on hand to escort the visitors and kindly point out the particular blooms and varieties and other interesting features of the houses.

Wietor Bros. are cutting an exceptionally good grade of White and Pink Killarney, Mrs. Jardine and American Beauty roses. Chrysanthemums and carnations are among the daily arrivals and a recent visit to the greenhouses found the stock in splendid condition and the cut is now so large that there will be no question as their ability to handle a large Thanksgiving trade.

At the regular meeting of the Florists' Club, November 3, Vice-President Philpott was presented with a beautiful pair of diamond cuff buttons in recognition of his many valued services. The new members admitted were F. W. Martin, 600 East Fortieth street, John Then, 5038 Lincoln avenue, Thos. Laing, La Grange, Ill., and Fred Dietsch, 2640 Sheffield avenue.

The greenhouses at Lincoln Park have been crowded with the residents of Chicago enjoying the beautiful display of chrysanthemums on exhibition as this popular resort of the citizens of the city. In a few weeks a beautiful display of orchids is promised at these greenhouses.

The Auburndale Goldfish Co., 920 West Randolph street, recently shipped 225 gold fish to the Gate City Conservatories at Canon City, Colo., and have since received a very complimentary letter stating that when they arrived only one had perished on the long journey.

Clara Frances Martin, only daughter of Mrs. Margaret Thorpe Flint, and granddaughter of the late John Thorpe, was married November 14 to G. Wilford Embleton of Woodstock, N. B., Can. Mr. and Mrs. Embleton will reside at 3613 Wabash avenue, this city.

Although there is a shortage of orchids reported all over the country Charles W. McKellar is receiving a good supply of excellent quality. A shipment which arrived this week contained some handsome specimens of Cattleya Percivaliana and C. Trianae.

The American Beauty roses that Vaughan & Sperry are receiving from William Dittman of New Castle, Ind., are of A1 quality and find ready sale. An extra fine line of Cattleya labiata orchids are among the daily arrivals and are bringing good prices.

Some excellent blooms of Col. D. Appleton and Golden Wedding chrysanthemums were noticed at Kyle & Foerster's this week. The Lakeview Rose Gardens of Jamestown, N. Y., are shipping a large quantity of these flowers to this concern.

John Welsh, Jr., will in the near future open a store at the corner of Evanston avenue and Montrose boulevard. Mr. Welsh is a son of John Welsh, the well known florist of Ravenswood.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

YOU will have sale for large quantities of flowers

FOR THANKSGIVING

If you offer your trade the quality of stock we are cutting in quantity.

Best varieties, grown to perfection. Can supply by the hundred, or thousand or more.

MUMS

Yellow, white, pink,
\$1.50; \$2.00 and \$3.00
per dozen.

We now are making large daily cuts of

Specially Fine Roses

If your trade calls for best long Roses, we have long, fancy stock in large quantities in all leading varieties, but especially in the

Killarneys and My Maryland

Of course we have plenty of medium and shorter roses for all orders. Can meet any demand in the rose line.

Carnations--Good Stock--Large Supply

Send along your orders—we will take good care of you.

Thanksgiving Price List

Taking Effect
November 20, 1910.

AMERICAN BEAUTIES

	Per doz.
Extra long specials.....	\$6 00
36-inch.....	5 00
30-inch.....	4 00
24-inch.....	3 00
20-inch.....	2 50
18-inch.....	2 00
16-inch.....	1 50
Short.....	per 100, \$8 00 to 8 00

	Per 100
White Killarney, fancy.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	4 00
My Maryland, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	4 00

ORCHIDS

	Per doz.
Cattleyas, large.....	\$9 00

	Per 100
Carnations, fancy.....	\$6 00
Our selection.....	\$4 00 to 5 00
Splits.....	3 00

Chrysanthemums—

White, yellow and pink, doz. \$1 50-\$2	
Fancy.....	3 00

Pompon Mums, pink, white and yellow,
per bunch, 50c and 75c.

Violets, New York doubles.....	1 50
Singles.....	1 00
Princess of Wales.....	1 50

	Per 100
Killarney, fancy.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	4 00
Richmond, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	4 00
Cardinal, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	4 00
Perle, fancy.....	8 00
Long.....	6 00
Medium.....	4 00
Short.....	3 00

Roses, extra specials charged accordingly.

	Per 100
Harrisii Lilies.....doz. \$2 00	\$12 00
Valley.....	\$ 4 00 to 5 00
Sweet Peas.....	1 00 to 1 50
Plumous Sprays, Sprengerl.....	3 00 to 4 00
Plumous Strings, extra long.....	60 00 to 75 00
Smilax.....per doz., \$2 00	
Galax.....per 1000, 1 50	
Ferns.....per 1000, 2 00	
Adiantum Croweanum.....	1 00
Leucothoe.....	75
Wild Smilax, 50-lb. case. \$5 00; small case, \$3 50.	

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

"The Busiest House in Chicago."

"The Proof of the Pudding is in the Eating."

In competition with the largest growers of carnations of the middle west, one of our growers took

FIVE FIRST PRIZES and TWO SECOND PRIZES

with seven entries.

Another of our growers had six entries and was awarded **Four Prizes.**

If you "**Buy of the Grower**" through us you not only get prize stock, but get it at a price that other houses charge for inferior stock.

We want you to keep in touch with the Chicago Market and are issuing a weekly trade letter to that purpose. If you are not receiving it send us your name and address and we will see that you do.

WE MAKE NO CHARGE FOR PACKING.

J. B. DEAMUD CO.,

51 Wabash Ave., L. D. Phone Central 3155 CHICAGO.

The Chicago Carnation Co. was very successful in its entries at the several exhibitions with the superb carnations that are being grown at Joliet. This concern was awarded 28 prizes at the Milwaukee, Minneapolis and Chicago shows, divided into 15 firsts, 12 seconds and one third. Their new variety Washington won two firsts at Minneapolis and one first at Chicago. Thursday and Friday a large number of the visiting florists took advantage of their kind invitation and visited the houses and were very much pleased with the appearance of the stock.

J. A. Budlong is cutting some choice blooms of white, yellow and pink chrysanthemums and from the present outlook will have plenty of stock for Thanksgiving day, some excellent blooms of President Roosevelt were seen at the store this week. This firm won 14 prizes out of 16 entries in roses at the show last week and also received five awards in carnations which speaks well for the stock considering no effort was made to enter until the last moment.

Poehlmann Bros. Co. was the recipient of first prizes at all the shows held in the several cities with their high grade chrysanthemums, roses and carnations, winning the \$500 premium at St. Louis for the display of roses and being large winners at Minneapolis, Milwaukee and Chicago. The number of prizes which this concern were awarded this fall came very near reaching the century point.

Bassett & Washburn were very successful at the flower show held last week, winning a large number of prizes. This firm is particularly proud of the showing made with their American Beauties and other roses. They were also awarded first prizes for their chrysanthemums in 50 blooms Timothy Eaton and Dr. Enguehardt and in 12 blooms of four other varieties.

The feature of the dance given by the Florists' Club bowling league at the Coliseum Annex, November 11, was the grand march, which was led by Master Orville Daly and Miss Katherine Yarnall. B. Zima, the well known florist of Twenty-second street, and his orchestra furnished the music, which was greatly appreciated by all present.

Hoerber Bros. are now receiving a high grade stock of roses, carnations and chrysanthemums from their range at Des Plaines. Business has been very good and Harry Manheim, the manager at the store, has been kept very busy filling the many orders which are constantly received.

The Chicago Rose Co. is handling an exceptionally good grade of Timothy Eaton chrysanthemums. Joseph Ziska is again back at the store, after having been confined to his home the past week with a severe attack of rheumatism.

Miss L. Anderson with Frank E. Rue, Peoria, accompanied by her mother spent the past week in the city. Fred Nichols of the George Reinberg establishment had the pleasure of escorting the visitors around the city.

The J. B. Deamud Co. is the recipient of large quantities of splendid stock of all kinds. Chrysanthemums of all colors are among the daily arrivals and some magnificent blooms of Wm. H. Chadwick were seen.

White and yellow Bonnaillon chrysanthemums are arriving in quantity at Percy Jones, and Henry Van Gelder informs us that he has some 35,000 blooms to dispose of between now and Thanksgiving.

Miss Viola Mae Jones and Robert Leesley, it is announced, will be married December 10. The fiancée is the daughter of A. L. Jones and granddaughter of the late L. A. Budlong.

Gladiolus crops, now being taken in, show a good yield. The late fall gave

them a long growing season, which matured more full sized bulbs than usual.

Zech & Mann are receiving a large quantity of roses with White and Pink Killarney showing up remarkably well. This firm has filled a large number of orders the past week for lily of the valley.

Dr. W. Van Fleet, accompanied by Mrs. Van Fleet, passed through Chicago on the 16th inst. en route from California to Washington, D. C.

The Poehlmann Bros. Co. have placed the contract for another range of 13 houses, each 27x250 feet. The Foley Mfg. Co. has the order.

W. N. Rudd will make an eastern trip the coming week in the interest of the Horticultural Department of the University of Illinois.

O. Johnson of the Flower Growers' Market is handling an exceptionally good grade of American Beauty roses.

George Reinberg is handling a large quantity of Maud Dean chrysanthemums of a very good grade.

Visitors: Miss L. Anderson, Peoria; A. L. Glaser, Dubuque, Ia.; P. J. Smith, Sandusky, O.; Paul Zoellner, LaCrosse, Wis.; John Bertermann, Indianapolis, Ind.

St. Louis.

The week just passed has been nice and cool. Stock has shortened up considerably, but as trade is only fair, prices are not high. Violets are slowly improving, and are in demand.

NOTES.

One of the most interesting meetings ever held by the Florists' Club, was that of the afternoon of November 10, there were 58 members present and four new ones elected. After the general business was concluded an entertainment was given. Visitors to the show were entertained by the Florists' Club at Cambridge Court with an

We Offer For Thanksgiving

OUR PRIZE WINNING

Roses and Carnations

Pronounced by judges at the **Ch'cago Flower Show** as **exceptionally good** we securing **19 Awards**. Stock exhibited was taken from our **regular cuts** and as such we are able to supply customers with the **selfsame stock** which in turn will surely satisfy your customers. Heavy supply of

Beauties, Maryland, Jardine, Richmond, Field, Kaiserin, Maid and Bride They are sure to give satisfaction. None better in the market.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Chrysanthemums. Yellow, Pink, White in large quantities, fully up to standard.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the **New York or Hudson River Violets**, but owing to length of time requiring for these to reach Chicago, we can only bill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock.



We
Strive
To
Please.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE
GROWER of **CUT FLOWERS**

A Large
Supply to
Meet all
Requirements.

elaborate lunch, after which many speeches were made, and then taxicabs were taken and all visited the show.

W. J. Paul, manager of the Ammann & Johann Floral Shop of East St. Louis, reports trade as very good last week. The window displays of this store have attracted a great deal of attention.

Venneman Bros. are shipping some nice violets and carnations. They have completed three new houses 30x100 feet, and are now building a residence.

Harry Schlechter, formerly with Adolph Brix, is now with Geo. Angermueller. Miss May Taylor is now bookkeeper at Angermueller's.

A two week's chrysanthemum show opened at Shaw's Garden November 13. The greenhouses will be open until 10 o'clock in the evening. W. F.

Milwaukee.

GOOD DEMAND.

Last week saw considerable change in the market, practically everything shortened up and the only thing that was conspicuous in the market was the inferior grade of chrysanthemums. Violets were very scarce and it was impossible to take orders for them. Carnations took quite a jump, fancy grades bringing three and four dollars a hundred, there being a much greater demand than supply. Roses enough to fill orders, the demand being mostly for shorts, and American Beauties were practically out of the market. Lilies have shortened up again and are selling at normal prices; chrysanthemums of the fancy variety sold read-

ily, bringing good prices. Enough greens to fill all orders.

NOTES.

Holton & Hunkel Co. are cutting some fine Killarney roses, a new crop just coming on. This firm has a fine crop of American Beauties in view which they expect to cut within a few weeks.

W. C. Zimmermann reports business good, having had quite a number of funeral orders during the week.

Miss Hattie Weigle, formerly of the Pfister Florist, has accepted a position with the A. Currie Co.

The new store of A. Currie & Co., is now open for business at 130 Wisconsin street.

XXX HOLLY

Laurel Wreathing,

**EVERGREEN WREATHING, HOLLY WREATHS,
MISTLETOE, NEEDLE PINES,
IMMORTELLS AND XMAS BELLS.**

We Are Headquarters—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values **FLUCTUATE** almost daily. We keep in close touch with the market and supply at right prices.

Write for "Special Christmas List."

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St.

NEW YORK: 25 Barclay St.

C. C. Pollworth Co. is cutting some fine chrysanthemums which are selling readily and bringing good prices.

Visitors: Harry Balsley, Detroit, Mich.; Boelter & Quehlke, Appleton; A. C. Brown, Springfield, Ill.; Mrs. H. L. Clapp, Ripon; Geo. Dysinger, Ionia, Mich.; John A. Evans, Richmond, Ind.; E. Everett, Madison; P. J. Foley, Chicago; O. Goerish, Chicago; W. A. Harkett, Dubuque, Ia.; A. Hause, Belgium; A. Helfrich, Burlington; Mrs. T. Hinchliffe, Racine; E. H. Hunt, Chicago; W. F. Kasting, Buffalo, N. Y.; H. Kidder, Ionia, Mich.; C. Kroeschell, Chicago; Fred Lautenschlager, Chicago; A. Loeffler, Watertown; Carl Meier, Green Bay; Edw. Owen Orpet, Lake Forest, Ill.; Adolph Poehlmann, Chicago; Aug. Poehlmann and wife, Chicago; A. T. Pyfer, Joliet, Ill.; Wm. Reed, Antigo; Jos. Reisinger, La Crosse; A. Ringier, Chicago; W. J. Rupp, Chicago; Wm. A. Schaefer, Platteville; Frank Scholl, Pewaukee; G. A. Sillentine, La Crosse; Max Stadler, Oconomowoc; C. B. Tremain, Hartford; Geo. E. Valke, Minot, N. Dak.; Adam Zender and wife, Chicago; Miss Zender, Chicago; Paul Zoellner, La Crosse.

Cincinnati.

MARKET IMPROVING.

Business is improving. An increase in demand and a decrease in supply has given the market a better tone. A large part of this increased demand comes from out of town buyers who are ordering heavily. Chrysanthemums which have up to this time practically ruled the market will now decrease somewhat in quantity. Choice white chrysanthemums of real good quality were at times hard to obtain last week and pompons have found a fair sale. Roses and carnations are both shortening up. The prices on carnations have advanced, the lighter shades selling most readily. More New York double violets could have been used. Lily of the valley, lilies and sweet peas are also offered. The green goods market is active.

NOTES.

The display of chrysanthemums at the Eden Park greenhouses has attracted thousands of visitors. On Sunday the people were lined up and

walked in the greenhouse as though they were stepping up to the box office for tickets for a popular show. Superintendent H. Greensmith says that the bench of pompons attracted more attention than the many benches of show blooms.

The regular meeting of the Cincinnati Florist Society was held at the club rooms, November 7. The attendance was small. Ed. Foster, R. Witterstaetter, Wm. Murphy, E. C. Gillett and Max Rudolph were appointed a committee to formulate plans and crystallize sentiment among the florists for a flower show and report at the next meeting.

Miss Claire Murphy has returned from California. She is very enthusiastic about the flower gardens there. Roses, carnations and poinsettias were blooming in the gardens when she left.

Mr. and Mrs. P. J. Olinger took in the Chicago flower show and visited their relatives at Evanston and Aurora, Ills.

We regret to report the death of Chas. Murphy's mother-in-law. He has gone to Cuyago, Ontario, where her remains will be interred.

The Florist's Bowling Club will meet at Finke & Craig's alleys, 170 East Sixth street, Monday evening, November 21.

Wm. Murphy and friends visited William Speck's and Julius Schuman's greenhouses at Newport, Ky., and found everything in tip top shape.

E. C. Gillett journeyed to Indianapolis, November 11, to see the flower show.

Morris Meyer, formerly with A. Sunderbuch Son's Co., is now foreman at Bloomhurst.

The Bloomhurst Floral Co. of Lockland, are cutting very fine Killarney and Taft Roses.

The Covington Seed Co. are sending some very choice chrysanthemums to C. E. Critchell.

Mrs. Henry Schwarz has returned from Birmingham, Alabama.

Wm. Speck visited Richmond, Ind., Sunday.

Visitors—Martin Rukoff, representing H. Bayersdorfer & Co., of Philadelphia. C. P. Dietrich of Maysville, Ky.

Cleveland.

BUSINESS GOOD.

The week's business has been very good, and is steadily improving. The cold and dark weather has shortened up the cut of roses and carnations considerably, the growers reporting that snow covers the houses and the flowers open very slowly. Everything cleaned up nicely nearly every day, the demand in most cases exceeding the supply. Carnations have been short for the past two weeks. All varieties of short roses clean up daily, and the stock is exceptionally fine. Violets have been short of demand the latter part of the week. Chrysanthemums are selling well, both in the cheaper and better grades, and are not overplentiful. Good lily of the valley is having only a fair sale. Orchids are moving slowly just now. Asparagus has been short the past week but smilax is plentiful.

NOTES.

There will be an informal meeting at the Cleveland Florists' Club rooms, 2610 Detroit street, on Monday evening, November 28, at 8 o'clock, which all florists are requested to attend whether they are members of the club or not. It has been suggested that a new club be formed, the present quarters abandoned and new rooms with all conveniences be procured. The call is made by President Chas. Schmitt and Henry Renard who hope to be favored with the presence of all florists, as this will be a most important meeting.

The Ohio Floral Co. have removed to their new store in the Bank building. Their opening this past week was a very elaborate affair, the new store being decorated profusely with flowers and greens.

C. F. B.

CONNELLSVILLE, PA.—George Schomer has completed the erection of an addition to his greenhouses on East Fairview avenue of an area of 7,000 square feet. He will in the near future open a down town sales room, having secured one of the front rooms of the Wyman Hotel for this purpose.

Never so Well Prepared as This Year For THANKSGIVING

We are now cutting heavily in all leading varieties
of ROSES, CARNATIONS and CHRYSANTHEMUMS of Exceptionally Good Quality.

Plenty of all Other Seasonable Stock.

THANKSGIVING PRICE LIST

American Beauties,	Per doz.
Extra Long stems.....	\$6 00
36 inch stems.....	5 00
30-inch stems.....	4 00
24-inch stems.....	3 00
20-inch stems.....	2 00
15-inch stems.....	1 50
12-inch stems.....	1 25
Short stems.....	\$4 00 to \$8 00 per 100
Richmond, select.....	\$6 00 to \$8 00
medium.....	5 00 to 6 00

	Per 100
Killarney, select.....	\$6 00 to \$8 00
medium.....	5 00 to 6 00
Mrs. Marshall Field, select.....	6 00 to 8 00
medium.....	5 00 to 6 00
Perle, select.....	6 00 to 8 00
medium.....	5 00 to 6 00
Bride select.....	6 00 to 8 00
medium.....	5 00 to 6 00
My Maryland, select.....	6 00 to 8 00
medium.....	5 00 to 6 00

Chrysanthemums....	\$1 50 to \$3 00 per doz. Per 100
Ivory, select.....	\$6 00 to \$8 00
medium.....	5 00 to 6 00
Sunrise.....	5 00 to 8 00
Carnations.....	3 00 to 4 00
Valley.....	3 00 to 4 00
Easter Lilies.....per doz.,	1 50 to 2 00
Asparagus Plumosus,	
extra quality...per bunch,	50
Fancy Ferns.....per 1000,	1 50

ROSES, our selection.....\$4.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

Pittsburg.

The market continues very strong on almost all lines. Chrysanthemums, while still plentiful, sell better and clean up almost daily. The quality is very fine, of all varieties. Violets and lily of the valley move very strongly. Lilies are again active, and paper whites clean up nicely.

NOTES.

At the Phipps conservatories in Schenley Park, a very fine show of cattleyas and all varieties of begonias is on. Petersons Glory of Cincinnati shows up nicely.

A recent visit to Geo. L. Huscroft, Steubenville, Ohio, found his place to be one of the neatest and best equipped places in the country.

Harry Hamm has removed to Lang avenue, where he has a larger store room. Harry is very progressive and will soon make himself heard.

Gross & Allridge have re-organized. Mr. Shoub is now connected with this firm which will be known as the East End Floral Co.

McRae-Jenkinson Co. are cutting immense quantities of chrysanthemums which they dispose of at their East End Store.

Walter Dernberg has bought the retail store of the McKeesport Floral Co. and will conduct that place in the future.

Arthur James has severed his relations with I. E. Butler of New Kensington, and has opened a store in Brad-dock.

D. A. Noon, who has purchased the Faulk Flower Store in Homestead has closed his place and quit.

V. A. Cowgill, Salem, O., has purchased the retail store of the Lamborn Floral Co., Alliance, O.

The Zieger Company have a large quantity of paper whites planted in their greenhouses.



ORCHIDS A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

Charles Peterson, East Liverpool, O., is at Hot Springs, Ark., on account of his health.

P. R. DeMuth & Sons, Connellsville, are opening a store downtown.

Miss A. L. Wells of Steubenville, O., has been sick.

Walter Faulk is bear hunting in central Pennsylvania.

J.

MITCHELLVILLE, IA.—A new greenhouse is being built for the industrial school which will be completed this fall.

ASBURY PARK, N. J.—W. S. Benson, a florist of West Grove, will receive a reward of \$200.00, offered by the police department for the discovery of the body of little Marie Smith, 10 years old, who disappeared on her way home from school on November 9. After a fruitless search by soldiers, policemen, firemen and school children, Mr. Benson found the body of the little girl, who had been brutally murdered. The scene of the tragedy is near Deal Lake. Thomas Williams, alias "Black Diamond," a negro pugilist, is under arrest.

Our Carnations are Superior

That is Why We Win so Many Prizes at Every Exhibition.

Awarded Highest Honors At **Chicago, Milwaukee, St. Louis**
and **Minneapolis Flower Shows.**

THANKSGIVING PRICE LIST.

American Beauty.....	per doz.	\$2.00 to \$5.00
Killarney.....		
Mrs. Jardine.....	Per 100	
Uncle John.....		\$4.00 to \$10.00
Richmond.....		
White Killarney.....		
ROSES our selection.....		4.00
Chrysanthemums, per doz.....	2.00 to	5.00
Carnations, fancy, per 100.....		5.00
Select.....	3.00 to	4.00
Harrisii, per 100.....		15.00
Valley, per 100.....	2.00 to	4.00

EXHIBITION blooms for these shows were taken from our regular daily cut, which is the best in the Chicago market, all the same superior quality every day. That is why we please our customers. If you are not acquainted with us send in a trial order. We guarantee satisfaction. We also have strictly high grade 'Mums, Roses, Sweet Peas, Valley, Violets, Greens, Etc., at lowest market prices.

CHICAGO CARNATION CO., A. T. PYFER, Manager, 35-36 Randolph St., Chicago.
Phone Central 3373.

Who is Making Milwaukee Flowers Famous?

We took 42 prizes at the Milwaukee Flower Show on

Roses and Chrysanthemums AND INCLUDING THE SWEEPSTAKES ON... **Carnations**

Our growers also were successful with their entries. For All stock we are the people. See record of premiums in this issue.

C. C. POLLWORTH CO., Milwaukee, Wis.

Toronto.

GOOD STOCK SCARCE.

Weather the past week has not been of the variety that is conducive for roses and consequently have become very scarce, especially American Beauties. Richmond, Killarney and Bride are being cut of very fine quality, but not nearly plentiful enough to fill orders. Carnations continue to improve both in quality and quantity but many special orders are being refused daily. Chrysanthemums continue to arrive in very good quantities. The decorations lately have been very brisk, and the market being cleaned up each day. There is at present a shortage of the very large varieties, but these are being held back for the chrysanthemum show. Pompons and singles are having quite a run, being seen around the stores in very effective arrangements and also as pot plants, but there seems to be a general complaint that there is very little in them for either the grower or the store man. Violets are decidedly scarce and the prices have been boosted to \$1.50 per hundred. Valley continues of very fine quality.

NOTES.

Robert Abbs has a house of sweet peas from which he is cutting some very fine flowers. Mr. Abbs at one time had retired from the flower business, but time hung so heavily on his hands that he built a house for his own amusement and now that sweet peas are coming in at the rate of 1,200 to 1,500 a day, they keep the time from hanging heavy on his hands.

A fire broke out in the retail department of the Steele Briggs Seed Co., and did damage to stock estimated at \$5,000, with about \$1,000 damage to the building. The fire started in the basement, and from the pungent odor of the burning seeds and bulbs the fire was a hard one to combat.

Dunlops on Yonge Street have been featuring in their window lately a large gilt frame in which is placed a vase or a bunch of flowers and some very artistic effects have been noticed, but this is more noticeable with natural flowers than with artificial.

The Rosedale Florist, Miss Riggall, manager, has been receiving many orders lately for the old fashioned bouquets. They have a good stand with the residential district, and business continues to improve with them.

So many retail stores are springing up in different parts of the city that it is impossible to keep track of them, but as many of them are only starting in a small way it is doubtful if they will outlast the winter.

William McKay of Dundas Street is busily engaged in remodelling his green houses and residence, and the improvements around the front of the place and on the street line are very noticeable.

Cattleya labiata are supposed to be very scarce in this section, but Thomas Manton has at present a very fine crop of large blooms and well colored, many of which he is sending to the show.

Mrs. Endean of King Street, E., reports very fine business. She keeps a well stocked store, and her business is increasing rapidly. H. G. D.

New Jersey Floricultural Society.

The New Jersey Floricultural Society held their regular meeting November 11, in Lindsley Hall, 240 Main st. There was a fine display of roses, carnations and chrysanthemums and the quality of the exhibit was excellent. The report of the chrysanthemum show was approved as read. Eugene Van Tombaecht was nominated for membership in the society. Nomination and election of officers will take place at our next meeting. William Reid, gardener for S. M. & A. Colgate, will read an essay on the care of apple trees at the December meeting.

The following are the awards of the judges:

A. B. Jenkins, gardener to Albert F. Larson, roses 95 points; Thos. Edison, gardener to Frank Drew, roses 93 points; S. M. & A. Colgate, William Reid, gardener, roses 90 points; William Reid, carnations 95 points; Max Schneider, carnations 75 points; Lager & Hurrell, collection of orchids, 85 points; Wm. Reid, chrysanthemum plant, 98 points; Wm. Reid, Draceana Lindenii, 90 points; Frank Drew, vase of roses, certificate of merit; Wm. Reid, 7 pots chrysanthemums, cult. certificate; Fritz Berglund, chrysanthemums, certificate of merit; The judges were, L. Kindsgren, Edward Persson and James McManus.

WILLIAM REID.

HUNTINGTON, W. VA.—C. P. Dudley, of Parkersburg, is to open a flower store in the Vinson-Thompson building. Miss Lauraine Boreman will manage the new store.

Everything In Large Supply For Thanksgiving Day

We are going to be particularly well fixed on
Chrysanthemums, Carnations, White and
Pink Killarney, American Beauty and other Roses.

Send in your trial order and we will fill it to your Satisfaction.

No Order Too Large.

No Order Too Small.

No Charge for Packing and Delivering.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone,
Randolph 2758.

CHICAGO

Minnesota State Florists' Association:

When this appears in print the show at the Minneapolis Armory under the auspices of the Minnesota State Florists' Association will be but a pleasant memory—but a memory that will live long in the minds of those who assisted in promoting the show and gazed upon its beauties. Competent witnesses from all sections of the country say it was one of the prettiest exhibitions they ever saw. The Twin City Florists are, of course, too modest to say that for themselves, but your scribe must record the truth no matter where it comes from. That the show was successful from the exhibitors' point of view cannot be denied; that it was successful from the observers' view is equally true; that it was successful financially remains to be seen when the returns are all in. The attendance on Wednesday, Thursday and Friday was disappointing—but Saturday was more encouraging, while much is hoped for Sunday and Monday.

The exhibits were all good and in most classes only a few points separated the "top notchers" from those that "also competed." Chrysanthemums were shown the first day and the judges were kept busy early and late in order to complete their labors. Local growers showed up well with such strong competitors as Smith and Buckbee, but Merza, Naomah, Mary Donnellan, Pres. Roosevelt and Pickett's Crimson were greatly admired and many comments passed upon them. The baskets and vases of chrysanthemums were a feature of the day and prizes were pretty well distributed among the local growers. The panel design contest was very close and all of the designs shown came in for favorable comment. The groups of chrysanthemum plants were very effective. Swanson's grotto of orchid plants flanked by single and pompon chrysanthemums was in a class by itself, as was May's collection of 20 varieties of evergreens in tubs.

The second day was devoted to carnations. Poehlmann Bros. Co. and Chicago Carnation Co. were the principal winners in this class, although a number of local growers captured some first and a large number of second prizes. Scarlet Glow, Sangamo and Washington received many compliments. The table decorations this day were principally of roses, Swanson winning by a close margin with Killarney-Monson's new rose, showed up in fine effect.

The third day was devoted to roses and brought out strong competition in these queens of beauty. To the surprise of many Holm & Olson carried off first honors in American Beauties, closely followed by Poehlmann Bros. Co. and Donaldson Co. First honors in Brides and Bridesmaid were easily captured by the Donaldson Co., Poehlmann Bros. Co., Wendland & Kelmel and May were the principal winners in the

other classes. The fine Richmonds, Killarneys, and White Killarneys were "eye openers" to many of the local craft. The display of violets while very good was likewise very small owing no doubt to the "off crop" season and the consequent heavy demand on the growers. The novelty table decoration was keenly contested, first honors going to Mr. Holmes, formerly with the Donaldson Co. The main feature of this table was My Maryland roses.

The fourth day was devoted to more table decorations and to bouquets and baskets of orchids. Honors were about equally divided among local houses. One of the most unique and interesting exhibits was loaned by J. S. Bradstreet of Minneapolis. It consisted of several dwarfed Japanese cedar trees about 18 to 24 inches in height, with appropriate Japanese settings. These are said to be 200 or 300 years old and are very interesting from many points of view.

Music by Rossiter's band every afternoon and evening was very entertaining. Vocal soloists each evening lent diversity to the character of the entertainment. Society girls in Japanese kimonos sold refreshments, programs and flowers, producing quite an income for the exchequer.

Harry Balsley of Detroit donated a beautiful silver loving cup, which was awarded to O. C. Swanson as a special prize for his display of orchids, chrysanthemums, palms and ferns.

On Saturday evening a banquet in honor of President Wirth was given at the Donaldson Tea Rooms, Minneapolis, at which 75 representative members of the trade, their wives and friends were present. A. S. Swanson acted as toastmaster and the following toasts were responded to: "Flower Shows Past and Present," by E. Nagel of Minneapolis; "The Inside Work for a Flower Show," by A. J. Smith, Minneapolis; "The Exhibitor's View of the Flower Show," by Lewis Luke May, St. Paul; "The Judges," by J. J. Hess, Omaha, Neb.; "The Value of Flower Shows to the Trade," by J. S. Wilson of Des Moines; "The Value of Flower Shows to the Community," by W. L. Harris of Minneapolis; "The Electrical Feature," by Mr. Clark of Minneapolis; "The Outsider's View," by O. H. Will. T. E. Nagel sang several solos which were roundly encored and the meeting disbanded at midnight.

The following well-known gentlemen were visitors: Elmer D. Smith, Adrian, Mich.; Harry Balsley, Detroit, Mich.; E. W. Buckbee, Rockford, Ill.; F. W. Plummer, Kewanee, Ill.; Mr. French, of Poehlmann Bros. Co.; W. J. Kelmel, of Elmhurst; Mr. Johnson, with E. H. Hunt; Mr. Johnson, representing A. L. Randall Co.; S. Seligman, representing Wertheimer Bros., New York; Mr. Shafer, of the La Crosse Floral Co.; G. A. Clausen, Albert Lea, Minn.; Nels Clarine, Faribault, Minn.; Mr. and Mrs. J. J.

Hess, Omaha, Neb.; J. S. Wilson, Des Moines, Iowa;

Awards.

Decorative plants, group 100 square feet.—Holm & Olson, St. Paul, first; O. C. Swanson, Minneapolis, second; L. L. May & Co., St. Paul, third.

Group, 50 square feet.—O. C. Swanson, first; L. S. Donaldson Co., second; Holm & Olson, third.

Specimen kentia palm.—Holm & Olson, first; L. L. May & Co., second.

Specimen phoenix palm.—Holm & Olson, first; Minneapolis Floral Co., second.

Specimen pandanus.—Holm & Olson, first. Aracarias.—Minneapolis Floral Co., first; L. L. May & Co., second; Hiawatha Gardens, Minneapolis, third.

Specimen Boston fern.—Hiawatha Gardens, first; L. L. May & Co., second; Holm & Olson, third.

Specimen crested nephrolepis.—Holm & Olson, first with Whitman. O. C. Swanson, second; L. L. May & Co., third.

Specimen fern (any other variety).—Holm & Olson, first, with Cibotium Scheldel; L. L. May & Co., second; Hiawatha Gardens, third.

Group of ferns, 100 sq. ft.—Holm & Olson, first; O. C. Swanson, second; Hiawatha Gardens, third.

Collection of ferns, 50 sq. ft.—Holm & Olson, first; L. S. Donaldson Co., second; Hiawatha Gardens, third.

Twelve crotons, not less than six varieties.—Holm & Olson, first; L. L. May & Co., second.

Six crotons not less than three varieties.—Holm & Olson, first.

Fern dish.—Hiawatha Gardens, first; O. C. Swanson, second; Holm & Olson, third.

Twelve cyclamen.—Holm & Olson, first; Minneapolis Floral Co., second; Hiawatha Gardens, third.

Twelve begonias, Lorraine type.—Holm & Olson, first; O. C. Swanson, second; Hiawatha Gardens, third.

Twelve primula obconica.—E. Nagel & Son, Minneapolis, first; Henry Jaap, Duluth, second.

Chrysanthemums.

Fifty anyone color arranged in vase for effect.—O. C. Swanson, first; La Crosse Floral Co., La Crosse, Wis., second; L. S. Donaldson Co., third; Will Bros. Co., fourth; Holm & Olson, fifth.

Twelve blooms white.—Elmer D. Smith & Co., Adrian, Mich., first, with Merza; Lakewood Cemetery Greenhouses, Minneapolis, second, with T. Eaton; L. S. Donaldson Co., third, with T. Eaton.

Twelve yellow.—Lakewood Cemetery Greenhouses, first; La Crosse Floral Co., with Mary

THANKSGIVING

Beauties, Orchids, Valley, Violets

Killarney, White and Pink, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable
stock, such as

'MUMS and CARNATIONS in good
supply.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$5 00
30-inch stems.....	4 00
24-inch stems.....	3 00
20-inch stems.....	2 00
15-inch stems.....	1 50
12-inch stems.....	1 25
	Per 100
Richmond, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00

	Per 100
Killarney, fancy.....	\$8 00 to \$10 00
select.....	6 00
medium.....	4 00 to 5 00
Bridesmaid, special.....	6 00 to 8 00
medium.....	4 00 to 5 00
Bride, special.....	6 00 to 8 00
med um.....	4 00 to 5 00
My Maryland, select.....	8 00 to 10 00
medium.....	4 00 to 5 00
ROSES our selection.....	4 00 to 5 00
CATTLEYA LABIATA, per doz.	\$7 50 to \$9 00

	Per 100
Carnations.....	3 00 to 4 00
Valley.....	3 00 to 4 00
Easter Lilies.....	12 00 to 15 00
Sprenger, per bunch.....	25c to 35c
Asparagus Plumosus, extra quality per bunch.....	50c
Fancy Ferns, per 1000.....	1 50
Chrysanthemums..... per doz.	1 50 to 3 00
Wild Smilax..... per case.....	5 00
Violets.....	1 00 to 1 50

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Donnellan, second; Will Bros. Co., Minneapolis, third, with Yellow Eaton.

Twelve pink.—Lakewood Cemetery Greenhouses, first, with Maud Dean; H. W. Buckbee, Rockford, Ill., second, with Vivian Morel.

Twelve red.—Elmer D. Smith & Co., first, with Pockets Crimson; Will Bros. Co., second, with Shrimpton; La Crosse Floral Co., third, with Intensity.

Twelve any other color.—L. S. Donaldson Co., first, with Pres. Roosevelt; H. W. Buckbee, second, with Glenview; L. L. May & Co., third, with Rosemaur.

Twelve incurved, any color.—Elmer D. Smith, first, with Naomah; La Crosse Floral Co., second; Will Bros. Co., third, with Major Bonafon.

Twelve reflexed, any color.—Will Bros. Co., first, with Yellow Eaton.

Six white.—Elmer D. Smith & Co., first; L. S. Donaldson Co., second; La Crosse Floral Co., third.

Six yellow.—Elmer D. Smith & Co., first.

Six pink.—Elmer D. Smith & Co., first; Minneapolis Floral Co., second; La Crosse Floral Co., third.

Six any other color.—Elmer D. Smith & Co., first; La Crosse Floral Co., second; L. L. May & Co., third.

Six reflexed, any color.—Will Bros. Co., first.

Six incurved, any color.—Elmer D. Smith & Co., first; La Crosse Floral Co., second; Will Bros. Co., third.

Twenty-five blooms, twenty-five varieties.—Holm & Olson, first; L. L. May & Co., second.

Twenty-five varieties on mossed board.—Elmer D. Smith & Co., first; H. W. Buckbee, second.

Vase 10 single varieties.—O. C. Swanson, first; Elmer D. Smith, second; Holm & Olson, third.

Vase 10 pompon varieties.—Holm & Olson, first; O. C. Swanson, second; Park Greenhouses, Minneapolis, third.

Vase 10 anemone varieties.—O. C. Swanson, first; Holm & Olson, second; Park Greenhouses, third.

Largest flower.—Elmer D. Smith, first, with M. Loiseau Rousseau; H. W. Buckbee, second.

Best basket or hamper chrysanthemum arranged for effect.—Holm & Olson, first; R. M. Chapman-Dullin Co., second; O. C. Swanson, third.

Vase of chrysanthemums arranged for effect.—Holm & Olson, first; O. C. Swanson, second; Minneapolis Floral Co., third.

Original design on panel.—L. S. Donaldson Co., first; Holm & Olson Co., second; L. L. May & Co., third.

Carnations.

Fifty White Perfection.—Poehlmann Bros. Co., Chicago, first; La Crosse Floral Co., second; Chicago Carnation Co., Joliet, Ill., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

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Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Fifty White Enchantress.—Chicago Carnation Co., first; L. L. May & Co., second; Poehlmann Bros. Co., third.

Fifty any other, white.—Poehlmann Bros. Co., first, with White Lawson.

Fifty O. P. Bassett.—La Crosse Floral Co., first; Poehlmann Bros. Co., second; Holm & Olson, third.

Fifty Beacon.—L. L. May & Co., first; La Crosse Floral Co., second; Poehlmann Bros. Co., third.

Fifty Victory.—Chicago Carnation Co., first; La Crosse Floral Co., second.

Fifty any other red.—Poehlmann Bros. Co., first, with Scarlet Glow.

Fifty Enchantress.—L. L. May & Co., first; Chicago Carnation Co., second and third.

Fifty Winsor.—Chicago Carnation Co., first; Poehlmann Bros. Co., second.

Fifty Lawson.—Poehlmann Bros. Co., first.

Fifty light pink.—Poehlmann Bros. Co., first.

Fifty dark pink.—Chicago Carnation Co., first; La Crosse Floral Co., second; L. L. May & Co., third.

Fifty Prosperity, or its color.—Chicago Carnation Co., first.

Fifty white introduction of 1910.—Chicago Carnation Co., first, with Shasta.

Fifty light pink introduction of 1910.—Poehlmann Bros. Co., first, with Sangamo.

Fifty red introduction of 1910.—Chicago Carnation Co., first, with Scarlet Glow; Poehlmann Bros. Co., second, with White Perfection.

One hundred white.—Poehlmann Bros. Co., first, with White Perfection; Chicago Carnation Co., second, with White Perfection; La Crosse Floral Co., third, with White Enchantress.

One hundred light pink.—Poehlmann Bros. Co., first; Chicago Carnation Co., second.

One hundred dark pink.—Chicago Carnation Co., first, with Washington; La Crosse Floral Co., second.

One hundred flesh pink.—Chicago Carnation Co., first; La Crosse Floral Co., second; Poehlmann Bros. Co., third.

One hundred red.—Poehlmann Bros. Co., first, with O. P. Bassett; Chicago Carnation Co., second, with Victory; La Crosse Floral Co., third, with Victory.

One hundred any other variety.—Chicago Carnation Co., with May Day.

Roses.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

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One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Table decoration of roses.—O. C. Swanson, first, with Killarney roses and lily of the valley; L. L. May & Co., second, with Sunrise roses and lily of the valley; Minneapolis Floral Co., third, with their unnamed dark pink roses.

One hundred American Beauty.—Holm & Olson, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Fifty American Beauty.—Poehlmann Bros. Co., first; Holm & Olson, second; L. S. Donaldson Co., third.

Twenty-five American Beauty.—Holm & Olson, first.

One hundred Richmond.—Poehlmann Bros. Co., first; L. L. May & Co., second; L. S. Donaldson Co., third.

Fifty Richmond.—Poehlmann Bros. Co., first; L. S. Donaldson Co., second.

One hundred Killarney.—Poehlmann Bros. Co., first; Wendland & Keimel, Elmhurst, Ill., second; L. L. May & Co., third.

Fifty Killarney.—Wendland & Keimel, first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

One hundred White Killarney.—Poehlmann Bros. Co., first; Wendland & Keimel, second; L. L. May & Co., third.

Fifty White Killarney.—Poehlmann Bros. Co., first; Wendland & Keimel, second; L. S. Donaldson Co., third.

Fifty Brides.—L. S. Donaldson Co., first.

Fifty Bridesmaid.—L. S. Donaldson Co., first.

Fifty My Maryland.—L. L. May & Co., first; Poehlmann Bros. Co., second; L. S. Donaldson Co., third.

Fifty Perles.—Poehlmann Bros. Co., first; Holm & Olson, second.

Fifty any other variety.—Poehlmann Bros. Co., first, with Rhea Reid; Holm & Olson, second, with Rhea Reid.

Twenty-five Richmond.—Poehlmann Bros. Co., first.

Twenty-five Killarney.—Poehlmann Bros. Co., first; Wendland & Keimel, second; Chicago Carnation Co., third.

Twenty-five White Killarney.—Wendland & Keimel, first; Poehlmann Bros. Co., second; Chicago Carnation Co., third.

Twenty-five Bride.—L. S. Donaldson Co., first.

Twenty-five Bridesmaid.—L. S. Donaldson Co., first.

Twenty-five My Maryland.—Poehlmann Bros. Co., first.

Twenty-five Perles.—Poehlmann Bros. Co., first; Holm & Olson, second.

Twenty-five any other variety.—Holm & Olson, first, with Rhea Reid; O. C. Swanson, second; Hlawatha Gardens Co., third.

Twelve roses not in commerce.—Minneapolis Floral Co., with their unnamed pink.

Two hundred double violets.—Will Bros. Co., first.

Two hundred Princess of Wales.—Minneapolis Floral Co., first; Will Bros. Co., second.

One hundred lilies of the valley.—Poehlmann Bros. Co., first; L. S. Donaldson Co., second; L. L. May & Co., third.

One hundred cosmos.—Holm & Olson, first.

Twenty-five Lilium Longiflorum.—Minneapolis Floral Co., first; Holm & Olson, second.

Cut Flowers * E. H. HUNT *

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FLORISTS' SUPPLIES TOO.

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Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Table decoration, novelty and style to be considered, any flowers except orchids.—R. M. Chapman-Dillin Co., first; Minneapolis Floral Co., second; L. S. Donaldson Co., third.

Table decoration, orchids.—O. C. Swanson, first; L. S. Donaldson Co., second; L. L. May & Co., third.

Basket main feature orchids.—Holm & Olson, first; O. C. Swanson, second; L. S. Donaldson Co., third.

Bridal bouquet, any flowers except orchids.—O. C. Swanson, first; L. S. Donaldson, second; Holm & Olson, third.

One bride's and two bridesmaid's bouquets.—O. C. Swanson, first; Holm & Olson, second; Minneapolis Floral Co., third.

Colonial bouquet.—Holm & Olson, first; L. L. May & Co., second; O. C. Swanson, third.

S. D. D.

Yonkers Horticultural Society.

The first annual exhibition of the society was held November 10-11, in the Armory of Co. G, N. G. N. Y., on Waverly street, and was a success in every way, although the number of exhibits were not as large as we would wish on account of there being two exhibitions in New York at the same time, yet nearly all of the sixty-eight classes were competed in and the attendance better than any of us could expect for the first show in Yonkers. The success of the show is due largely to the members of the executive committee, all of whom worked well and hard. Music for the occasion was furnished by Compton's orchestra and was very much appreciated by the visitors. The judges were: Wm. Turner, of Oceanic, N. J.; Geo. Middleton, of Tarrytown, and Wm. Smith, of Port Chester. Among the commercial men to exhibit were Millot. A wedding decoration and a group of foliage and decorative plants; Peter Macdonald, a reception decoration; Yonkers Nursery Co., palms and ferns; Scott Bros., of Elmsford Nursery Co., chrysanthemums; Arthur Boddington, vegetables; and L. K. Wood, garden tools. A large number of visitors were present from out of town, among them being E. W. Newbrandt, Secretary of the Tarrytown Society; A. Boddington; Al. Rickard, of Rickard Bros.; C. McGarratt, of the W. E. Marshall & Co.; J. B. McArdle, of Vaughan's Seed Store; Lee Don and John Morrison, of Weber & Don.

Some of the largest exhibitors and prize winners were: Miss G. Iselin (E. Mackenzie, gardener); Adolph Lewishohn (J. Canning, gardener); Lilienthal Estate (H. Scott, gardener); Mrs. J. B. Trevor (H. Nichol, gardener); Miss G. H. Dodge (Wm. Wright, gardener); Fred-

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THE LARGEST,
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CUT FLOWER HOUSE
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32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Nov. 16.	
Roses, Beauty, extra select...	6 00
" " specials.....	5 90
" " 36 in.....	4 50
" " 30 in.....	4 00
" " 18 in.....	2 00
" " 15 in.....	1 25
" " Short....per 100	5 00@ 8 00
Per 100	
" Bride, Bridesmaid, select..	3 00@ 8 00
" " medium	2 00@ 2 50
" Killarney, select.....	3 00@ 10 00
" " medium and short	2 00@ 2 50
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Chateaux.....	2 00@ 10 00
" My Maryland.....	2 00@ 10 00
" Perle.....	3 00@ 10 00
" Richmond.....	3 00@ 10 00
" Uncle John.....	3 00@ 10 00
" White Killarney, select....	4 00@ 10 00
" " medium.....	2 00@ 3 00
2 00@ 3 00	
Carnations	2 00@ 3 00
" fancy C. P.....	4 00
Chrysanthemums....per doz.,	75@ 4 00
Cattleyas.....per doz.,	7 5 @ 9 00
Cypripediums.....	2 00@ 3 00
Gardenias.....per doz.,	3 00@ 4 00
Dendrobium Formosum.....	5 00@ 6 00
Gladioli.....	3 00@ 5 00
Lilium Harrisii....per doz.,	2 00 10 00@ 12 00
Lily of the Valley.....	2 00@ 4 00
Phalenopsis.....	12 00
Sweet Peas.....	75@ 1 00
Violets.....	75@ 1 00
Adiantum.....per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
" " " " " " " " " " " "	3 00@ 4 00
" " " " " " " " " " " "	3 00@ 4 00
Boxwood.....	15 00
Ferns.....per 1000,	1 50
Leucothoe.....	75
Mexican Ivy.....	75@ 1 00
Smilax.....	1 50@ 2 00
Wild Smilax.....per case,	5 00

erick Potter (W. C. Roberts, gardener); Mrs. T. H. Wheeler (H. Wells, gardener); S. Mittermeyer (A. Herrington, gardener); E. Gould (H. Jordan, gardener); Mrs. I. N. Seligman (J. H. Brunger, gardener); E. C. Benedict (R. Allen, gardener); and Chas. Mallory (W. J. Sealey, gardener).
L. WHITMAN.

Westchester County Horticultural Society.

The Northern Westchester County Horticultural and Agricultural Society of Mt. Kisco, N. Y., held their annual flower show on November 4-6. It was a grand success, considering the down-pour of rain during the show. Among the principal prize winners were: Twenty-four cut blooms chrysanthemums of twelve varieties—the Bailey cup. A massive combination of sterling silver and cut glass twenty inches high with a base twenty-four inches in circumference. Won by Wm. Rockefeller, Tarrytown, N. Y. (Geo. Middleton, gardener). Col. William Jay Katonah, N. Y. (A. L. Marshall, gardener), second. Twenty-four flowers, chrysanthemums, eight varieties—Miss C. A. Bliss, New Canaan, Conn. (Burns, gardener); Col. William Jay, second; Mrs. J. D. Laying (David Francis, gardener), third.

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Best quality at lowest rates. We gather our
own greens and bring by boat direct.
Christmas Trees and Bouges for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

Best six white—Miss C. A. Bliss, first; Mrs. J. D. Laying, second.
Best six yellow—Col. William Jay, first; Mrs. J. D. Laying, second.
Best six red—Miss C. A. Bliss, first; Katonahwood Farm (Wm. Wills, gardener), second.
Best six pink—Miss C. A. Bliss, first; Mrs. J. D. Laying, second.
Best six any other color—Miss C. A. Bliss, first; Mrs. J. D. Laying, second.
Best collection cut pompons—Miss C. A. Bliss, first; Col. William Jay, second.
Best collection of cut singles—Col. William Jay, first; Miss C. A. Bliss, second.
Best 20 plants, single stem, in pots—Mrs. J. D. Laying, first; Katonahwood Farm, second.
Best six singles in pots not exceeding eight inches—Mrs. J. D. Laying, first; Col. William Jay, second.
Best six bush plants not less than three varieties—Katonahwood Farm, first; Mrs. J. D. Laying, second.
Best specimen bush plant—Mrs. J. D. Laying, first; Mr. J. F. Sulton, Bedford Hills (D. Prozier, gardener), second; J. B. Harriman (M. J. O'Brien, gardener), third.
Best collection roses—Katonahwood Farm, first; Mrs. J. D. Laying, second.
Best seedling carnation not disseminated—Col. William Jay, first.

**NEW
Bronze Galax**

\$7.50 per case. Always the best in the market.

Mexican Ivy

\$1.00 per 100; \$7.50 per 1000.
Something very choice for special work.

Wild Smilax

\$5.00 per case.
Worth the difference.
Delivery on receipt of order.

Boxwood

\$7.50 per 50-lb. case.
The quality of our Boxwood is just right.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.**50-lb. cases****Wild Smilax**

50-lb. cases **Wild Smilax**, \$1.75 per case.
Direct from our shipping point, Pine Apple, Ala. When in need of excellent Wild Smilax, telegraph or write

Henry M. Robinson & Co.
PINE APPLE, ALA.

The above price is only direct from shipping point. Your orders will be filled at a moment's notice. **Satisfaction guaranteed.** If you once try us, you will always buy. To unknown customers, C. O. D. or cash with order.

SAMUEL F. LILLEY**WHOLESALE FLORIST**

5 South Mole Street
(Near Broad Street Station)

PHILADELPHIA, PA.

A good market, good stock, and satisfaction guaranteed.

Philadelphia.**BUSINESS IMPROVING.**

Business is steadily improving. There has been cold and windy weather during the past week and the supply in some instances has slightly fallen off, but not enough to have any appreciable effect on the market. The demand has been on the increase and everybody seems to be reasonably busy. There are yet many good chrysanthemums, the best kinds being now much in evidence and their season seems now at its height. The most noticeable falling off in supply has been with carnations, but while the chrysanthemums last the carnations can well be spared.

JOSEPH HEACOCK, STATE SENATOR.

Joseph Heacock, the well known grower of Wyncote and president of the Philadelphia Florists' Club, had additional honors thrust upon him at the election held November 8th. He was elected state senator from Montgomery county, defeating his republican opponent by a majority of 1,400. It would appear, however, that party lines were rather loosely drawn, as they should be when men of the high character of Mr. Heacock consent to run for office.

He has built up a great business as a grower of plants and cut flowers and is constantly extending it; he has a nation wide reputation for honesty and fair dealing and possesses the courage, firmness and ability required in a useful public servant.

Wholesale Flower Markets

PHILADELPHIA, Nov. 16.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" " first.....	8 00@10 00	
" " Brides and Maids.....	1 00@5 00	
" " Killarney.....	1 00@6 00	
" " White Killarney.....	1 00@5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz.,	2 00@3 00	
Lilium Harriell.....	6 00@8 00	
Lily of the Valley.....	2 00@4 00	
Snappdragons.....	3 00@5 00	
Violets.....	50@75	
Adiantum.....	75@1 00	
Asparagus.....per bunch,	50	
Smilax.....	15 00@20 00	

PITTSBURGH, Nov. 16.		Per 100
Roses, Beauty, special.....	15 00@20 00	
" " extra.....	12 00@15 00	
" " No. 1.....	6 00@8 00	
" " Bride Bridesmaid.....	1 00@6 00	
" " Chatsenay.....	1 00@6 00	
" " Killarney.....	1 00@6 00	
" " My Maryland.....	1 00@6 00	
" " Richmond.....	1 00@6 00	
Carnations.....	2 00@3 00	
Chrysanthemums.....	3 00@25 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@4 00	
Oncidiums.....per doz.,	3 00@5 00	
Paper Whites.....	4 00	
Romans.....	3 00	
Sweet Peas.....	50@1 00	
Adiantum.....	1 50	
Asparagus Sprenger, per bunch,	50	
" strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	
Cattleyas.....	60 00	

NOTES.

The correspondent of a contemporary has been criticising the labels and the spelling thereon at the recent show in Horticultural Hall. He reminds us of one of the characters in Eggleston's story, the "Hoosier Schoolmaster," who was a great speller, but was useless for any other purpose. Some very able men, George Washington for instance, never could learn to be good spellers, but they made great records in human affairs. While good labeling and spelling is very desirable in an exhibition an occasional lapse does not warrant an attack on the management in a public print.

Charles Henry Fox, at The Sign of the Rose, has a very novel window display. It is an easel effect with an art picture of mother and babe surrounded with flowers, which are arranged in small vases at various angles about the easel. At the bottom of the easel there is a cradle filled with flowers. The title of the show-card is, "For the New Arrival."

The Pennock-Meehan Co. is handling a very fine stock of American Beauty and other roses, noteworthy being the new yellow rose, Melody, which they receive from Robert Scott & Son, Sharon Hill. They are also strong on chrysanthemums and other leading stocks.

J. J. Habermehl's Sons have been very busy of late with wedding and other decorations. At their fine store in the Bellevue-Stratford there is a continuous decoration and exhibit of the finest stock.

The Leo Niessen Co. reports increased business during the past week, but for that matter, they always seem to be very busy. Their roses, chrysanthemums and carnations are very fine.

Stockton & Howe of Princeton, N. J., who exhibited the new rose, Princeton,

McCALLUM CO.

We are strong on
Good Beauties
and 'Mums.

Dagger Ferns, \$1.25 per 1000
Fancy Ferns, \$1.50 per 1000

Pittsburg :: Pa.**Pittsburgh Cut Flower Company****WHOLESALE GROWERS****121 Seventh St., PITTSBURGH, PA.****Pittsburg Florists' Exchange****WHOLESALE FLORISTS****All Seasonable Flowers****Consignments Solicited****15 Diamond Sq. PITTSBURGH, PA.****The Florists' Exchange....****729 13th Street, N. W.****WASHINGTON, D. C.**

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at Horticultural Hall, ship all their cut stock to Berger Bros., the Filbert street wholesalers.

Soil for Roses and Carnations.**ED. AMERICAN FLORIST:**

I forward you samples of soil from an old farm. Can you inform me whether this would make good soil in which to grow roses or carnations?
A. H.

The soil is the storehouse into which is incorporated the necessary ingredients for the growth of the plants. The sample of soil received is of good black loam, and is of a quality to produce strong vegetable growth, and should answer the purpose, but seems to lack the necessary fiber. Florists prefer the top six inches of old grass land having plenty of fiber, in which is mixed one-fourth manure, generally cow manure, which is allowed to stand composted until the sod has rotted enough to be easily pulled apart.
W.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE— J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO

Phone Main 584.

Boston.

AN IMPROVED MARKET.

While the large quantities of chrysanthemums that are being forwarded to the market have a tendency to keep the prices low, yet the market shows a much better tone. Roses are looking up and show a tendency to resume their normal place. Chrysanthemums have not realized the prices this fall that they have in former years, although the quality has been better. Carnations are selling slowly and it takes an exceptionally good grade to bring anything like a good price. New York is calling on Boston for good shipments of cattleyas. The retail stores have had a very busy week with receptions and funeral work and the fascination for beautiful store windows is very noticeable. There is a large variety of flowers on the market and a fair supply of sweet peas, lilies, violets, cypripediums and bouvardias is constantly arriving and in plants, begonias, primulas, azaleas and crotons are seen.

NOTES.

The Exeter Rose Conservatories of Exeter, N. H., sent into the market a sample lot of a new rose, White Chatenay. It is a buff white with the other characteristics like the well known Mad. Abel Chatenay.

The latest rumor in regards to the Doyle failure is that the committee of the creditors is considering a proposition to settle for 30 per cent cash.

Galvin decorated the reception given to the operatic stars of the season at the Lenox. American Beauty roses and oncidiums were the dominant flowers.

A. S. Parker is the proud father of a new boy which has been added to his family circle.

Potter Bros. of Danversport are new stall holders at the Exchange.

McMulken has been having a big call for cattleyas from New York.

W. T. H.

New York Bowling Club.

The New York Bowling Club met November 11, with rather a slim attendance, caused perhaps by the fact that two flower shows were running in the city. Some of the scores were as follows:

P. J. Smith 140 136 132 H. Ch'dw'k 204 176 256
J. A. Shaw 158 91 97 J. A. Manda ... 130
C. W. Scott 163 135 186 J. B. Nug'tat ... 105 83

The bowling match between the Astoria and New York clubs did not take place on Monday afternoon owing to the lack of attendance of the New Yorkers. Friendly games were in-

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Nov. 16.		Per 100
Roses, Beauty, best	20	00@25 00
" " medium	12	00@15 00
" " culls	2	00@4 00
" " Bride, Bridesmaid	1	00@4 00
" " Killarney and Richmond	5	00@8 00
" " My Maryland	1	00@6 00
" " Carnot	2	00@8 00
Carnations, select	1	00@2 00
" " fancy	2	00@3 00
Callas	8	00@10 00
Cattleyas	35	00@50 00
Chrysanthemums	8	00@25 00
Gardenias	16	00@25 00
Lilium Longiflorum	6	00@4 00
Lily of the Valley	2	00@4 00
Violets	50	@75
Smilax	12	00@16 00

ST. LOUIS, Nov. 16.		Per 100
Roses, Beauty, long stems	15	00@20 00
" " medium stems	8	00@10 00
" " short stems	2	00@4 00
" " Bride, Bridesmaid	2	00@5 00
" " Killarney	3	00@5 00
" " My Maryland	3	00@5 00
" " Richmond	5	00
Carnations	2	00@2 50
" " fancy	3	00
Easter Lilies	10	00@12 50
Adiantum	1	00
Asparagus Sprengerii	2	00@3 00
Smilax	12	50@15 00

CINCINNATI Nov. 16.		Per 100
Roses, Beauty	100	@3 00
" " Bride, Bridesmaid	2	00@6 00
" " Golden Gate	2	00@6 00
" " Killarney	2	00@6 00
" " Richmond	2	00@6 00
" " Pres. Taft	3	00@8 00
Carnations	1	00@3 00
Callas	10	00
Chrysanthemums	4	00@25 00
Daisies	50	
Lilium Longiflorum	10	00@12 50
Lily of the Valley	3	00@4 00
Adiantum	1	00@1 50
Asparagus Sprengerii, per bch.	25	
Smilax	12	50@15 00

MILWAUKEE, Nov. 16.		Per 100
Roses, Beauty	75	@4 00
" " Bride Bridesmaid	3	00@6 00
" " Killarney	3	00@8 00
" " Richmond	3	00@8 00
" " Perle	3	00@6 00
Carnations	1	50@3 00
Lilium Giganteum	1	50@12 50
Lily of the Valley	3	00@4 00
Magnolia	35	
" Mums	75	@3 00
" " Single and Anemone varieties	35	@50
Snapdragon	2	00@4 00
Violets	75	@1 00
Adiantum	1	50
Asparagus	50	@60
" Plumosus, per bunch	35	@50
" Sprengerii	35	
Ferns, Fancy	1	50@1 50
Galax	1	50@1 50
Smilax	1	50@1 50

dulged in, however, and some of the resulting scores were as under:

J. Donaldson	170	175	177	154
J. Miesam	219	196	171	173
W. H. Siebrecht	178	140	152	133
H. Lorenz	131	127	125	117
H. Siebrecht	125	126	162	116
H. Chadwick	161	200	141	217
C. W. Scott	133	124	180	121
P. Kessler	133	128	173	153
P. Einsman	171	147	153	123
J. A. Shaw	119	132	103	179
S. S. Butterfield	71	153	131	133
A. Moltz	114	99	88	
P. J. Smith	123	108		
F. H. Traendly	28			
W. J. Stewart				163

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

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Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES!

J. JANSKY,

19 Province St., Boston, Mass.

Manufacturer of Florists' Wire Frames.

All kinds of Florists' Supplies.

Ferns, Galax, Holly, Laurel Roping,
and Everything in the Green Line
—LOWEST PRICES IN THE CITY.—

CARLISLE, PA.—D. E. Leckey, who recently purchased the Nailor greenhouses on North High street has removed them and is rebuilding the same on his own lot on Green street.

ALBANY N. Y.—Fred A. Danker, 40 Maiden Lane, has hired the store next to the one he has occupied, making one large store of the two, and has installed a very handsome refrigerator at an expense of \$1,000.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in Supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago**New York.****TRADE DISAPPOINTING.**

The cut flower business is not quite up to its usual standard for this time of the year. The weather seems to be favorable enough for all purposes and it hardly seems as though the striking express drivers should have much effect on city trade in general. It is a fact, nevertheless, the wholesale men as a body admit that trade is just a trifle disappointing. Roses have diminished materially in quantity, consequently prices are moderately firm, with a slight advance over last week's figures. Chrysanthemums are still very plentiful. Such grades as can be handled around the one dollar per dozen figure are the most popular, seemingly irrespective of color or variety. Golden Wedding and similar high class blooms occasionally touch \$4 per dozen or a little better but the quantities of this grade are very infinitesimal compared with the great bulk of stock available. Carnations are fairly plentiful, standard sorts bringing medium prices and fancy grades going a little higher. Violets are doing somewhat better than they were a week ago. Cattleyas are still limited in supply, though the asking price is not high. Gardenias are selling well. Sweet peas are not by any means very numerous, yet there seems more than enough to meet all demands. There is a little white lilac arriving daily and *Lilium longiflorum*, *L. rubrum* and Paper White narcissus are regular features. Smilax and asparagus are meeting with very fair call with no change in values. There is still a wealth of autumn foliage available which answers nearly all the needs for decorative purposes.

FLORISTS' CLUB MEETING.

The November meeting of the New York Florists' Club was held November 14 in the Grand Opera House building, President A. L. Miller in the chair. Owing to this being a "Ladies' Night" and that an illustrated lecture was to be given, the ordinary business session was made as brief as possible. Secretary John Young read the minutes of the previous meeting, which were adopted; Harry A. Bunyard reported for the Outing Committee and showed that owing chiefly to inclement weather, a deficit of about \$95.00 resulted from the last excursion, on the motion of Mr. P. O'Mara, final action was deferred. F. H. Traendly reported progress for the Bowling Committee and W. J. Stewart as chairman of a committee on resolutions presented the following testimonial on the death of Lyman B. Craw:

"Whereas, our beloved friend and fellow member, Lyman B. Craw, has been called from earth to his eternal home, "Resolved, That in the death of Mr. Craw, the New York Florists' Club has sustained a great and irreparable loss. Mr. Craw possessed the affectionate esteem of our members in the fullest degree and in this loving record we desire to give expression to our loving remembrance of his genial companionship, our admiration for his many estimable qualities of mind and heart, his devotion to his family and his manly fortitude under great suffering and the shadow of death—to his bereaved family we extend our deepest condolence and sympathy."

Anton C. Zvolanek, Bound Brook, N. J., exhibited a few vases of well grown sweet peas, and S. S. Pennock, Philadelphia, Pa., brought in two new roses

from Robert Scott & Sons, Philadelphia, Melody, a yellow, straight stemmed and with clear dark green foliage, the buds cut rather too early if anything for showing to the best advantage, and a sport from White Killarney which is named Double Pink Killarney, deep pink in color and with much fuller petalage than the original Killarney. The committee of awards gave a preliminary certificate to each of the roses and made the request that they would like to see Melody again with the flowers further developed. Chairman C. W. Weatherhead of the nominating committee presented the following names to be balloted on at the December meeting: For president, J. A. Manda and J. B. Nugent; vice-president, H. A. Bunyard and J. H. Fischer; treasurer, W. C. Rickards and J. R. Kennedy; secretary, John Young and J. H. Pepper; trustees, I. S. Hendrickson, F. H. Traendly, Chas. Weber, H. Weismann, J. Rasback and Chas. H. Totty. The following gentlemen were elected to membership: Olaf Blomberg, M. C. Ford, Maurice Kleinmann, Wm. A. Phillips Chas. Shuster, James Fenn, John Graff, W. J. Moore, Percy B. Rigby and Wm. Taat.

John J. Withers then gave his talk about his personal trip around the world, illustrated with views recently taken by himself. He first presented a few scenes from some of the beauty spots of our own country, then proceeded on his circling of the globe, via San Francisco, Hawaii, the Philippines, Japan, China, Borneo, India, Italy, Monte Carlo, etc. The pictures and the discourse were both thoroughly enjoyed, the lecturer holding his audience enthralled from start to finish. At the close of the talk Chairman Nugent of the entertainment committee and his aids, Messrs. Kuhne and Schultz, served an elegant luncheon to the ladies, the male portion of the crowd being regaled with roast beef and liquids in abundance. Following the feast a short musical programme was rendered and a instrumental quartet interspersed with vocal selections. The attendance was extremely large, a great many ladies being present. A little after midnight the assembly disbanded, all declaring that this had been one the best "Nights" ever.

THE STRIKE OFF.

It looks at this writing that the expressmen's strike is nearing the end and we heartily hope this comes true. This strike has dealt particularly hard with those retailers who have a large out-of-town connection for they have necessarily had to refuse all orders that could not be delivered by their own messenger, which practically has limited their territory to within a radius of 30 miles of this city, a great deal of money, we believe, having been lost to retailers on this account.

Later.—The strike has been declared off and the drivers and their helpers went to work Monday, a satisfactory agreement having been reached, for which let us all be thankful.

NOTES.

The seed houses, from what we could gather, are experiencing a general lull in counter sales. Window displays are decidedly attractive in all of the leading stores. Vaughan's Seed Store are making bulbs the chief attraction, as also is The Droelman Co. The Peter Henderson Co. have attractive displays of potted chrysanthemums and specimens of vegetables in many varieties. Wm. Elliott & Sons, in addition to

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers.
Consignments Solicited.

bulbs, are showing a line of evergreens. The Stump & Walter Co. maintain pleasing show windows, with bulbs and hardy plants as special features.

The James Weir (Inc.) Co. is a new name in Brooklyn retail circles. James Weir is the son of the well and very favorably known John Weir, whose Fulton street store and growing establishment at Sixty-fifth street and Fifth avenue are landmarks in Brooklyn's floral history. The personnel of the new company is James Weir, H. Young and E. C. Brown. The company is capitalized at \$5,000.00. All are Brooklyn gentlemen and they have the good wishes of the trade of the city.

Horse show week is bringing a great many people to the city and hotels are benefited a great deal thereby. This feature does not bring the "grist" to the florist trade that used to be the rule years ago, still, the show no doubt will have some effect in stimulating the social set to entertaining, and a slight impetus to retail trade will no doubt materialize.

The many friends of the Manda family, W. A., A. J. and J. A., all of whom are well known to the trade, will hear with regret of the death of their elder brother, which occurred very suddenly on November 13. The deceased was a jeweler with the well known house of Tiffany, where he had been for many years.

Retail show windows are extremely attractive all over town, the wealth of chrysanthemum blooms and the abundance of autumn foliage, together with the reasonable prices at which they can be procured, making it possible for every retailer to put in a magnificent display at but a moderate cost.

The auction salesrooms of Wm. Elliott & Sons and the Macniff Co. are the Mecca of a great many suburban buyers at this season of the year and a vast amount of bulbs and hardy stock is being disposed of.

The bargain sales of chrysanthemums as advertised by one of the leading managers of department store floral trade, has been a great help in relieving the wholesale district of surpluses of these flowers.

C. H. Totty, Madison, N. J., carried his district for office of councilman. He feels rather proud of this achievement, being the only Republican elected on the board.

We are reliably informed that the attendance at the flower shows at both Elberon, N. J., and Yonkers, N. Y., was rather poor.

The Madison, N. J., show had adverse weather from first to last, with rather a damaging result on the finances.

C. W. Scott, of the Yokohama Nursery Co., reached home November 11 from a business trip to Chicago.

PARKERSBURG, W. VA.—The city park committee of the Council have let the contract for the erection of a greenhouse in the park.

Young & Nugent,

Telephone 2065-2066 Madison Square
42 West 28th Street,
 To out-of-town florists
New York
 We are in the Heart of
 And give special attention to steamer and Theater orders. Prompt
 deliveries and best stock in the market.

D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Willson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.
 Telephones ³⁶⁴² } Main. 162 Livingston St., BROOKLYN, N. Y.
 3643 }
 6028 }

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WHOLESALE FLORIST

55 and 57 West 26th St., **NEW YORK**
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 Trial
 We can
 Please you.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
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BUFFALO N. Y.
 Florists' Supplies and Wire Designs.

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N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
 Open for Cut Flower Sales at 6
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Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
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P. J. SMITH,

Are the best product of the best growers
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Adiantum Croweanum sold here exclusively.

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WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
 Phones: 798 and 799. **NEW YORK**

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Phone: 5335 Madison Sq. Consignments of Cut Flowers Sold

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WHOLESALE FLORISTS

34 West 28th St., **NEW YORK.**

PHONES ¹⁶⁶⁴ } Madison Sq. Consignments Solicited.
 1665 }

Wholesale Flower Markets

NEW YORK, Nov. 16.	
Roses, Beauty, special.....	15 00@30 00
" extra and fancy.....	5 00@10 00
" No. 1 and No. 2.....	3 00@4 00
" Bride, Bridesmaid, special.	4 00@6 00
" extra and fancy.....	3 00@4 00
" No. 1 and No. 2.....	1 50@3 00
" Killarney, special.....	4 00@6 00
" extra and fancy.....	3 00@4 00
" No. 1 and No. 2.....	1 50@3 00
Carnations.....	1 50@4 00
Chrysanthemums..... per doz.	75@100 75 00
Cattleyas.....	40@100 75 00
Gardenias..... per doz.	75@3 00
Lilium Longiflorum.....	4 00@5 00
Lily of the Valley.....	2 00@4 00
Narcissus P. Whit.....	2 50@3 00
Sweet Peas..... per doz. bchs.	60@75
Violets.....	50@1 00

BUFFALO, Nov. 16.	
Roses, Beauty, special.....	20 00@25 00
" fancy.....	15 00@20 00
" extra.....	10 00@15 00
" No. 1.....	8 00@10 00
" No. 2.....	4 00@
" Bride, Maid, Killarney.....	3 00@8 00
" Kaiserin.....	4 00@8 00
" Pres. Carnot.....	4 00@8 00
White Killarney.....	4 00@8 00
Carnations.....	2 00@3 00
Chrysanthemums.....	6 00@20 00
Pompons, per bunch.....	25@35
Callas.....	10 00@12 00
Lilium Longiflorum.....	1 00@12 00
Lilium Speciosum.....	3 00@4 00
Lily of the Valley.....	3 00@4 00
Mignonne.....	3 00@4 00
Narcissus Paper Whites.....	2 00@3 00
Snapdragons.....	3 00@5 00
Stevia.....	1 00@1 25
Sweet Peas.....	50@75
Violets.....	60@75
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch.....	35@50
Asparagus Sprengerii.....	35@50
Asparagus Str.....	50@60
Ferns..... per 1000.....	\$1 50
Galax, green and bronze.....	75
Leucothoe Sprays.....	15 00
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST.

55 W. 28th Street, **NEW YORK.**

All flowers in season. Consignments of first-
 class stock solicited.

Phones 4626 and 4627 Madison Square.

Charles H. Totty

MADISON, NEW JERSEY

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Chrysanthemum Novelties my specialty.

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Mention the American Florist when writing

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WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,
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Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
 Prompt and satisfactory. Consignments solicited

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Successor to FORD BROS.

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 Shippers of

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Telephone 3870-3871 Madison Square

Mention the American Florist when writing



George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.

Delivered to all parts of United States and Canada
127 W. 28th St., bet 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Southern Wild Smilax

Now ready for shipment.

Perpetuated and Natural Sheet **MOSSSES**

Satisfaction guaranteed.

E. A. BEAVEN, Evergreen, Ala.

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly,
on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Rose Dorothy Perkins.—I have never before seen the flowers of the above-named rose as rich in color as they have been this year. For several years I have noticed the same plants, some growing near walls with south aspects, others on pillars, pergolas, and arches, and those plants trained on the warm walls bore very pale-colored blossoms. This year, however, all seem to be excellent, not in one county only, but in many. I attribute the satisfactory condition of the flowers to the fact that the weather generally has been much cooler and not very bright. For a number of years that grand variety Crimson Rambler, was a failure on hot walls, but always a success on arches and pillars in the same garden.

Of course, we like to grow the various sorts of roses in certain positions, but I am quite sure that, generally, climbing varieties are not as satisfactory when trained on hot walls as in more open quarters. I daresay many readers have noted this fact also, and it would be well if inexperienced persons who intend to plant roses during the coming autumn made a note of it, too.

A good deal of interest has been aroused in the discussion at the International Road Congress at Brussels on the effect on vegetation of tarring the roads in order to prevent clouds of dust raised by motor traffic. Some diversity of opinion prevails among authorities on the matter. Motorists naturally hail the advent of the tarred road as a boon and a blessing. Arboriculturists, on the other hand, assert that in coping with the dust difficulty by means of tarred thoroughfares the evil is accentuated as far as they are concerned. While the dust of the road did comparatively little harm to trees

A Blessing to the Retail Florists

From the House That Cuts Prices on Best Quality Stock

Violet and Green Tin Foli, best quality .17c per lb.
Plain Foli 9c per lb.
Imported Magnolia Leaves . . . \$2.00 per hamper
Boxwood Sprays, very best quality . . . 15c per lb.

Best quality Wild Smilax . . . \$6.00 per 50-lb. case
Immortelles 14c per bunch
13c per bunch in case lots, 125 bunches in case

It will pay you to buy from us, as you will save money on every article you buy.

HENRY M. ROBINSON & CO.

Manufacturers and Importers of Florists' Supplies, Dealers in Hardy Cut Evergreens.

TRY US.
WE NEVER DISAPPOINT.

15 Province St.,
9 & 15 Chapman Pl., Boston, Mass.



FANCY FERNS, \$1.25 per 1000

New Crop Galax, Bronze or Green . . . \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales . . . \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze . . . \$1.00 per 100; \$7.50 per 1000
Boxwood per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets . . . \$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

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All phone connections.

DETROIT, MICH.



Thanksgiving Specialties

Galax, Ferns and Leucothoe

Per 1000
Green and Bronze Galax, . . . \$0.50 or \$4.00 per case of 10-000
Dagger and Fancy Ferns, 80 or 3.00 per case of 500
Long Green Leucothoe Sp's 200 or 3.50 per case of 2000
Short " " 1.00 or 4.00 per case of 500
Long Bronze Leucothoe Sprays, per 100 . . . \$2.50
Short " " per 1000 . . . 1.50

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Wire us at Elk Park, N. C.

North Carolina Evergreen Co., BANNERS ELK, N. C.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

Evergreen Boughs for Decorating

Per 100 pounds Per 100 pounds
Arbor Vitae, 5 to 10 in. \$1.50; 12 to 36 in . . \$1.00
White Spruce, 5 to 10 in. 1.50; 12 to 36 in . . 1.00
White Pine, 5 to 10 in. . . 1.50; 12 to 36 in. . . 1.00
Sphagnum Moss, per bale 75c; 10 bales, \$6.50.

Cash with order.

CHAS. F. UECKE, New London, Wis.

Fancy Holly, Sheet Moss,

**LAUREL, TOMATO SEED,
Autumn Foliage, Mistletoe.**

Ask for prices and references.

W. Z. PURNELL, Snow Hill, Md.

and plants, the particles of tar now raised by passing vehicles exercise a caustic action upon them and cause leaves and fronds to wither. The first effect of the particle of tar is to cause a brown spot to appear on the leaf—a prelude to the subsequent crinkling up. Vegetation in the Bois de Boulogne has suffered greatly from the effects of the tarred road, but it is impossible—as far as this country is concerned—definitely to ascribe to this cause the premature appearance of the "sere and yellow leaf."

There is a romantic story connected with the restoration of the parish church of Chatteris, Cambridge, opened last Sunday. The work has been carried out mainly by means of a legacy left by William Right, son of a former sexton. The latter held the post in the early part of last century, and his son, William, left for America when in

his teens. He obtained a humble position in the president's garden at White House, and eventually obtained a position of trust in the gardens under Presidents Grant, Lincoln, Hayes, Garfield, Cleveland and Harrison. Retiring, he came back to England and settled down in Walthamstow. During a holiday visit to his old home some years previously he found the parish church in a state of great decay, and in his first will he left £500 to the Bishop of Ely to create a fund for the repair of Chatteris Church. Later on his affection for the old church increased, and after certain family bequests he left the residue of his property, consisting of houses in Walthamstow and American securities, to the restoration fund, and in all the legacy has amounted to nearly £5,000. This has been augmented by about £3,000, and now, six years after his death, the object of his ambition is completed.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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J. J. HABERMEHL'S SONS

Florists, Bellevue - Stratford and Diamond and 22nd Streets

CHOICEST FLOWERS ARTISTICALLY ARRANGED.

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Floral Designs and Decorations.

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Established in 1857.



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WE HAVE THE BEST FACILITIES IN THE CITY

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
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NEW YORK, LONG ISLAND and NEW JERSEY.

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Eleventh Street above Chestnut.

Flowers and Decorations.

Palms and Decorative Material
To Hire to the Trade for all Occasions.

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Wholesale and Retail Florist

25 Monroe St.

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Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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Personal Attention to all Orders.

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FLORISTS
New York:

1153 Broadway and Waldorf-Astoria.
Washington, D. C.: Cor. 14th and G Sts.
Mention the American Florist when writing

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

November 22.

George Washington, N. Ger. Lloyd, Hoboken Pier.
Rotterdam, Holl.-Amer., Hoboken Pier.
FROM BOSTON, Ivernia, Cunard.

November 23.

Teutonic, White Star, Piers 60 and 61, North River.
Finland, Red Star, Pier 59, North River.

November 24.

Amerika, Ham.-Am., Hoboken Pier.
La Touraine, French, Pier 42, North River.

November 25.

FROM PHILADELPHIA, Manitou, Red Star.
November 26.

Baltic, White Star, Piers 60 and 61, North River.
St. Louis, American, Pier 62, North River.
California, Anchor, Pier 64, North River.
Chicago, French, Pier 84, North River.
FROM PHILADELPHIA, Friesland, American, Pier 54.

November 29.

Kronprinz Wilhelm, N. Ger. Lloyd, Hoboken Pier.
Ryndam, Holl.-Amer., Hoboken Pier.
November 30.

Mauretania, Cunard, Piers 54 and 56, North River.
Oceanic, White Star, Piers 60 and 61, North River.
Kronland, Red Star, Pier 59, North River.
Romanic, White Star.
FROM BALTIMORE, Breslau, N. Ger. Lloyd, Pier 9, Locust Point.

December 1.

La Bretagne, French, Pier 42, North River.

December 3.

Celtic, White Star, Piers 60 and 61, North River.
New York, American, Pier 62, North River.
Furnessia, Anchor, Pier 64, North River.
Batavia, Ham.-Am., Hoboken Pier.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

Kansas City, Mo.

WILLIAM L. ROCK,
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Will carefully execute orders for
Kansas City and any town in
Missouri, Kansas or Oklahoma.

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Flowers in any arrangement for all occasions,
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Flowers or Design Work.

Delivered in Albany and Vicinity on
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319 MAIN PHONE.
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All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

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John G. Heint & Son,
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Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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FLORIST

Connecticut Avenue and L Street.

Rochester, N. Y.

J.B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2144

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
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Flower & Plant Co.

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Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them

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Write, Wire or Phone Your Orders to

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Regular discount allowed on all orders, either
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Incorporated, \$50,000.00.

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Organized for prompt and efficient
service to all parts of the
civilized world.

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60 KEARNEY STREET.

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Battle Creek, Mich.

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Wholesale and Retail Florists.

We Handle Everything in Season.

Mention the American Florist when writing

Denver, Colo.

The Park
...Floral Co.

J. A. VALENTINE, President.

Mention the American Florist when writing

Washington, D. C.

Geo. C. Shaffer,

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Phone 2416 Main 14th & Eye Sts., N. W.

Write Telegraph or Telephone.



Atlanta, Ga.

Atlanta Floral Co.

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Rockford, Ill.

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Wholesale and Retail Florist.

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"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We
cover all points in New England.

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Mention the American Florist when writing

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Established 1849

David Clarke's Sons

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2139-2141 Broadway

Telephones:

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Orders for delivery in this city and every city
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Successor to Chas. W. Reimers.

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Long Distance Phone.

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Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

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FLORISTS

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THE ANDERSON FLORAL CO.

503 MARSHALL AVE.

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Orders will be carefully
cared for by

HENRY SMITH,

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Tacoma, Wash.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



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KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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The Most Central Location in City.

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All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
Boston—Penn. the florist, 43 Bromfield St.
Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julian Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. Av.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg Flower and Plant Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
New York—David Clark's Sons, 2139 Broadway.
New York—Dards, 44th and Madison Ave.
New York—International Floral Assn.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Philadelphia—George Craig.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Philadelphia—Frank L. Polites.
Philadelphia—Rupert Klenle.
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St. Louis—Young's, 1406 Olive St.
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St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Tacoma, Wash.—California Florists, 907 Pacific Ave.
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Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
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NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
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**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty.

216 W. 4th St.

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Canada's best known and most reliable florist

**Only
the
Best
Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

GROUND PINE will be less than half the usual output in the west.

ENGLISH growers are taking California culinary peas at good prices.

VISITED CHICAGO: Lester L. Morse and O. L. Coulter, of Santa Clara, Cal.

CATALOGUE firms should see that their supplies of paper are not delayed by railroad strikes.

HOLLY berries are reported coloring, but not yet ready for shipping. There will be some small lots for Thanksgiving.

CHICAGO.—Prices on the board of trade November 16 for grass seed were noted as follows: Timothy, \$8 to \$9.25 per 100 pounds. White clover, from \$22 to \$28.

DES MOINES, IA.—K. H. Guthrie, formerly with the Iowa Seed Co., and more recently of the Guthrie-Lorenz Co., has organized the Des Moines Seed Co., and will take over the business of E. J. Hahberger, 409-11 Fifth street.

CONRAD APPEL, Darmstadt, made a very attractive display of his specialties in grass and clover seeds, also fir cones, at the Brussels Exposition and for a similar exhibit at the Industrial Exhibition at Allenstein (East Prussia) he was awarded the highest prize, a silver medal with diploma.

F. C. Heinemann's Novelties for 1911.

F. C. Heinemann of Erfurt, Germany, is offering for the season of 1911, the following novelties which are highly recommended as worthy additions in their several species.

Verbena hybrida gigantea, new giant flowered verbenas, the flowerets are enormously large and contain a large percentage of red colors of various shades and have without exception a large brilliant white eye, which gives the flower a very effective appearance.

Dianthus Heddegi marginatus, single Japan-pink, silveredged, a striking novelty forming dwarf compact bushes bearing medium sized flowers of dark blood red with purple hue with a

uniform white edge around the flower which is slightly fringed.

Papaver somniferum, single poppy Black Prince, a novelty for vases. The flowers are of a brilliant blackish brown color with violet hue to which the white stamens and yellowish green seed pod makes a beautiful contrast.

Gloxinia hybrida crassifolia crispa Waterloo, a vigorous healthy plant with gigantic sized flowers having a broad open throat with seven petals, the edge is slightly undulated and ruffled. The blackish purple color of the flower shades toward the edge into shining crimson.

Salpiglossis variabilis superbissima, new Emperor salpiglossis, purple violet with gold, a new valuable color, which will be a welcome addition to this superb strain.

Imports.

During the week ending October 8 imports were received at New York as follows:

McHutchison & Co., 133 cases plants and 12 trees in tubs.

Wm. Hagemann & Co., 87 cases plants.

A. Rolker & Son, 84 cases plants.

Vaughan's Seed Store, 51 cases plants and three cases bulbs.

H. Frank Darrow, 50 cases plants.

Stumpp & Walter Co., 22 cases plants and four cases bulbs.

Wm. Elliott & Son, 21 cases and three packages bulbs.

Peter Henderson & Co., 15 cases plants and 532 bags seed.

MacNiff Horticultural Co., 14 cases bulbs.

P. Ouwerkerk, seven cases trees.

F. R. Pierson Co., four cases bulbs.

Ralph M. Ward & Co., three cases bulbs.

Wadley & Smythe, three cases trees and shrubs.

J. G. Neidinger, 300 cases immortelles.

To others: 1,150 cases, 22 tubs and one box plants; 688 bags, 375 sacks, 208 barrels and 10 cases seed; 189 trees in tubs; 154 cases bulbs, 110 cases and 17 packages trees and shrubs; 91 cases orchids.

During the week ending October 15, imports were received at New York as follows:

Henry Nungesser & Co., 499 bags seed.

McHutchison & Co., 141 cases plants.

H. Frank Darrow, 74 cases and tubs plants, and 23 packages seed.

J. M. Thorburn & Co., 44 bags seed and seven cases trees.

Stumpp & Walter Co., 38 cases plants, 22 bags fertilizer, 19 bags soot and three cases bulbs.

F. R. Pierson Co., 24 cases plants.

Yokohama Nursery Co., 23 cases plants.

William Elliott & Sons, 20 cases bulbs and four cases plants.

Julius Roehrs Co., 19 cases plants.

Anton Schultheis, 10 cases plants. Vaughan's Seed Store, six cases bulbs.

Reed & Keller, six cases dried plants.

Peter Henderson & Co., three cases bulbs.

MacNiff Horticultural Co., one case bulbs.

A. T. Boddington, 20 bags fertilizer and 95 bags soot.

To others: 6983 bags, 603 barrels, 55 packages and 31 cases seed; 1,089 packages, 243 cases, 171 barrels of trees and shrubs and 110 trees in tubs, 1,004 cases and one box plants, 130 cases bulbs and roots and 25 cases immortelles.

During the week ending October 22, imports were received at New York as follows:

Albert Dickinson Co., 300 bags seed.

H. Frank Darrow, 122 packages seed, 67 cases plants, seven cases trees and two cases bulbs.

Peter Henderson & Co., 170 bags seed.

McHutchison & Co., 43 cases plants and 24 cases trees.

Ralph M. Ward & Co., 63 cases plants.

Vaughan's Seed Store, 34 cases plants.

P. Ouwerkerk, 25 cases trees.

Stumpp & Walter Co., 20 bags manure.

Wm. Elliott & Sons, 11 cases bulbs.

MacNiff Horticultural Co., 11 cases bulbs.

Aug. Rolker & Sons, six cases plants.

To others: 2071 bags, 390 barrels and 105 double bags seed; 1,006 packages and 207 cases trees and shrubs, 459 cases, 219 bundles, 42 packages and one box plants; 112 cases bulbs, 86 trees in tubs, one case orchids, one barrel cycas stems and one box leaves.

During the week ending November 12, imports were received at New York as follows:

H. Frank Darrow, 391 packages seed, 28 cases bulbs, two cases roots.

Stumpp & Walter Co., 97 cases roots, 10 cases mushroom spawn.

Reed & Keller, 88 cases immortelles.

Henry Nungesser & Co., 75 barrels seed.

Vaughan's Seed Store, 116 packages trees, 60 bags manure, 17 cases trees.

McHutchison & Co., 45 cases shrubs, 24 trees in tubs.

Wm. Elliott & Sons, 36 cases plants, four cases trees.

Henry A. Dreer, 33 cases trees.

Russin & Hanfling, 30 cases immortelles.

Ralph M. Ward & Co., 28 cases roots.

Peter Henderson & Co., 25 cases roots, 22 bags seed, 14 cases bulbs.

August Rolker & Son, 22 cases plants.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE,

CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
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Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.



Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

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Grand Rapids, Mich.



Salvia Seed

FOR SEEDSMEN

I have a small surplus of my own growing at
"Floracraft Gardens," as follows:

Salvia Splendens.....\$0.75 per oz.; \$ 9.00 per lb.
" Clara Bedman or Bonfire.....\$1.60 per oz.; \$16.00 per lb
All 1910 crop.

STOKES' SEED STORE, 219 Market Street,
PHILADELPHIA, PA.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most
beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kafir Corn, \$1.50	Yellow Bird Millet, \$1.75
Fancy Hump Seed, 2.75	Bird Vetches, 2.25
Sicily Canary Seed, 2.62	
German Bird Rape, 3.50	Red Bird Millet, 2.25
Canada Field Peas, .. \$1.50 per bushel.	

Terms: 1 per cent 10 days, 6 days net. All in
original bags weighing 250 lbs. which are weighed
in. **J. BOLGIANO & SON,** Importers and Whole-
salers, Baltimore, Md. Established for 92 years.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Weeber & Don, 15 cases bulbs.
MacNiff Horticultural Co., 14 pack-
ages trees.

J. M. Thorburn & Co., 13 packages
shrubs, nine cases bulbs.

Burnett Bros., 13 cases roots.
H. H. Berger & Co., 11 cases roots.

O. V. Zangen, six cases roots, four
cases shrubs.

Fruit Auction Co., six cases plants.
J. M. McCollough's Sons Co., four
cases trees and shrubs.

Wm. Hagemann & Co., two cases
roots.

A. T. Boddington, one case trees.

To others: 829 bags, 535 barrels,
141 packages, 81 cases and nine boxes
seed, 570 cases lily of the valley pips,
404 cases and 23 packages trees, 260
cases roots, 211 cases shrubs, 65 cases
bulbs, 44 cases trees and shrubs, 44
packages, 33 cases, seven boxes and
one crate plants, eight barrels rose
bushes, two cases roses, three pack-
ages shrubs and two cases orchids.

MONTROSE, PA.—Miss Anna L. Nash,
daughter of W. W. Nash, the well
known florist, died suddenly at her
home on South Main street, October 24.
The funeral which took place October
27, was one of the largest attended
ever held in the town, several delega-
tions from societies of which the de-
ceased was a member being present.

Lilies of the Valley

Brun's Celebrated

Chicago Market Brand

Finest Valley for Xmas Forcing.

\$15.00 per 1000. \$1.75 per 100.

(Cold Storage Valley sold out.)

H. N. BRUNS,

3040 Madison St., CHICAGO.

BULBS

For good flowers buy good
bulbs. Note the Prices.

Write for complete list.	Per 1000
Paper White Grandiflora, fine stock.....	\$ 3.00
Empress, Double Von Sion or Princess.....	10.00
Emperor.....	12.00
Stella, Figaro, Cynosure.....	2.00
Grand Monarque.....	8.00

The Leedham Bulb Company, Santa Cruz, Calif.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

NAUGATUCK, CONN.—The greenhouses
owned by H. G. Dennison have been
bought by Howard L. Hamilton of
Rockville.

If your business de-
mands a good article in
Lily Bulbs you cannot do
better than to buy **Horse-
shoe Brand** Bulbs. They
are produced by the best
growers in Japan, and
are positively the cream
of the crop. Selected
carefully, graded and
packed by experienced
Japanese, registered and
sent to this market for
those who are particular
what kind they buy.

Our prices for Novem-
ber are as follows:

FORMOSAS

6x8-inch, \$20.00 per case of 400 bulbs.	
7x9 " 21 00 " 280 "	
8x10 " 21.60 " 240 "	
9x10 " 21.00 " 200 "	

MULTIFLORUM

7x9-inch, \$16.50 per case of 300 bulbs.	
8x10 " 16.25 " 250 "	
9x10 " 17.00 " 200 "	

GIGANTEUM

6x8-inch, \$20.00 per case of 400 bulbs.	
7x8 " 22.75 " 350 "	
7x9 " 22.50 " 300 "	
8x10 " 25.00 " 250 "	
9x10 " 22.00 " 200 "	
9x11 " 21.50 " 180 "	

F.o.b New York, Cincin-
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have 5 per cent for cash
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Storage during 1911.

A catalog free.



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"Not How Cheap—
But How Good." 12 WEST BROADWAY,

NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa. President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

NORFOLK, VA.—The Virginia Truck Experiment Station are erecting a greenhouse 21x100 feet. A steam plant is being installed and will be used for the purpose of heating 12,000 feet of hot beds. Considerable attention is now being paid to experiments with the aphis and worms affecting cabbage.

Market Notes.

The lettuce season opens again with slow demand and low prices. It is an undeniable fact that the production of leaf lettuce has fully caught up with consumption under normal conditions and for a man to expect to unload enormous quantities of leaf lettuce is a risky business in our section at least, and more so in the fall months, because there are many other things to attract the buyer's attention. At present choice scarlet Globe radishes, young beets, green string beans, parsley, green onions, cauliflower, cucumbers and tomatoes are eagerly snatched up at good prices, while lettuce is passed by. All the articles mentioned can be produced under glass in the fall months in most sections of the country.

Of course, these things demand greater skill on the part of the grower, but with a good line of such goods one is sure of his market for years to come. The great mistake made by average growers is that they attempt a new crop and if it does not immediately jump into money they drop it forever. Thus the grower may not have the proper variety or come in at a wrong time, or bunch and pick unsuitably, or again, his market may be wholly unprepared—that is not used to such goods. All these things need a little time and patience to develop them and the result is well worth the price. Some growers relieve their glass area by producing part cut flowers in the fall months, such as chrysanthemums. This may work well with some, but the greater part of vegetable farmers could not succeed at this. When we look at the enormous shipments of green vegetables from the south and compare cost and quality, it seems there was yet room for more glass in the north if the growers would produce more variety and build up their markets.

Some of the crops mentioned need advance preparation. Parsley is sown out doors in the spring and housed in September. Cauliflower may be grown out doors to the point of heading and transplanted in October into a cool house. Onions are produced by growing the Egyptian Perennials out doors and either dug as needed or stored in trenches for winter use. They come into use very quickly, as a couple of weeks in a warm house will finish them off. This is a wide field of opportunity and growers should study up on these lines.

MARKETMAN.

Toledo, O.

FLORISTS' CLUB MEETING.

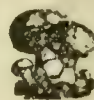
The chrysanthemum show which the Toledo Florists' Club held last week, was a very enjoyable and social affair; it brought all the members and their ladies out in full force to see what we can do and while the entries were expected to be a great deal more numerous than they really were, there was quality on hand to satisfy everyone. Substantial prizes were offered by the club, but they did not seem to be any inducement to the growers to show their skill. There were just five exhibitors, Harry Heintz, Geo. Bayer, J. L. Schiller, Emil Kuhnke and S. N. Peck. The first prize of \$10 for the best six chrysanthemums of any one variety was awarded to Harry Heintz, for six superb, Dolly Dimple; Geo. Bayer also competed for this prize with Major Bonaffon, but was defeated. It is to be regretted that the condition did not specify "a commercial or exhibition variety," it was hard to decide for the judges between two so widely different varieties. Geo. Bayer exhibited furthermore a flower each of the three novelties of this spring introduction Oropa, Elise Papworth and Mrs. Wm. Wincott. J. L. Schiller showed Elise Papworth and the last year's introduction, Mrs. W. E. Kelley. Elise Papworth seems to be a very promising variety, it is easy to grow, has good foliage and builds up an immense snowwhite flower. The prize for the best novelty was awarded for Elise Papworth. S. N. Peck staged President Roosevelt, Baron Victor Reilley, Intensity, Alice Byron and Helen Frick, all showed careful cultivation and Emil Kuhnke exhibited Intensity, and Col. D. Appleton, which were also fine grown, both exhibitors got prizes. The show was held in S. N. Peck's flower store and after the meeting, coffee and cake were served by Mrs. Peck which was greatly appreciated by every one. To reimburse the club for part of the money expended for prizes, the prize winning flower was auctioned off for the benefit of the treasury, the highest price of \$1.20 was paid for one flower of Dolly Dimple.

Business in stores is good, though the weather is bad enough to keep buyers indoors. Potted plants such as cyclamen and primulas are selling slowly, as everyone now has to have his or her chrysanthemum. The pompons which are grown in a limited quantity here, seem to find more favor year after year and they certainly deserve it.

J. H. Sigrist disposed of his greenhouse establishment to Timm & Wirz,

two young fellows employed heretofore with the Calvary Cemetery Association, and John Barrow. They have our best wishes for success.

Another flower show will be held by the club at the first meeting in December and prizes will be awarded for cyclamen, begonia (Lorraine type), primulas and cinerarias. SCH.



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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address Trade Mark. American Spawn Co., St. Paul, Minn.

VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession...	\$.20	\$1.00
Lettuce, Grand Rapids Big Boston, Boston Market and Tennis Ball....	.20	1.00
Parsley30	1.25

—Cash with order.—

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ENGLISH, Best quality, arriving constantly. Spawn is from 25 lbs. \$2.00 selected specimens 100 lbs. 6.50 AMERICAN. Our monthly shipments from the manufacturer include all the varieties. Garden City 25 bricks \$ 3.50 Pure Culture 100 bricks 12.00

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170 Pages. 29 Illustrations.

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PEACOCK DAHLIA FARMS

Are not only the LARGEST IN THE WORLD but growers of the BEST COMMERCIAL VARIETIES in LARGE BLOCKS ABSOLUTELY TRUE TO NAME AND TYPE.

Write for Special Prices on

Arabella, Jack Rose, Nymphaea, C. W. Burton, Queen Victoria, Kriemhilde, Sylvia, Maid of Kent, Rose Pink Century, A. D. Livoni, Ethel Schmidt, Virginia Maule, Big Chief, Fringed 20th Century, 20th Century.

NEW FOR 1911. Dorothy Peacock, Mrs. J. Gardner, Cassatt, Golden Wedding, Eckford Century, Wildfire Century, Golden Century.

Send for List.

PEACOCK DAHLIA FARMS,

Postoffice: BERLIN, N. J. Farms: WILLIAMSTOWN JUNCTION, N. J.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large	
double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Princeps, extra large double-nosed bulbs.....	9 50
Double Von Sion, first sized bulbs.....	9 00
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Paper White Grandiflora, 13 cm. and up.....	9 00
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs,	
\$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

	Per 1000		Per 1000
Chrysolora.....	\$ 7 00	Kelzerskroon.....	\$10 50
La Reine.....	8 00	Mon Tresor.....	11 50
Prince of Austria.....	12 00	Rose Luisante.....	14 50
Rose Gris de Lin.....	8 50	Vermilion Brilliant.....	7 50
Thomas Moore.....	8 00		
Single, finest mixed, all colors, for bedding.....			7 50
Muriilo, the most profitable tulip for florists' use for			
forcing; always in demand; a very profitable			
variety at the price we are able to offer it this			
year, viz.....			10 00
Salvator Rosa.....			14 00
Gesneriana Spathulata, the true Gesneriana, the			
finest of all late tulips.....			9 50
Double, finest mixed, all colors, for bedding.....			8 50

Hyacinths

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list	Per 1000
of varieties see wholesale list).....	\$4 00 per 100; \$35 00
Separate Colors, single, pink, white and blue.....	20 00
Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Cold Storage Lily of the Valley

Case containing 500 pips.....	\$ 8 00
Case containing 1000 pips.....	15 00

Miscellaneous

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly	
dormant and in perfect condition Case 200 bulbs.....	\$15 00
Longiflorum Multiflorum, Case 300 bulbs.....	13 50
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1 1/4 in. in diameter, \$7 50 per 100	
Spanish Iris, named varieties, Belle Chinoise, British Queen	
and Darling.....	\$ 4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops Single and Giant.....	4 50 per 1000
Gladiolus America, the finest of all Gladioli	
for forcing.....	35 00 per 1000
Crocus, finest named varieties.....	5 00 per 1000
Spirea, in case lots of 100 bulbs: Gladstone, \$9 50 per case;	
Japonica, \$4 50 per case; Compacta Multiflora, \$5 50	
per case.	

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

Bedding Stock to Grow On

Alternanthera, Red and Yellow cuttings, \$10.00
per 100.

Coleus, Verschaffeltii and Golden Bedder from
2-inch pots, \$2.00 per 100.

Stock You Need for Christmas

Primula Obconica, 4-inch pots, \$1.50 per dozen.

Baby Primula, 4-inch pots, \$1.00 per dozen; 5-inch pots,
\$1.50 per dozen.

Christmas Peppers, large plants, 6-inch pots, \$4.50
per dozen.

Azaleas, Deutsche Perle, Vervæneana, Simon Mardner,
Niobe, 16 to 18 inches, \$1 50 each.

Azaleas, Van der Cruyssen, Prof. Wolters, Empress of
India, Mme. Petrick, 15 to 16 inches, \$1.00 each.

Crotons, 3-inch, \$1.00 per dozen; 3 1/2-inch, \$1.50
per dozen.

Coleus, John Pfister, a beautiful curly yellow
variety, 2-inch pots, \$2.00 per 100.

Coleus, Annie Pfister, a beautiful curly red
variety, 2-inch pots, \$2.00 per 100.

Boston Fern Stock to Grow on

2-inch Boston.....\$2.50 per 100

3-inch Boston.....6 00 per 100

4-inch Boston.....10 00 per 100

5-inch Boston.....20 00 per 100

6-inch Boston.....35 00 per 100

Pandanus Utilis.

We have a very fine lot of perfect plants of this species.

Pandanus Utilis, 5-inch.....\$5.00 per dozen

Pandanus Utilis, 6-inch.....9.00 per dozen

Pandanus Utilis, 7-inch.....12.00 per dozen

Dracaena Fragrans, Kentia Belmoreana and Forsteriana, Latania Borbornica,
Aspidistras, Assorted Ferns, Asparagus, Ficus Elastica, Boxwoods, Etc.

Send for our Complete List of the above giving sizes and prices.

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The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
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John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911

THE Department of Agriculture has issued a bulletin, the feature of which is the possible utilization of the naturally acid soils in the eastern United States, in the production of blueberries or some other crop that thrives in such a soil.

Conifers at the Arnold Arboretum.—I

The collection of coniferous evergreens in the Arnold Arboretum is very comprehensive, and it includes all of the known species that will prove hardy, or relatively so, in Massachusetts. The pinetum will most certainly be largely augmented by the collection of E. H. Wilson in China. Mr. Wilson discovered many new species of pinus, abies and picea, and of picea particularly the number of new species is said to be large, and Mr. Wilson's mission at the present time in China is mainly to procure seeds of these new species of conifers, which on his previous journey he was unable to obtain on account of them fruiting sparingly.

Many of the conifers planted in the pinetum, at the Arboretum, 30 to 35 years since, are now beautiful objects. Amongst some of the most noticeable is Engelman's Spruce, of which there are a number of fine individuals, in the most perfect health, and densely branched down to the ground line. To see it in its beauty in the Arnold Arboretum, proves conclusively that it is one of the best of the spruces to plant in the Northeastern states in climatic conditions similar to Massachusetts.

The Blue Spruce (*Picea pungens*) looks as well in the Arboretum as it does anywhere, and perhaps a good deal better, but it does not give the promise that Engelman's Spruce does. It shows a tendency to lose the lower branches and does not reveal the same robust, healthy character.

I was much interested in the promising appearance of *Picea omorika*, a most beautiful spruce from Southeastern Europe. It belongs to the flat-leaved section of the spruces and is quite distinctive in its aspects from most of the spruces familiar to gardeners. It is perfectly hardy in the Arboretum, and it is at present passing from the juvenile to the adult stage. I would advise all planters and lovers of conifers to include this handsome and promising spruce in their collections.

Dr. Sargent is much interested in *Picea schrenkiana*, a spruce from Central Asia. There is a juvenile plant or two in the pinetum which is doing nicely, and gives every promise of going ahead. *P. schrenkiana* is rare in cultivation, and I have never seen it except in the Arboretum.

The Japanese spruces, *Picea alcockiana* and *P. ajanensis*, are looking well. It would repay most cultivators to go to the Arboretum and study the characters of these Japanese spruces, for I am certain that their botanical

MANETTI

STOCKS FOR GRAFTING

For December and January Delivery.

English.....per 100, \$1.75; per 1000, \$13.50; 5000 for \$60.00
French.....per 100, 1.50; per 1000, 12.00; 5000 for 50.00

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

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PEONIES

Best Cut Flower varieties grown.

First Prize White \$15.00 per 100
" " Pink 9.00 per 100
" " Red 10.00 per 100

Wagner Park Conservatories, Sidney, Ohio

Phoenix Nursery Company

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BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Hybrid Perpetual and Rambler Roses.

Strong Forcing Stock for Florists.
Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N.Y.

characters are badly understood in most places in this country outside of the Arnold Arboretum. They are badly mixed up in most American nurseries.

The so-called Douglas Spruce, *Pseudotsuga taxifolia* (it seems a pity to afflict such a beautiful conifer with such a clumsy generic name), is doing splendidly in the Arnold Arboretum, and what a beautiful object it is! This conifer is deservedly popular on most private estates, and gives promise of attaining a healthy adult age.

JOHN DUNBAR.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN,

MASS.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing. Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co.,

NAARDEN
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in Sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiræas, Valleys.

Price List Free on Demand.

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OAKS and MAPLES
Pines and Hemlocks

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Is Our Record at
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9 Firsts, 5 Seconds, 1 Third, at Minneapolis

6 Firsts, 5 Seconds, at Chicago 2 Prizes at Milwaukee

WASHINGTON Sport of Enchantress Winner in Every Competition.

Invest your money in a variety you know all about, one you know pays you better than any other variety, one of the famous Enchantress family, the color is the only satisfactory dark pink in the trade. We can still give you January delivery but do not delay as orders are coming in fast every day, order to day. Price within reach of all **\$10 00 per 100; \$75.00 per 1000.** Our stock is in the best of condition therefore you are sure of getting the best rooted cuttings in the market.

	Per 100	Per 1000
Washington, cerise, sport from Enchantress	\$10 00	\$ 75 00
Princess Charming, beautiful flesh pink	12 00	100 00
Conquest, variegated	6 00	50 00
Sangamo, brilliant pink	6 00	50 00
Mary Tolman, deep flesh	6 00	50 00
Dorothy Gordon, pink	6 00	50 00
Scarlet Glow	6 00	50 00
J Whitcomb Riley, yellow	6 00	50 00
Shasta, white	6 00	50 00
Sensation, pink	6 00	50 00
Pink Delight, flesh pink	6 00	50 00
May Day, flesh pink	4 00	35 00

	Per 100	Per 1000
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Winsor	3 00	25 00
Winona	3 00	25 00
Alvina, cerise	4 00	35 00
Aristocrat, cerise	3 00	25 00
Afie glow	3 00	25 00
White Enchantress	3 00	25 00
White Perfection	3 00	25 00
O P. Bassett, scarlet	4 00	35 00
Victory	3 00	25 00
Beacon	3 00	25 00

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A T. Pyfer, Manager.

Room 203 Atlas Block. 35 Randolph St., CHICAGO



Cocos Weddelliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid thrifty stock, of rich dark color. Your attention is directed particularly to the larger sizes offered. They are extra good values.

3-inch pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100
5-inch pots, 18 to 24 inches high, splendid plants, 75c each.
7-inch pots, 36 to 42 inches high, grand specimens, \$2.50 each.
10-inch pots, 30 to 36 inches high, very stocky, well balanced plants, \$5.00 each.

For a complete list of seasonable stock see our Current Wholesale List. If you have no copy send for it.

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714 Ches'nut St., PHILADELPHIA, PA.

DELPHINIUM FORMOSUM Hardy Lilies

Tenulfolium, Wallacei, Banson, Henryi, etc.

IRIS KAEMPFER, DAPHNE CNEORUM
and GERMAN IRIS.

Write for Prices.

E. S. MILLER, Wading River, N. Y.

JOHN T. WITHERS, Inc.

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Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement page 504, Oct. 1 issue

European Horticulture.

Corylopsis pauciflora.—The genus *Corylopsis* is closely allied to *Hamamelis*, which is fairly well known in gardens by the several early-flowering species called witch hazels. A few species only of *Corylopsis* are in cultivation, the best known being *C. spicata*. That particular shrub has been in cultivation for many years, but *C. pauciflora* is of comparatively modern introduction. The name of *pauciflora* is inaptly applied, for it blossoms very freely when growing under suitable conditions. Unfortunately, it is rather tender, and, except in the mildest parts of the country, it requires protection during winter and spring if the best results are to be obtained. The damage to the shrub cannot, however, be attributed so much to cold during the dormant period as to late spring frosts during the time that the flowers are open and growth buds starting into life. It is a Japanese shrub, growing 3 to 4 feet or more high, with numerous slender, more or less pendant branchlets, which during early spring, the end of March and beginning of April, are clothed with dainty catkins of primrose-yellow flowers which have a decided fragrance. A further period of beauty is apparent when the foliage commences to expand, for the leaves are delicately marked with green and bronze. In Cornwall, Devonshire, and other kind climates, it may be expected to thrive as a border shrub, but in less favored localities it should either be planted in a frame or cold greenhouse, where it can remain the whole year; or it should be grown in pots and stood out of doors for the summer. As a forced shrub it has much to commend it, and it can be had in flower early in January without very severe forcing. It thrives well in light loamy soil to which a little peat has been added.

New Strains of Greenhouse Calceolarias.—An interesting feature in the conservatory at Kew, popularly known as "No. 4," are several groups of Calceolarias. Some few years ago Mr. John Jefferies, of Oxford, introduced a race of tall-growing Calceolarias with small flowers. This strain, which was named Jefferies' Hybrids, may be said to bear the same relation to the large-flowered Calceolaria as the Star Cineraria does to the large-flowered type. The result of crossing the large-flowering herbaceous type with the pollen of Jefferies' Hybrids has still further improved the last named from the present-day point of view. The plants and flowers are intermediate in character. *Calceolaria kerwensis*, as they have been named, produce a profusion of flowers intermediate in size, slightly taller in habit than the florists' herbaceous strain. The plants lack the flat appearance of these varieties which many critics dislike. The principal colors present in the large-flowered type have been reproduced in *C. kerwensis*. The introduction of another type of Calceolaria, to which, unfortunately, three names—*C. Clibrani*, *C. Decorator*, and *C. profusa*—have been applied, provided splendid material for more crossing. The sprays of golden yellow blooms are very light and graceful, in fact so light are the stems they require a considerable amount of tying to support them. This fault has been largely obliterated in the batch of plants raised at Kew, the result of crossing *C. Clibrani* with several of the herbaceous varieties. The flowers are rather larger than those of *C. Clibrani*, and the habit of the plants is much sturdier. The plants exhibit a considerable variation in color and markings. One plant in particular, crossed with the cornuta type of flower, has inherited in a marked degree the curious shaped pouch of the cornuta type.

Surplus Shrubs, Roses Dahlias and Other Stock

We have the finest lot of large-sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices:

Hydrangea paniculata grandiflora	100
2-ft. 5 to 8 branches.....	\$8 00
18-in. 3 to 5 branches.....	6 00
12-in. 2 to 4 branches.....	5 00
Viburnum plicatum, extra fine stock	
4 to 6-ft., 6 to 8 branches.....	\$8 00
2 to 3-ft., 4 to 6 branches.....	5 00
6 to 8-in., 1 to 3 branches.....	3 00
Altheas, all colors, fine plants	100
18 to 24-in., 4 to 8 branches.....	\$4 00

Berberis Thunbergii	
Splend dly branched	100
10 to 13-in., 6 to 8 branches.....	\$5 00
8 to 10-in., 4 to 5 branches.....	4 00
California Privet	
Magnificent stock	100
2 years planted, 15 to 20 branches.....	\$6 00
1 year planted 5 to 8 branches.....	3 00
Clematis paniculata	
Extra-strong plants	100
3 years old.....	\$10 00

FOR FLORISTS' USE:

Roses

All on their own roots, field grown, fine, strong and thrifty.

M. S. David Jardine, Killarney, Richmond, American Beauty, Kaiserin, Gen. Jacqueminot (bunch stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H. P's.....1 c each

White and Pink Cochet, Mrs. B. R. Cant and Wm. R. Smith all field grown. 20c each

We can also supply, in strong young pots, over 600 varieties of Roses, including many of the newest kinds. Send for list.

Dahlias

Great clumps in splendid shape. All the leading sorts.

\$5 per 100; \$45 per 1,000

Send for list of splendid varieties, all kinds.

Cannas

Many of the best varieties. Divided roots, \$3 per 100. Send for list.

Asparagus

Both Sprenger and plumosus—and

Maidenhair Fern

Extra-fine, strong clumps, grown under ideal conditions every plant perfect. Just the thing for home decoration. 15c each, in any quantity.

Violets

Immense, field-grown clumps, both double and single \$8 per 100.

There is big money for you in all these items. Let us hear from you. We need the room and you need the stock.

THE DINGEE & CONARD CO.,

West Grove Pa.

SMITH'S ASTERS

Are of just as high a quality as their chrysanthemums. Smith's Peerless Light Pink and Smith's Peerless White are the finest Aster, offered the trade. We have full assortment of standard kinds per pound, ounce or less to meet the demand. Price on application.

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The best Novelties for 1911 and all the Standard Sorts.

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The Leading Wholesale Florists
Of Michigan.

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Bloomsburg, Pa.

Stock 'Mum Plants

Yellow Ivory, (new)..... } \$2.50 per doz.
White Helen Frick, (new)..... } 15.00 per 100.

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Cheaper than the cheapest. Good as the Best.

S. A. Nutt, \$11.50 per 1000.
Poitevine, 14.00 per 1000.
Ricard, 14.00 Per 1000.

All sold until December. Expect to have about 75,000 ready week of December 12th. To be sure of December delivery, better get your order placed now.

Coleus. As fine a collection as furnish them by the 100,000 in season; now if you want them.

A. M. HERR,
LANCASTER, PA.

Notice! The Expressman's Strike Is Now a Thing of the Past. **Have your mind now on business. Be wide awake and**

Prepare for Thanksgiving and the Holidays

It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm who has always looked after your interests and who protects you.

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

If you have room, now is the time to purchase your supply while the weather is mild and shipment can be made more safely, and while we have a big stock of everything at bargain prices.

AZALEA INDICA.

Now Is the Time to Force Azaleas for Christmas. What varieties will you take? Which ones will force well? Take my advice. There is the Deutsche Perle one of the best well known double whites; we have plants of these at 60c. 75c \$1.00, \$1.25, \$1.50 to \$2.00. Next, Simon Mardner double, bright pink 50c 60c 75c \$1.00, \$1.25, \$1.50 to \$2.00. Vervaeana is so well known that there is no need to talk about it; big variegated rosy flowers, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Apollo, single red varieties much admired, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Dozen and hundred at the same price. How about Mme. Patrick? This is one of the earliest pink varieties, very scarce this year in Belgium and high in price; a few of this variety you must have. Price: \$1.00, \$1.25, \$1.50 to \$2.00.

For Easter Forcing we have only the well known standard American market varieties, such as Mme. Van der Cruyssen, pink, very scarce this year in Belgium, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Niobe, double white, 50c, 60c 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Deutsche Perle, 50c, 60c 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Helena Thielman, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; President Oswald de Kerkove, \$1.00 to \$1.50; Schryveriana 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Empress of India, double variegated, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Professor Wolters, 75c, 1.00, \$1.25 to \$1.50; Vervaeana, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, 60c 75c, \$1.00 to \$1.25; Simon Mardner, 50c, 60c, 75c, \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Remember it is the wide awake man that is not afraid to invest a dollar that makes the money.

Rubber Plants, 6 in. pots, 35c, 40c and 50c; 5-in., 25c.

Asparagus Plumosus, 2½-in. 3c; 3-in., 5c.

Asparagus Sprengeri, 2½-in., 3c.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Primula Chlnensis, 4-in. pots, \$10.00 per 100; 5½-in., \$2.50 per doz.

Hydrangea Otaksa, pot-grown 6-in. 25c.

Christmas or Ornamental Peppers, 5½-in., 15-20c.

Cineraria Grandiflora Hybrida, Aschmann's well known strain 2-in. pots \$3.00 per 100 4-in., 10c.

Dracena Bruanti, 25 to 30 in. high, 6 in. pots, 40c to 50c.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high 6 to 7 in. pots, 50c. 75c to \$1.00 each.

Adiantum Hyb., 2½-in. pots, 5c; 3-in., 8c; 4-in., 12c; 6-in. pan. 30c.

LEADER

in

FERNS

Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Begonia Gloire de Lorraine

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes in bud and partly in bloom ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Begonia Gloire de Lorraine on the market. They were crackerjacks indeed! We have the deep pink and the light pink (Lonsdale) varieties, 6 in. pots, 50c, 75c to \$1.00; 7-in., \$1.25 to \$1.50; 3 in. (if transplanted soon will make good 4-in. for Christmas), 15c each \$15.00 per 100. If you have room you should order now, because they are always scarce at Christmas.

Begonia Erfordii, latest improvement; this variety is always in full bloom during winter Christmas and Easter: 4-in. pots, in bloom and bud, 20c. **Begonia Rex**, 4-in., 20c.

Cyclamen Grandiflora, best strain, 5-in., 25c.

Primula Obconica, finest strain, 4-in., in bloom, 15c, in bud, 10c; 5½-in., 25c; 6-in., very large and extra fine, 35c.

LEADER

in

Begonia Gloire de Lorraine,

Kentias,

Palms,

Rubbers,

Etc.

We lead you into wealth.

Please look at our special low prices for superior stock in



Araucarias

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We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Glaucia**, 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18 20-25-30 in. high, 3-4 5-6 tiers 2-3-4-5 years old, 50c, 60c, 75c \$1.00 \$1.25 to \$1.50 each.

Robusta Compacta, **Excelsa Glaucia**, 6 in. pots, \$1.00 \$1.25 \$1.50 to \$2.00 each.

Shasta Daisies, 2½ in., \$3.00 per 100.

Jernsalem Cherries, or **Solanum** 6-in. pots, 25c, 35c, 50c; 3 in. \$5.00 per 100.

Kentia Forsteriana, in fine shape 6-in. pots 30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25 \$1.50, \$2.00 to \$2.50 each; 4-in., 35c each, 25 in. high.

Kentia Belmoreana, 25 30 35-40 in. high 5-5½-6-7 in. pots, 5-6 years old, 50c 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each; 4-in., 25c each.

Kentia Belmoreana, combination plants 25 to 30 in. high made up of 3 plants, 6 to 7 in. pots, \$1.00 \$1.25 to \$1.50.

Our Ferns this year are exceptionally very fine. **Boston**, **Scottii**, **Whitmani** and **Scholzei**, 5½ and 6-in. 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. Remember all our Ferns are pot grown, not lifted from benches.

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We can fill orders from 1000 to 100,000 and guarantee the stock.

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White Wonder, Gloriosa,**Pink Delight, Scarlet Glow.**

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Fall Price List—200 sorts.

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	Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50
Asp. Sprengeri, 2½ in. pots.....	2 00	
Vinca Var., from field.....	4 00	

—Cash,—

	Per 1000	Per 100
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Obc. Alba and Rosea.....		1 50
Obc. Gigantea.....		2 00

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2½-in.....	\$3 50	\$30 00
500 at 1000 rates.	Cash with order.	

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Bugnot, Odier and Cassier mixture, \$2.50 per 1000.

Paris Daisy, yellow 2-inch 2c.**Feverfew Gem**, 2 inch 2c.**Ageratum and Salvia**, 2 inch, 1½c.**Rubbers**, 5-inch, 2c to close out.**Asparagus Sprengeri**, 2 inch 2c.**Primula**, Officialis Hybrids. Hardy sweet scented cowslip, 2 inch, \$3.00 per 100**Paris Daisy**, R. C., yellow and white, \$1.00 per 100**Hollyhock**, Double field grown, yellow, white, pink and red \$2.25 per 100.**Cuphea**, R. C. 75c 2-in. 1½c**Double Petunia**, R. C. \$1.00 per 100.**Heliotrope**, 3 kinds, \$1.00 per 100**PRIMROSES**

All 2-in. fine stock.

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Superbissima, 5-inch 20c; 6-inch 35c.**Dracena Indivisa**, 2½-inch pots, fine stock,

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10-12 in. diam.....	\$4 50	\$35 00
12 14 in. diam.....	6 00	45 00
14-15 in. diam.....	7 50	60 00

	Doz.	100
15-16 in. diam.....	\$ 9 00	\$ 75 00
16-18 in. diam.....	12 00	90 00
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Baron Bonstetten,	Gen. Washington,	Crawford,
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well branched, own roots	\$2 00	\$12 00
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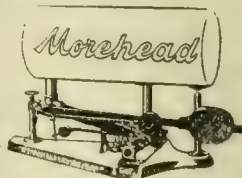
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Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For prices and varieties see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Ferns, Boston, 2-in., \$2.50 per 100; 3-in., \$6; 4-in., \$10; 5-in., \$20; 6-in., \$35. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pieroni Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

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Hydrangea Otaksa, field-grown, 6 and more crowns, \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Ivy, R. C., English, \$1; German, 50c prepaid German, \$4 per 1,000. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem Cherries, well berried, \$20 per 100. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantanas, Bruant's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

Lantanas, asst., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pipe grown by Mr. E. Neubert, Wandsebek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3040 Madison St., Chicago.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

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Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

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Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Viburnum plicatum, Hydrangea paniculata grandis, Altheas, Berberis Thunbergii, California privet, Clematis paniculata. See advertisement elsewhere in this issue for varieties and prices. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock. Large Evergreen trees, Cedars, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, plants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, open frame grown, stocky plants. Trimardeau and Vaughan's giant mixture, 50c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, Bugnot, Odier and Cassier mixture, \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Kenilworth Giant Pansies, 50c per 100; prepaid, \$3 per 1,000. Chas. Frost, Kenilworth, N. J.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. Kentia Bel., 18 to 20 inch, heavy, \$5 per doz. Areca, 2½-foot, \$7.50 per doz. Phoenix Roebelenii, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Phoenix Roebelenii, for prices and sizes see advertisement on front cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddellana, for prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentia Bel., 2½-in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Utilis, 5-in., \$5 per doz., 6-in., \$9; 7-in., \$12. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, 1st prize white, \$15 per 100; pink \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PEPPERS.

Christmas peppers, 6-in., \$4.50 per doz. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Christmas peppers, 4-in., full of berries, \$10 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2½-in., \$1 per doz.; \$6 per 100; \$50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in., \$4 per 100. Harry Heintz, W. Toledo, O.

PRIMULAS.

Primroses, Obconica glants, 3-in., \$4 per 100. Chinese, large flowering 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula from 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primula Obconica, Ronsdorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and Obconica, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obconica, alba and rosea, \$1.50. Obconica gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primroses, obconica, alba, lilac, rubra, hybrids, rosea, \$2 per 100. Carminea Sanguinea, \$3. Byer Bros., Chambersburg, Pa.

Primula obconica, 4-in., \$1.50 per doz. Baby, 4-in., \$1 per doz.; 5-in., \$1.50. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula sinensis, 3-in., \$4 per 100. Obconica grandis, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Primula, Officialis hybrids, 2-in., \$3 per 100. Byer Bros., Chambersburg, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

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Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

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Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plants and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

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Roses, budded, field-grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

ROSES, cut flower varieties, 2½-in. pots: White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pot, \$4 per 100. Flower of Fairfield (Everblooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, Bride, Maid, G. Gate, Killarney, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, hybrid perpetuals and ramblers. Jackson & Perkins Co., Newark, N. J.

Roses, leading varieties. Leadle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen: Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Ross Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, Salvia splendens, 25c per oz.; \$9 per lb.; Clara Bedman or Bonfire, \$1.60 per oz.; \$16 per lb. Stokes' Seed Store, 219 Market St., Philadelphia.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 43-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede, turnip, Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolognani & Son., Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

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Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

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Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohrer, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

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Salvias, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, strong 2-in. cut back, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Smlax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.
Smlax. Wood Bros., Fishkill, N. Y.

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Spireas. J. Smits, Ltd., Naarden, Holland.

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Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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Lemon Verbenas, R. C., 75c per 100; prepaid, \$6.50 per 1,000. Chas Frost, Kenilworth, N. J.
Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce. Grand Rapids and Big Boston, packed to reach you safe at \$1 per 1,000. Elmer Rawlings, Olean, N. Y.

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Vincas, variegated, strong field rooted tips stored without frost in a cool house. These plants will readily grow into stock for spring sales, \$1 per 100; \$10 per 1,000. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

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Vinca major, strong field-grown, \$3.50 per 100. T. J. Feters, Harbor Springs, Mich.

Vinca var, from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

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Violets. Gov. Herrick, splendid field-grown clumps, \$5 per 100; \$40 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-grown, \$8 per 100. Dingee & Conard Co., West Grove, Pa.

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Wanted—3,000 American elm trees, 2-2½ inches diameter. Address Key 231, American Florist Co., Chicago.

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Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

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Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48x50 Wabash Ave., Chicago.

Kesler Bros., 136 W. 28th St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

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McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

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Moore, Hentz & Nash, 55 W. 28th St., New York.

Munk Floral Co., Columbus, O.

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N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

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Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

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Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

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Boston—Penn, the Florist, 43 Bromfield St.

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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

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New York—Alex. McConnell, 571 5th Ave.

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Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.

Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.

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Washington—Geo. H. Cooke, Conn. Ave. and L. St.

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Boilers. The Superior Standard The Superior Machine & Boiler Works, 850 Superior St., Chicago.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

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Gold Fish. Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

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Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

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Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides, Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

Partridge berry bowls, fish globes, hyacinth glasses, etc. Nicholas Wapler, 28 Warren St., New York.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Riedlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Pacific Coast Plant Tubs. Write for prices. Patton Woodenware Co., Seattle, Wash.

Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

Dennison tags. Dennison Mfg. Co., Chicago.

POTS, PANS, ETC.

"NUF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.



PLAN 97

This is a particularly successful range, recently erected on an estate at Riverdale, N. Y.

It is fully described and illustrated on page 46 of our new Catalog.

If interested, send for it.

Lord & Burnham Co., Irvington, N. Y.

NEW YORK
St. James Building

BOSTON
Tremont Building

PHILADELPHIA
Heed Building

CHICAGO
The Rookery



WE have told you again and again what a light, airy house our Curvilinear Iron Frame one is. Here's the proof. Write for further information.

Hitchings & Company
1170 Broadway, New York

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it taking into account all the conditions.

When a man knows his greenhouse will stand, he is at liberty to put all his time and thought into growing things and that is what he wants to do.

Send for Bulletins.

King Construction Co.

NORTH TONAWANDA, N. Y.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Baltimore.

TRADE ACTIVE.

The wintry storm which wrecked the grounds and prospects last week of the assemblage of foreign and American aviators, mangling many of their flying machines and promising to put an end entirely to the great sport promised, has been followed by a succession of high winds, their violence and long continuance being phenomenal. There have been no great disasters, but many minor losses have made a considerable aggregate, the flower growers suffering with others. The week has been one of considerable activity in trade circles. The aviation meet was resumed with a great number of visitors, officialdom from Washington being well represented. A good many social festivities marked the gathering of people from other cities and lands who are interested in the man-birds, and the hospitality of the city seemed to be put out in abundant measure. There were also a number of conventions of various bodies, some national and some local, each with some function requiring floral or other decorations. A number of weddings were also celebrated, and these—with the never missing funeral occasions—made a good demand for cut flowers. Chrysanthemums were shipped in great numbers, the season being about at its height, but on one or two days roses and violets were entirely sold out. There is a fair shipping business being done and the indications seem to point to a good business for the season.

NOTES.

The Maryland State Horticultural Society will hold its annual meeting from November 28 to December 2, occupying with the various other associations which meet at the same time the great Armory building of the Fifth Regiment of the state's National Guard. Richard Vincent, Jr., of the well-known White Marsh Company, is the president for this year. There will be discussions of topics of interest, a number of papers will be read, and the usual routine of welcoming addresses and replies. There is always a fine exhibition of fruits, nuts, vegetables, canned goods, flowers, etc., and it is expected that this season will find the display more comprehensive and interesting than ever before, the officers having been diligent in arousing a widespread interest in the event. There are quite liberal prizes offered for all kinds of fruits which are grown in Maryland, for goods canned or preserved, for vegetables, nuts and seeds. There is a varied list of offers for ornamental and flowering plants and for cut flowers, window boxes, evergreens, etc. In addition to the regular schedule a number of individuals have offered valuable articles, pieces of silver ware, or money, for specified exhibits, one lady enthusiast giving \$50 for collections of ferns, cut roses and window boxes. The display is open to the public and a very large attendance of visitors is always secured.

A meeting was held, November 14, of growers and consignors who are patrons of the Florists' Exchange for this city to consider the business methods and prospects of that concern. The volume of business done is largely increasing, but so far as the individuals are concerned there does not seem to be an entirely satisfactory outcome. Many think the business of growing flowers has expanded so that the output of product exceeds the demand. As a result prices fall, and profits are steadily diminishing. An interchange of views was had, but not in time for notice in this letter.

S. B.

WEST LEBANON, N. H.—Samuel P. French is building a 50-foot addition to his greenhouse.

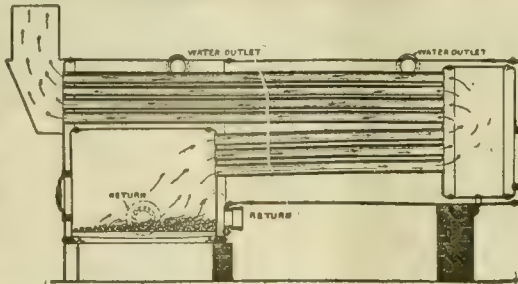
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

324 Dearborn St.

Chicago

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,

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Telephones: Lincoln 410 and 411



EVANS' IMPROVED
CHALLENGE
VENTILATING
APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
1888 BIRKENHEAD, ENGL.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide \$4.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (35 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd. Manufacturers, PLATTENVILLE, LOUISIANA

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

—BURNED CLAY—
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered
prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Boilers OF HIGH GRADE... For GREENHOUSES

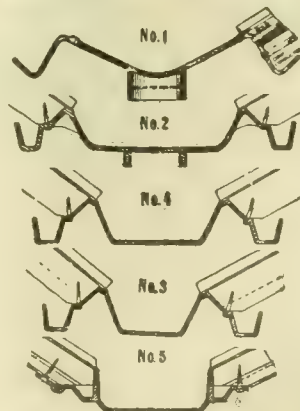
See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

American Florist Co. 324 Dearborn St
CHICAGO.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

For Photographs of Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic
Illustrator....
413-414 Hayward Bldg., Rochester, N. Y.
Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



KRICK'S Florist Novelties

Manufacturer and Patentee of
The Only Genuine Immortelle
Letters on the market.
Order at once.

CHAS. AUG. KRICK,
1164-66 Greene Ave.,
BROOKLYN, N. Y.

Every letter marked.

Superior Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

Tacoma, Wash.

Jack Frost has given outdoor stock a knockout blow and the florists are beginning to get busy. First class flowers of all kinds are coming to market now with about enough carnations to go around. Ivory—one of the main white chrysanthemums grown here—is this season smaller in size than usual and Major Bonnaftons are not so good or so many as formerly, but generally speaking chrysanthemums will be sufficient in quantity. Potted plants of all sorts are quite scarce and not many are being propagated.

NOTES.

Louis Tschunko has one of the largest places in Tacoma and is in good shape. Ten thousand carnation plants are in fine cut and showing best of health.

F. C. Smith at Wapatee has some excellent carnations, especially Beacon.
S. L. H.

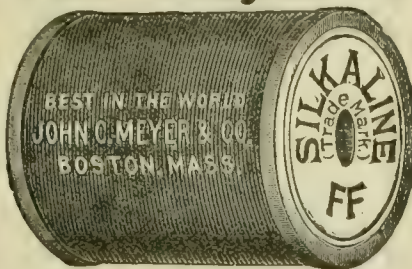
Nassau County Horticultural Society.

The regular meeting of the Nassau Co. Horticultural Society was held in Pembroke Hall Thursday, November 10. One new member was elected and one application for membership received. Mrs. F. B. Pratt was elected an honorary member. Messrs. Barton, Marshall and Westley acted as judges with the following decisions: Society prizes for chrysanthemums, best 12 white, J. McDonald; best 12 pink, S. J. Trepass; best 12 yellow, S. J. Trepass. Cultural certificate was awarded to J. McDonald for a grand vase of mixed chrysanthemums, to Fr. Petrocia for "New Rose" celery, also honorable mention for celeriac.

The winner of M. Troy cup, J. Forbes, Jericho, had same passed around filled with Moet & Chandon's best, supplying all with cigars as well, so that everybody was happy.

Next meeting will be held at 2 p. m. and prizes will be for best 100 violets, best 25 sweet peas and best three cut poinsettias.
O. E. A.

The "Meyer Green Silkaline"

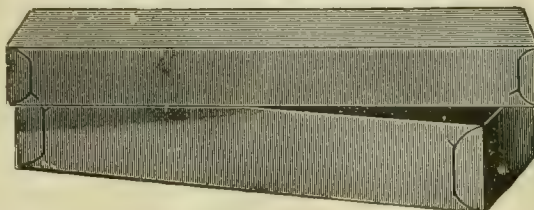


is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co., MILWAUKEE.

Mention the American Florist when writing

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

—OUR SPECIALTY—

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in **Glassware, Pottery, Decorative Greens** and all **Florists' Requisites.**

Mention the American Florist when writing

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Mention the American Florist when writing

Gorham & Chapline

Printery Inc. CATALOGUES PRICE LISTS.

HALFTONES, ENGRAVINGS and PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

Mention the American Florist when writing

NEW YORK.—Schuyler Schiefflen proposes to build a greenhouse on the roof of his five story dwelling at No. 115 East Twenty-first street.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

CALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere. Prompt shipment guaranteed

IGOE BROS.,

266 North 9th St.,
BROOKLYN, N. Y.



A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Flower Colors

Use our COLOR CHART in describing them, PRICE, \$1.00 POSTPAID.

American Florist Co.,
324 Dearborn St., CHICAGO.

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Furnishes the Most Nicotine for the Money!

Aphine

*The Insecticide that
kills plant Lice
of every species*

"The Aphine has been severely tested, having passed expectations. Used it upon mealy bug, scale, fly and spider without injury to the foliage whatsoever. For red spider used it one part to 15 parts water with the best possible results. I consider Aphine is far ahead of any insecticides I have used in England having had good experience with same there."

"The above is the report of my greenhouse foreman, and from my own observations the results are eminently satisfactory in every respect. You have at last put on the market an insecticide that does all claimed for it and more."

(Signed) JOSEPH ROBINSON, Supt.
to Colgate Hoyt, Oyster Bay, Long Island.

\$2.50 PER GALLON :: \$1.00 PER QUART.

MANUFACTURED BY

Aphine Manufacturing Co.

MADISON, N. J.

Pacific Coast Distributing Agents: MacROBIE-
McLAREN Co., Westbank Bldg., San Francisco California.

Dayton, O.

We have had but little November weather to date, consequently the stock is in abundance, luckily chrysanthemums seem to be in demand, of which there is a good supply. Carnations are not cut in abundance, but roses are coming in good quality and quantity. Lilium Giganteums and paper white narcissi are also in this market. Business in general is just moving.

NOTES.

The Dayton Florists' Club held its regular monthly meeting at J. F. Young's establishment on November 7. Plans were discussed to create a better interest and to encourage a better attendance. The committee who have this in charge are G. W. Bartholomew, J. W. McNary and Arthur Schmidt.

Schmidt & Son are growing a number of their seedling chrysanthemums of which there are some promising ones, a tan of a beautiful shade is especially promising, also a pink and a white.

The Heiss Co. reports a slight improvement over last week, and are using chrysanthemums to good advantage in their store.

Walter Horlacher is cutting some very fine chrysanthemums. He has some of the latest varieties out. Business is good.

Mrs. Haschke's new red seedling chrysanthemum is showing better than last year. She reports business good.

G. Horlacher of Belmont will have some fine Mdle. Jeanne Nonin chrysanthemums for the holidays.



PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets etc. to sole makers.

Also Exporters of Pure Scotch Soot Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenfords, Scotland.

Mention the American Florist when writing

The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,
and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
Thrips, Mealy Bug, Red Spider, Scale,
Wire Worms, Ants and Snigs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

The Miami Floral Co. are cutting narcissi and have no trouble to dispose them.

Mrs. B. Hendricks has been quite busy with funeral work.

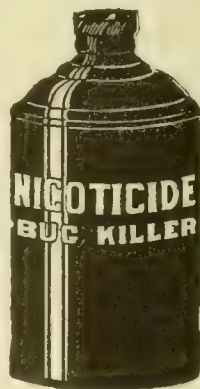
Department stores spoil all that is in the fall bulb business.

M. & G. Johnson find gold fish a good side line.

Visitors: Seligman of Wertheimer Bros., New York City; A. Miller of Skidelsky & Irwin of Philadelphia.

A. E. S.

BAYNES LAKE, B. C.—W. Williamson assumed the management of the Kootonia Nursery and Greenhouse Co., on October 1.



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to

P. R. PALETHORPE
COMPANY,
Owensboro, Ky.

*green Flies and
Black ones too*

are easy to kill with
The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards, Chicago
Mention the American Florist when writing

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.
Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,
64-66 Wabash Ave., Chicago.

Nashville.

Flowers are coming in now very satisfactorily. Pink Killarney are very fine, as are also American Beauty. Chrysanthemums are in all their glory but do not seem to be more plentiful than the demand. Carnations while they have not yet attained the size they will take on later, yet are much improved in quality. Violets are better and blooming a little more freely. Trade has been very good and getting better every day as the social season advances. The weather has been, and continues fine.

Geny Bros., the popular florists, have effected their removal from their former store at 712 Church Street in the Tulane Hotel Building to their new place, 212 5th avenue, north. At their new location they have a much larger store and increased facilities for handling their ever increasing patronage. The new store is 20x120 feet, and is in one of the most popular shopping districts, and shows up fine. The show windows are a mass of blooming chrysanthemums of the finest varieties, and have been attracting a great deal of attention, and have served as a fine advertisement of his new place. Leon Geny who has charge of the store has fitted it up in the newest and most up-to-date style, having new cases, counters, desk and fireproof safe. Near the front of the store is a large new refrigerator with glass doors, which is seven feet long, six feet high, and two feet wide and in the rear of the store is the larger refrigerator, which takes 3,000 pounds of ice to keep it thoroughly refrigerated. Cases containing baskets and other supplies divide the front from the rear where all the designing and floral work is done.

M. C. D.

CAMBRIDGE, MASS.—John McKenzie, who has been recently quite sick, has wholly recovered from his illness.

JOLIET, ILL.—Albert C. Rott tendered the public a great treat in the line of floral decorations and the chrysanthemums and other flowers which were artistically arranged about his newly enlarged store.

SEATTLE, WASH.—The Seattle Rose Society is to take up with the Park Board the matter of planting more roses in the public parks and generally arousing more interest in rose culture, which, if carried into effect, will enhance the beauty of the city to a considerable extent.

Greenhouse Material

of Louisiana Cypress and
Greenhouse Hardware and Posts.



Our grade invariably the best, our prices right.
Write for catalog and estimate when figuring on your new houses.

A. DIETSCH CO., 2642 Sheffield Avenue, CHICAGO.

THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

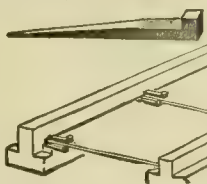
E. HIPPARD, Youngstown, Ohio.

Mention the American Florist when writing

GREENHOUSES.

MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
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No. 1173

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TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,
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WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
President; C. W. JOHNSON, Morgan Park, Ill.,
Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill,
on-Hudson, N. Y., Secretary.

FLORISTS' FERNS.

Farleyense and Other Adiantums.

Ferns for cutting form a useful as-
set in many establishments, whether
they be grown for home consumption
in the retail trade, or for bunching for
the wholesale market, various members
of the Adiantum family being among
those that are most largely grown for
this purpose. Adiantum cuneatum in
either the original type or the variety
of this species known as A. Roen-
beckii, the latter having a somewhat
longer frond, perhaps a little less tri-
angular in general outline, and with
the edges of the pinnae more serrated
than the old cuneatum, are the two
most largely grown. Also a consider-
able number of some forms of A. dec-
orum, among which A. Croweanum is
apparently the most useful, while Adi-
antum hybridum, another fern that is
evidently closely allied to A. decorum,
has many friends among the trade,
both of these ferns throwing a goodly
number of fronds of excellent sub-
stance and very graceful for use
among cut flowers. Adiantum Ghies-
brechtii, formerly known to many
gardeners as A. scutum, is another fine
species for cut fronds, this being pos-
sibly the next in beauty to Adiantum
Farleyense, while its fronds when well
hardened by growing in sufficient
light, are much more enduring than
those of its beautiful relative. Adian-
tum tenerum is another good species
for cutting, especially where large
fronds are in demand, and has the
additional distinction, according to the
botanists, of being the species from
which A. Farleyense originally sprang.
The last named, and most beautiful
fern, is beyond question the best of all
for high-class decorative work, though
the fronds will not bear quite as much
exposure as some of those already
mentioned, and rather more care and
warmth is needed in its culture than is
required for most of the Adiantums to
which reference has been made. In
addition to this, the fact that Adian-
tum Farleyense is propagated by divi-
sion, while many of the others may be
had from spores, naturally makes this
fern a little more expensive to grow.

The propagation of this fern is best
accomplished during the spring and

summer months, the old fronds being
cut down on the stock plants and the
roots being either shaken out or
washed out, according to the consist-
ency of the soil in which they have
been grown, and the crowns then being
separated into as many pieces as may
be found with a growing point on
them. These sections, or divisions, are
then planted in rows in sand or a mix-
ture of sand and chopped sphagnum in
a propagating frame, in which they are
kept warm and moist, and in a few
weeks form new roots and begin to
throw up a frond or two, after which
they are potted off, watered carefully,
and still kept rather warm and shaded
until they become established. As the
plants progress they are shifted on into
larger pots, the shift being given before
the plants become very potbound, and
the watering done with care at this
stage, for should the soil get soured
at such a period the plants are likely
to come to a halt from which they may
not recover. Decayed sod with a lib-
eral quantity of dry cow manure mixed
in it is the most satisfactory compost
used by the writer in growing this
fern, but neither wet soil nor wet man-
ure should be used for them, or the
roots are likely to get a check. Another
point to remember is that while Adian-
tum Farleyense enjoys fresh air it does
not enjoy strong draughts, and this
point should be kept in mind when ven-
tilating the house in which it is grown.
After the plants have reached such a
size as to be ready for sale or for cut-
ting, which is usually about 5 or 6 inch
pot size, they should be given more air
and light, in order to harden the foliage,
else it will not last long when cut.

Adiantum cuneatum, and, in fact, a
majority of those to which reference
has been made in the present article,
are more generally grown planted out
on side benches, or in low houses, than
in pots, where the production of fronds
for cutting is the object. Young plants
from 3-inch pots are a size that should
prove satisfactory when planted out on
the benches in May or June, given
some shade during the hottest weather,
and fully exposed to the sun by the
middle of September. These plants are
put about ten inches apart in a bench
containing five inches of soil, being
careful not to plant too deep, for the
crown should not be buried, and in a
compost similar to that suggested for

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Department.**

A. Farleyense. Care in watching when the plants are first planted is one of the essentials to insure the roots being moist without making the soil sour, then give plenty of ventilation both night and day to avoid the moisture condensing on the foliage, and the Adiantums should grow away freely and produce a good crop of sturdy fronds. When cutting take the whole crop from each plant at a cutting, then keep the crowns slightly drier for a time until they show signs of growth, after which the watering may gradually come back to the normal. For ferns of this class a night temperature of 60 degrees is good, but A. Farleyense prefers a few degrees higher.

W. H. TAPLIN.

Dahlias.

When the frost has killed down the tops of the dahlias they should be dug and stored in their winter quarters. They should be cut to within a few inches of the ground and then carefully dug, and the earth shaken off the tubers. It is well to turn them upside

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

A Bridal Shower.

A unique bridal shower was made for a bride recently which attracted a great deal of attention and was also a most novel and interesting change from the older customs.

The bride and bridesmaid bouquets were all made in individual clusters—for instance, the bridal bouquet was of cattleyas; each orchid was arranged in a separate cluster with maiden hair fern and a smaller white orchid. There were about eight of these corresponding to the number of bridesmaids. They were tied closely together to resemble one bouquet—but each had its individual ribbon so arranged as to resemble a shower and on this shower was attached tiny bunches of maiden hair fern.

The bridesmaids' bouquets were of lavender sweet peas and made in the same manner as described above—about two dozen individual bunches in

individual bouquets of this pretty floral shower. It was a most picturesque sight and carried with it the pretty omen that whoever catches one of these bouquets will be the next in line for the altar nuptials. A. E. KLUNDER.

A Suggestion for the Window.

Suspend an oblong basket with brass chains on each side and fill with poinsettias and holly berries, finish with maiden hair fern, using asparagus to intermingle and fall below, this to be caught up with wide red satin ribbon from which is suspended a ball made of holly leaves arranged in flat fashion on the ball, from which suspend a dozen tiny red immortelle Christmas bells from the center of the ball beneath. Bank and arrange window in holly green, but nothing of a brilliant sort to detract from the basket setting. This is suggestive of larger possibilities where more elaborateness is desired.

A. E. K.

A Green Dinner Decoration.

Make a broad strip or scarf effect of maiden hair, allow this to extend the longest width of the table. In the center use a low flat basket arrangement of lily of the valley, using tiny electric lights covered with green catgut among the maiden hair fern. Give each guest a bunch of lily of the valley and maiden hair fern. The glass service should be green. If a complete green setting is desired and one oddly effective is mignonette in the center instead of valley and then also give each guest a bunch of mignonette tied with green gauze ribbon.

A. E. K.

Table Decoration.

Chrysanthemums combined with geraniums (scarlet), holly berries and a delicate touch of lilac and a few fronds of maiden hair and cover the vase with a variegated ivy. Lily of the valley and white cyclamen with purple tips and a few fronds of maiden hair is excellent. For an orchid arrangement take a tall trumpet-like vase, fill with cattleya orchids and a few of the fine white variety, take asparagus and trail them from mouth of vase to the table, place on table a mat of green galax leaves and at intervals long sprays of asparagus.

A. E. K.

A Garland Table Decoration.

Make an artistic loose garland of pink roses and carnations just inside of the plate arrangement, in other words curve around wine glasses, making the curves as artistic as possible. In the center make a carpet of roses leaving a small round space in the center for a vase of good height, fill this with moss and arrange like a basket with lily of the valley. For each guest place tiny vases filled with lily of the valley, these could be arranged to advantage on the rose carpet with tiny garlands connecting each souvenir vase of lily of the valley. A. E. K.

HAMMONTON, N. J.—J. Murray Bassett will open a first-class florist establishment in the Ballard building, Bellevue avenue, on November 19. A neatly printed invitation was extended to friends and patrons to attend the opening upon that date.



TABLE DECORATION OF MY MARYLAND ROSES.

Arranged by The Geo. Wittbold Co. at the Chicago Show.

down, and let the surplus water in the stem drain off. They should then be placed in a shed, or out of doors, where they can be protected from frosts and allowed to dry. A good frost-proof cellar, preferably with a loam bottom, is the best place to keep them during the winter. Be careful in the labelling, and keep the varieties separate and properly labelled. In placing them in the cellar, cover with fine soil, through which has been mixed a little air-slacked lime, to prevent any decay.

each bouquet with their individual streamers. The bouquets are tied together with a wider ribbon of chiffon—the streamers being of the chiffon ribbon as well. The wide ribbon is so arranged with a knot that it can be easily untied.

As the bride left she scattered her individual bouquets to her bridesmaids—and the bridesmaids in turn scattered their bouquets, throwing them towards the bride, and all there to give the send-off tried to catch these little

PLANT NOTES.

Roman Hyacinths.

The Roman hyacinths can now be forced into bloom very easily, especially if the bulbs were procured early and potted or boxed at once when received. They will require a great deal warmer treatment at this time of the year than they do later on. The early forcing is best done by plac-

the house should be swept out at least once a week, leaving no decaying vegetation in the walk or under the benches. Cleanliness in rose culture is absolutely necessary.

Pansies.

A very good crop to follow the chrysanthemums is pansies, but they should be grown in a house that can be held at a very cool temperature and with lots of ventilation and should not be attempted in a house where

and replace with fresh soil. They will like a good strong soil and if large flowers are desired at least one-third rotted manure should be added. The plants should be of early summer sowing and should be planted eight or nine inches apart. When fresh set give them a good watering and after that, until the plants begin to make a good growth, only water around the plant, or the soil, in which the roots have not yet run, will get sour. The large Trimardeaus Bugnots and giant strains are the best for greenhouse culture. Keep a good watch for aphids and if the house cannot be fumigated owing to other crops, such as violets, syringe with one of the nicotine solutions if these insects appear. If poorer soil is used the plants will need feeding when they begin to bloom in order to get nice large flowers.

Smilax.

The smilax bed should be in cutting now, and when cutting the crop begin at one end and cut all the strings in order. Under no circumstances cut a fine string here and there and leave the rest growing. If this is done the plants that are left with the strings growing will need watering and if the plants that have been cut off are watered the bulbs will rot and the next crop spoiled. After the strings have been cut withhold water for a week or ten days or until the young growths have attained a height of eight or ten inches and then start to water regularly again. By cutting in this manner a succession may be obtained and from now on the grower will always have a crop on hand. Smilax is very easily grown if handled properly but it requires a warm temperature not less than 60° at night and 65° is better. If grown in this temperature the plants will yield four crops in a year. When the second crop is cut off a top dressing of rotted manure will be of great benefit but do not use any fresh manure or the ammonia arising from it will burn the



TABLE DECORATION OF PERLE ROSES AND WHITE LILAC.

Arranged by Schiller at the Chicago Show.

ing the pots or boxes under a bench in a warm house and if possible near the heating pipes, not too close to steam pipes, but they can be placed on top of hot water pipes with a board between the pots or boxes and the pipes. Allow them to stand here until the foliage begins to make quite a little growth and then bring them up to the light. Have one day in the week that is known as "bulb day" and bring up each week as many of each variety of bulb as will be deemed necessary and in this way keep a constant succession throughout the season.

ROSES.

The crucial period for the rose grower is now at hand, and the crop of the winter depends greatly upon the proper treatment of the houses when the shorter days and the cooler nights come on. The plants should have made a good healthy growth and as the weather conditions are now very changeable, constant watchfulness is absolutely necessary. One of the most important things is ventilation and an even temperature should always be maintained. It will be necessary to keep the fires going for the whole twenty-four hours giving air during the day at all times and a little crack of ventilation at night if necessary. Keep the atmosphere bright and while the rose likes a moist atmosphere never allow it grow stale or clammy. Syringe early enough to have the plants dry off by night and if as sometimes happens the morning is bright and later the sun is obscured by clouds it is a good plan to go around them and tap the plants with a light stick dislodging any water that may stand upon the leaves. Keep the beds cleaned from all leaves that drop and

there is other stock that requires heat. They belong to the violas and require very similar treatment to the commercial violets, but will stand a little more warmth than that plant, especially the double variety. Do not attempt to grow them in the soil in which the chrysanthemums have been grown but fill the benches with new soil or if in beds remove the top soil



POEHLMANN BROS. CO.'S PRIZE VASE OF AMERICAN BEAUTY ROSES.

At the Chicago Show.

tender foliage and entirely ruin it. In cutting a bed of smilax the strings at the last end may be left until they begin to flower, but do not allow them to fruit for the fruiting exhausts the strength of the plant and the future strings will not be as fine as they otherwise would be. Be sure and keep the plants strung all the time, and any shoots that get away from the strings wind them in so as to keep them growing straight.

immense stock of asparagus plumosus nanus and adiantum for cutting. Their pot stock covers practically the whole range of demand for a first class retail store. Orchids, ferns, azaleas, stevias and many other plants are seen in profusion.

At their range a piece of work was recently completed that deserves more than passing mention. A babbling brook, which in rainy weather gained the proportions of a torrent, ran

ing and guiding spirit, is large, up-to-date and splendidly equipped. There is a large conservatory in the rear suitable for large palms and other fit plants. The facilities for the rapid loading of wagons are admirable and no expense has been spared to make everything convenient for the rapid transaction of business.

In writing of the personality of these men, we will indulge in no fulsome flattery. Both are admired and respected, both by their neighbors and their competitors in business. Both have always taken an active interest in the Society of American Florists and William F. Gude is one of its past presidents. At present he is president of the Washington Chamber of Commerce, and, like his brother, is active in all that pertains to the welfare of the people of the beautiful capital city.

New Chrysanthemums.

The greater part of the new chrysanthemums which our specialists gave us this season are now almost through blooming and permit us to give our opinion as to their value. Of the ones I have tried I shall grow comparatively heavy the following season, Donatello, Edmund Albe and Elise Papworth. The exceedingly busy summer in our shipping trade, and the building of several new houses made us neglect our chrysanthemums more or less at a time when they should have been taken better care of, but in spite of all this the above mentioned varieties have done well and can be considered "Easy Doers," especially so Donatello, which has given us splendid flowers of good size, color and substance.

Donatello is one of the novelties disseminated by Elmer D. Smith & Co., and deserves a place with every grower to follow up Golden Glow. As the illustration shows the flower is almost round, slightly incurved of a fine deep yellow, foliage up almost to the flower, stem dark brown, the picture of health and did well here from any bud.

Elise Papworth has a fine color, bluish pink, flower medium, incurved and if well handled should make a capital flower for commercial purposes.

Edmund Albe is a big fellow of a pure glistening white, incurved and borne boldly on a good stem with good foliage. We have watched this variety with greatest interest and shall



GROUP OF CHRYSANTHEMUM PLANTS AT MINNEAPOLIS SHOW.

WITH THE GROWERS

Gude Brothers, Washington, D. C.

Though we are living in a time when there is much cynicism and faultfinding, it is a fact that honest, earnest and successful work is appreciated and applauded. We do not mean that all the people are at all times ready to make the welkin ring in honor of successful men, but the plain people, the honest and right-thinking people, whether of high or low degree in the possession of worldly goods, usually show their appreciation of men who have successfully and honestly risen from the ranks to positions of prominence. There are many men in the florist business who have fought their way up to positions of independence and affluence, but for the subjects of this sketch we have selected Adolphus and William F. Gude of Washington, D. C.

Both these men are yet in the prime of life, but they have built up in a comparatively few years a florist business that is the admiration of their fellow citizens and many others who have kept in touch with their activities. Within the past two years, 88,000 square feet of glass has been added to their range, which now comprises a total of 175,000 square feet. At the present time there are 15,000 plants of American Beauty and 25,000 plants of the best varieties of tea roses, the latter including Killarney, White Killarney, My Maryland, Bride and Bride-maid, Enchantress and Perle. They are also extensive growers of carnations, sweet peas and various other stocks for cutting. Recently they have successfully taken up the culture of gardenias. Their chrysanthemum area is extensive and their stock very fine, including many pot plants. They grow an

through their land. It may have been ornamental and inspiring of sentiment, but to the practical eye of Adolphus Gude, who superintends the range, it was not useful. He therefore conceived the idea of putting it in a straightjacket, so to speak. A culvert, 1,200 long and 6 feet in diameter, was built over it. In the construction of this 200,000 bricks and 500 barrels of cement were used. All this did not hurt the brook, and it will enable the Gudes, if they choose, to build another large greenhouse on the site of its meanderings.

The great output of this range is largely sold in their retail store, 1214 F street, Washington. This store, of which William F. Gude is the manag-



VIEW IN FOYER AT NEW YORK HORTICULTURAL SOCIETY SHOW.



CHRYSANTHEMUMS AT THE CHICAGO SHOW.

Experts Said That the Chrysanthemum Plants at the Chicago Chrysanthemum Show This Year Were the Finest Ever Seen in the West. The Effective Group Shown Above Was Made Up of the Exhibits of Various Growers, and Contains Many of Vaughan's Seed Store First Prize Specimens, This Firm Winning 16 of a Possible 17 First Prizes for Chrysanthemum Plants.

certainly grow a good big lot of it next year.

Of last year's novelties, Mrs. W. E. Kelley is just finishing up and is certainly a grand flower of a deep yellow, it takes the eye and is the showiest flower of all the yellows we have ever grown or seen. President Taft is far better this season than last year, we gave it more room and took a later bud, and while last year the neck was too weak to hold the immense flower, we have no fault to find with it this season, and shall certainly devote a large space to it the coming year.

J. L. S.

THE EXHIBITIONS.

Indiana State Florists' Association.

Tomlinson Hall, the scene of the flower show given by the Indiana State Florists' Society, was beautifully decorated for the occasion. Laurel wreathing and southern smilax formed the overhead decoration, while palms and decorative plants grouped in sections added to proper surrounding for a show of this kind. Many of the city's large palms, which adorn the public parks throughout the summer months, were loaned to the society for the show week. About half way between ceiling and floor in the center of the hall was suspended a make-belief airship in small size. Attached to the airship were the flags of many nations. Montani Brother's orchestra of eight pieces was engaged for the week and furnished good music during afternoon and evening. Tomlinson Hall is lighted by gas-light and resultingly many of the fine collections of carnations went to sleep after three or four hours after being brought into the hall. In addition to the above named plants and cut flowers on display, there were some new baskets gotten out by H. W. Fachman, the Excelsior Wire Works man of this city.

On November 10, a banquet was given at the Commercial Club by the Indianapolis Florists in honor of the visitors. About fifty were seated in the banquet hall, and although there was no formal toast list, F. B. Alley, who presided, called upon a number to give short talks. Among those who spoke was J. D. Carmody, of Evansville, the first president of the State Florists' Association, which was organized thirty-five years ago. Fred H. Lemon, of Richmond, expressed the opinion that the florists of that city will ask the State Florists' Association at its next meeting to hold a show in Richmond next year. He proposed a plan to hold a show every year in one of four or five cities which will be formed into a circuit. An orchestra played while the banquet was being served and music was furnished at intervals by a male quartet. A vaudeville team composed of Nilius and Bohnstadt sang and executed a number of fancy steps, which were enthusiastically applauded.



Chrysanthemum Donatello.

The list of guests included the following florists from other cities: E. C. Bissell, of Muncie; G. R. Gause, Hy Shepard, George Fulle, J. A. Evans, Fred A. Lemon, Ray Longnecker and Charles Knopf, of Richmond, Ind.; W. W. Coles, of Kokomo; J. D. Carmody, of Evansville; R. A. McKeand, of Marion; S. Humfeld, Muncie; J. S. Stuart, J. E. Stuart, J. A. E. Haugh, of Anderson; F. E. Dörner, of Lafayette; R. Witterstatter, and J. A. Peterson, of Cincinnati; James Jones, Richmond; William Walker, of Louisville; M. Heller, P. Ollinger and Peter Weiland, of Newcastle; Jacob Schulz, George Schulz, August Baumer, Louisville; B. F. Hensley, Knightstown; H. P. Smith, Piqua, Ohio; P. O. Tauer, Lebanon; E. M. Hyatt, Anderson; Charles Hitz and William Hitz, Madison. The following is a list of the prizes awarded:

Chrysanthemums.

Specimen plant, white.—Roepke & Rieman, first; A. Wiegand & Sons, second.
Specimen yellow.—A. Wiegand & Sons, second; Roepke & Rieman, third.
Specimen pink.—A. Wiegand & Sons, second; Roepke & Rieman, third.

Specimen, any other color.—A. Wiegand & Sons, second; Roepke & Rieman, third.

Six plants, three or more varieties grown in bush form, in 8-in. pots.—A. Wiegand & Sons, second; Roepke & Rieman, third.

Six plants, one variety, white.—Hartje & Elder, second; A. Wiegand & Sons, third.

Six plants, one variety, yellow.—Hartje & Elder, second; A. Wiegand & Sons, third.

Six plants, one variety, pink.—Roepke & Rieman, first; A. Wiegand & Sons, second; Hartje & Elder, third.

Six plants, six varieties.—A. Wiegand & Sons, second.

Six plants, single white.—Hartje & Elder, first; A. Wiegand & Sons, second; Roepke & Rieman, third.

Six plants, single pink.—A. Wiegand & Sons, first.

Six plants, single assorted colors.—Roepke & Rieman, first; A. Wiegand & Sons, second.

Fifty blooms, one variety, white.—E. G. Hill Co., Richmond, first; Roepke & Rieman, second; W. W. Coles, Kokomo, third.

Fifty blooms, 1 variety, yellow.—F. Dörner & Sons Co., Lafayette, first; E. G. Hill Co., second; W. W. Coles, third.

Fifty blooms, one variety, pink.—Roepke & Rieman, first; F. H. Lemon & Co., Richmond, second.

Fifty blooms, one variety, any other color.—F. H. Lemon & Co., second.

Twenty blooms, one variety, white.—E. G. Hill Co., first; Geo. R. Gause, second; Roepke & Rieman, third.

Twenty blooms, one variety, yellow.—E. G. Hill Co., first; Baur & Smith, second; F. Dörner & Sons Co., third.

Twenty blooms, one variety, pink.—E. G. Hill Co., first; Roepke & Rieman, second; F. Dörner & Sons Co., third.

Twenty blooms, one variety, any other color.—E. G. Hill Co., first.

Six blooms, one variety, stems 18 to 24 inches long, white.—E. G. Hill Co., first; Geo. R. Gause, second; P. O. Tauer, Lebanon, third.

Six blooms, one variety, yellow.—E. G. Hill Co., first; F. H. Lemon & Co., second; F. Dörner & Sons Co., Lafayette, Ind., third.

Six blooms, one variety, pink.—E. G. Hill Co., first; Elmer D. Smith & Co., Adrian, Mich., second; P. O. Tauer, third.

Six blooms, one variety, red.—Elmer D. Smith & Co., first; E. G. Hill Co., second.

Six blooms, one variety, bronze.—Elmer D. Smith & Co., first; E. G. Hill Co., second.

Six blooms, one variety, any other color.—Elmer D. Smith & Co., first; E. G. Hill Co., third.

Twenty-five blooms, 25 varieties.—E. G. Hill Co., first; Elmer D. Smith & Co., second; Roepke & Rieman, third.

One hundred sprays pompons, assorted colors.—Baur & Smith, first; Hartje & Elder, second; E. G. Hill Co., third.

One hundred sprays single flowered assorted colors.—E. G. Hill Co., first; Hartje & Elder, second.

Six blooms, seedlings, sports and undisseeded importations, one variety, white.—E. G. Hill Co., Glacier, first.

Six blooms, one variety, yellow, darker than Major Bonnaillon.—E. G. Hill Co., yellow seed-

ling and sweepstakes prize, The Vaughan Silver Cup.

Six blooms, one variety, pink, lighter than Dr. Enguehardt.—Roepke & Rieman, 20-09, first; Elmer D. Smith Co., 454-1-08, second.

Roses.

One hundred blooms, American Beauty.—South Park Floral Co., Newcastle, first; A. Wiegand & Sons, second.

One hundred blooms, Killarney.—A. Wiegand & Sons, first; B. F. Hensley, Knighttown, second. Fifty blooms, Richmond.—Fred H. Lemon & Co., first; A. Wiegand & Sons, second.

Fifty blooms, White Killarney.—E. G. Hill Co., first; A. Wiegand & Sons, second.

Fifty blooms, My Maryland.—A. Wiegand & Sons, first.

American Institute of New York Show.

The seventy-ninth annual fair of the American Institute was a very pretty exhibition when everything was put in place. Chas. H. Totty, Madison, N. J., made an extensive display of hardy chrysanthemums in addition to his fine exhibit of Japanese varieties. He also showed the two new roses, Radiance and Lady Hillington. The former seems to have a pleasing rose pink color and, if its other attributes meet the commercial standard, it should prove a winner. Lager & Hurrell staged a nice collection of orchids, about forty varieties, and all showing some flowers. This firm has many new things, especially in cypripediums. The group of decorative and flowering plants set up by Henry Turner helped materially in enhancing

Ten varieties, one each.—E. McKenzie, first; J. Tansey, second.

Ten blooms, white, any variety.—Alex. MacKenzie, first, with Merza; Geo. H. Hale, second.

Ten blooms any pink variety.—Harry Turner, first, with Mrs. M. Hankey; Geo. H. Hale, second.

Ten blooms any yellow variety.—Alex. MacKenzie, first, with Mary Donnellan; Geo. H. Hale, second.

Ten blooms any crimson variety.—N. Butterbach, first, with Pockett's Crimson; Geo. Hale, second.

Ten blooms any bronze variety.—Harry Turner, first, with Howard Gould; N. Butterbach, second.

Ten blooms in variety.—Harry Turner, first; N. Butterbach, second.

Six blooms any white variety.—J. T. Burns, first, with Mrs. D. V. West; Thos. W. Head, second.

Six blooms any pink variety.—Geo. H. Hale, first, with a seedling; Harry Turner, second.

Six blooms any yellow variety.—Alex. MacKenzie, first, with R. F. Felton; Thos. W. Head, second.

Six crimson.—Harry Turner, first, with Pockett's Crimson; Thos. W. Head, second.

Six bronze.—Thos. W. Head, first, with Rose Pockett; Harry Turner, second.

Six white Japanese incurved.—Geo. H. Hale, first, with Merza; Thos. W. Head, second.

Six yellow Japanese incurved.—Thos. W. Head, first; Geo. H. Hale, second.

Six pink Japanese incurved.—Thos. W. Head, first, with Miss M. Hankey; Harry Turner, second.

Six crimson Japanese incurved.—Thos. W. Head, first, with Pockett's Crimson; James Atchison, second.

Six bronze Japanese incurved.—Harry Turner, first, with Glenview; Thos. W. Head, second.

Six white Japanese reflexed.—Francis Milne, first, with May Seddon; Max Schneider, second.

Six yellow Japanese reflexed.—Geo. H. Hale, first, with Mrs. Thirkell; Thos. W. Head, second.

Six pink Japanese reflexed.—Francis Milne, first; Thos. W. Head, second.

Six crimson Japanese reflexed.—Geo. H. Hale, first, with Pockett's Crimson; Thos. W. Head, second.

Six bronze Japanese reflexed.—Thos. W. Head, first, with Rose Pockett; Wm. Dowlen, second.

Six anemone flowered white.—Wm. Dowlen, first; Geo. H. Hale, second.

Six anemone flowered yellow.—W. Dowlen, first; N. Butterbach, second.

Six anemone flowered pink.—N. Butterbach, first; J. Kennedy, second.

Six anemone flowered crimson.—W. Inglis, first; Francis Milne, second.

Six anemone flowered bronze.—Wm. Dowlen, first; Francis Milne, second.

Six blooms new varieties, pink.—Geo. H. Hale, first, with a seedling.

Six any color.—Thos. Atchison, first, with Driftwood, pale yellow.

Vase mixed anemone flowered.—W. W. Kennedy & Sons, Red Bank, N. J., first; Geo. H. Hale, second.

Vase plumed varieties.—Wm. Dowlen, first; Geo. H. Hale, second.

Vase single varieties.—Geo. H. Hale, first; W. W. Kennedy & Sons, second.

Collection of hardy varieties, 20 vases.—Francis Milne, first; J. O. Everitt, second.

Collection 10 vases.—Francis Milne, first; N. J. Sealey, second.



POEHLMANN BROS. CO.'S FIRST PRIZE VASE OF WHITE KILLARNEY ROSES.

At the Chicago Show.

Fifty blooms, Bride.—P. J. Olinger, Newcastle, first; B. F. Hensley, second.

Fifty blooms, Bridesmaid.—B. F. Hensley, second.

Fifty blooms, any other variety.—Chas. Knopf Floral Co., first.

Carnations.

Fifty blooms, one variety, white.—F. Dorner & Sons Co., first; E. G. Hill Co., second.

Fifty blooms, one variety, flesh.—E. G. Hill Co., first; F. Dorner & Sons Co., second.

Fifty blooms, one variety, light pink.—F. Dorner & Sons Co., first; Baur & Smith, second.

Fifty blooms, one variety, deep pink.—Nic. Zweifel, North Milwaukee, Wis., first; F. Dorner & Sons Co., second.

Fifty blooms, one variety, scarlet.—E. G. Hill Co., first; F. Dorner & Sons Co., second.

Fifty blooms, one variety, crimson.—F. Dorner & Sons Co., first; Baur & Smith, second.

One hundred blooms, assorted colors in one vase.—F. H. Lemon & Co., first; F. Dorner & Sons Co., second.

Specimen nephrolepis Bostoniensis.—A. Wiegand & Sons, first; Pahud Floral Co., second.

Specimen crested form of nephrolepis.—Roepke & Rieman, first; A. Wiegand & Sons, second.

Specimen Adiantum Farleyense.—Pahud Floral Co., first; Roepke & Rieman, second.

Ten plants cyclamens, pots not less than six inches.—E. A. Nelson, first; Roepke & Rieman, second.

Ten plants Gloire de Lorraine begonia, or its type, pots not less than six inches.—E. A. Nelson, first; A. Wiegand & Sons, second.

Display of decorative plants, covering 72 sq. ft. of space.—A. Wiegand & Sons, first; H. D. Shilling, second.

Twenty-five chrysanthemum plants grown to one flower, one variety, white.—Baur & Smith, first.

Twenty-five plants, one variety, yellow.—Baur & Smith, first; Roepke & Rieman, second.

Twenty-five plants, assorted colors.—Roepke & Rieman, third.

Table decorations on vote of visitors.—A. Wiegand & Sons, first, 1,808 votes; E. A. Nelson, second, 1,453 votes; Pahud Floral Co., third, 1,222 votes.

Special Prizes.

The S. A. F. Bronze Medal awarded to the second best exhibit of undissected plant or variety of American origin.—E. G. Hill Co., for new rose, Rose Queen.

Certificate of merit.—Hartie & Elder, for seedling pompon chrysanthemum.

Certificate of merit.—J. A. Peterson, Westwood, Ohio, for begonia, Glory of Cincinnati.

Honorable mention.—H. P. Smith, Piqua, Ohio, for chrysanthemum, Yellow Touse.

A. W. B.

the beauty of the show as a whole. In this group plumed celosias and clerodendron fallax played a distinguished part. Julius Roehrs Co. had a magnificent collection of orchids, crotons and a general assemblage of store ornaments that was also one of the beauty spots of the exhibition.

The quality of the exhibits in the cut chrysanthemum class was superb. Taken altogether the exhibition as a whole was a very pleasing one indeed and well up to the previous records of this society. W. A. Eagleson as secretary and W. C. Rickards as manager used every endeavor to serve everybody to the utmost and succeeded admirably in their efforts. The awards were as follows:

Chrysanthemums.

Twenty-five white.—Harry Turner, first; Alex. MacKenzie, second.

Thirty varieties, one of each.—N. Butterbach, first; Thomas Atchison, second.

Twenty varieties, one bloom each.—Thos. W. Head, first; Wm. Dowlen, second.



POEHLMANN BROS. CO.'S FIRST PRIZE VASE OF KILLARNEY ROSES.

At the Chicago Show.

Plants.

Specimen standard white—Harry Turner, first.
 Specimen pink—Harry Turner, first; Max Schneider, second.
 Specimen yellow—Harry Turner, first.
 Twelve plants, single stem, dissimilar—Harry Turner, first; James Atchison, second.

18 feet in circumference. Other well-known specimens, such as Golden Gate, May Forster, Miss Filkins, Cosmos, Dr. Enguehardt and others, were shown in splendid condition. The large groups of chrysanthemums, with palms and ferns included, were a great attraction. A. J. Smith, gardener to J. J. Mitchell, carrying off

William Currie from Milwaukee, and Mr. Blackwood, Lake Geneva, acted as judges. The society held its annual banquet at the Y. M. C. A. on the evening of November 7, where 120 guests assembled, a very nice course dinner being served by the ladies. The chief speakers of the evening were F. Cransfield, Madison, whose topic was "Reminiscences." W. Currie spoke on the attainments of horticulture; A. J. Smith, secretary of the society, gave a brief history of the work done since the society was organized. Music and singing by Mrs. Dr. Matter were very much enjoyed, and altogether another beautiful evening passed into history.

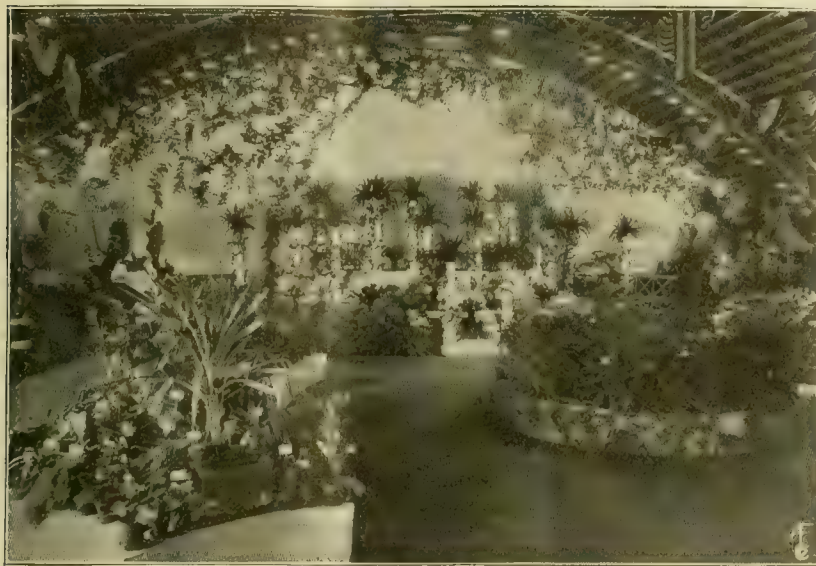
A. J. S.

Albany Flower Show.

The second annual flower show of the Albany Florists' Club was held in the state armory November 10-13 and on the whole was a larger exhibit than last year. The weather was not so propitious as was desired and considering that fact the attendance was fairly satisfactory.

Some labor devolved upon the judges in making the awards and on the whole their decisions were excellent. Those who passed upon the exhibits were: Edward J. Norman, Lenox, Mass.; Alfred H. Wingate, Lenox, Mass.; W. G. Saltford, Poughkeepsie; Thomas J. Totten, Saratoga Springs; J. R. Fotheringham, Tarrytown, and Dale S. Carpenter, Cohoes. The prize for the handsomest decorated booth, a cup offered by the Albany Florists' Club, went to John J. Berberick of this city. The Danker cup for the best collection of cut orchids went to Alfred Loveless, Lenox, Mass., who brought to this city a collection of 53 varieties well worth going far to see, some of which were rare. Fred A. Danger won first prizes for mantle decoration, vase of 50 White Perfection carnations, six plants of *Oncidium varicosum*, six plants of *Cattleya labiata*, vase of 50 white carnations, specimen *Areca lutescens*, group of plants arranged for effect, specimen of palm, group of palms to occupy 25 feet square, collection of orchid plants, vase of chrysanthemums, arranged for effect, arranged window box of evergreens, vase of 25 white chrysanthemums, best vase of 25 white chrysanthemums in the show with sweepstake honor. W. C. Glockner won first prizes for specimen plant, table decoration, basket of carnations, basket of roses, basket of chrysanthemums, bride's and bridesmaid's bouquets. Henkes Brothers won first prizes for the largest and best exhibit of boxwood trees, collection of ferns, collection of araucarias, vase of 25 pink carnations. The Luther cup for the best collection of 100 carnations, any color, any variety, went to William Hannell, Watervliet, who also took first prizes for a vase of 25 red carnations, vase of 25 rose pink or darker, group of Gloire de Lorraine begonias, vase of chrysanthemums other than white, yellow or pink varieties, vase of 25 Bridesmaids, vase of 25 Pink Killarney, vase of 25 White Killarney. S. P. Shutter, Lenox, Mass., A. J. Jenkins, gardener, received first prize for a collection of cut chrysanthemums and Alfred Loveless, second. A. E. Whittle of this city had on view some very choice roses and received first prizes for vases of 25 Carnot and Kaiserin Augusta Victoria.

R. D.



GREEK TEMPLE AT WASHINGTON FLORISTS' CLUB FLOWER SHOW.

Six plants, one variety—Harry Turner, first.
 Group of flowering and foliage plants—Harry Turner, first.

Collection of orchids—Lager & Hurrell, first, with a group comprising over 40 varieties in bloom. Conspicuous in this exhibit was the new *Cypripedium*, *C. insigne* Hurrellianum, a very charming variety.

Roses and Carnations.

Twelve American Beauty—L. A. Noe, first.
 Twenty-five pink—L. A. Noe, first, with Bridesmaid; Francis Milne, second.

Twenty-five white—L. A. Noe, first, with White Killarney; Francis Milne, second.

Twenty-five red—L. A. Noe, first, with Richmond; Wm. McBean, second.

Twenty-five and other color—Francis Milne.

Three varieties carnations, 25 of each—Geo. H. Hale, first; J. T. Burns, second.

Vase 25 blooms, one variety—J. T. Burns, first, with Enchantress; James Atchison, second.

Best bunch violets, 100 blooms—Harry Turner, first; Max Schneider, second.

Special Prizes.

Special awards were accorded to Geo. T. Schunmeier, Baldwins, N. Y., for collection of sweet peas; Thos. Meehan & Sons for hardy chrysanthemums; Wm. Cordes for specimen chrysanthemum plant, Garza, and one for specimen plant of Brutus; Geo. H. Hale for collection of seedling chrysanthemums; C. D. Schaeffer for collection of anemone flowered chrysanthemums; J. O. Everitt for specimen Begonia Gloire de Lorraine; D. E. Roy for pompon chrysanthemums; Harry Turner for specimen plants of chrysanthemums in bronze, yellow and pink; also for basket of plant; Chas. H. Totty, Madison, N. J., for each of the following: New rose, Lady Hillington; carnation, White House; carnation, Princess Charming; collection of chrysanthemum varieties; collection single and pompon varieties, new; collection new Japanese chrysanthemums; collection Chinese incurved varieties, new; Julius Roehrs Co., Rutherford, for group of ornamental plants.

The judges were Eugene Dailledouze, Geo. Middleton, James Duthie, David MacFarlane, John McNichol.

Lake Geneva Gardeners' Association.

The sixth annual chrysanthemum exhibition of the Lake Geneva Gardeners' and Foremen's Association was held November 7-8, and was a pronounced success. The quality of the exhibits exceeded by far those of any other year, the large blooms, such as Dr. Enguehardt, Mrs. Weeks, Yellow Eaton, Golden Dome, Col. D. Appleton, Timothy Eaton, Major Bonnaillon and many others were the best that were ever exhibited at Lake Geneva. The specimen chrysanthemum plants were one of the chief attractions of the show. A large single variety Catherine Livingston, which is a product of Lake Geneva, was shown by A. J. Smith, the plant measuring

the first prize; Joseph Krupa, gardener to N. W. Harris, being second, and Axel Johnson, gardener to R. T. Crane, third. In the single flowering chrysanthemum groups A. J. Smith, was first, Wm. P. Longland, gardener to C. L. Hutchinson, second. A very creditable showing was made by Wm. Longland, in groups of anemones and pompons. A splendid specimen plant of *Ficus Parcels* was shown by A. J. Smith, J. Krupa being a very close second, with a perfect specimen of *Diffenbachia magnifica*. A. J. Smith and J. Krupa contested very keenly in groups of foliage plants. Roses, carnations, lilies, orchids, and Gloire de Lorraine begonias were shown in fine condition. The vegetable collection surpassed anything shown here before. The A. T. Boddington prizes were won by Robt. Sampson, first; A. J. Smith, second; Joseph Krupa, third. The Vaughan prizes, for the best vegetable collection, were won by Joseph Krupa, first; A. J. Smith, second; Robt. Sampson, third.



VIEW OF MILWAUKEE FLOWER SHOW.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THANKSGIVING BUSINESS.—A postal card telling about your Thanksgiving business, mailed any time this week, will reach us in good season for next week's issue and this information will interest many of our readers.

THE La Crosse Floral Co., La Crosse, Wis., advises that our Minneapolis flower show report be corrected as follows: "In the 12 pink we received third on A. J. Balfour, also on 50 Windsor we received first prize, not the Chicago Carnation Co. On 100 white we had Perfection and no White Enchantress exhibited."

American Carnation Society.

CARNATION REGISTERED.

By P. M. DeWitt, Bridgewater, Pa.—Pennsylvania—Boston Market X Harlowarden; color cerise, lighter than Mrs. Lawson; size of flower, two and one-half to three inches. Free from all disease; vigorous in growth. Long wiry stem. Blooms all winter and seldom splits calyx. Very fragrant and one of the best keepers.

A. F. J. BAUR,
Secretary.

Experiment Stations and Horticulture.

Commenting upon the paper by W. N. Rudd on the "Value of the Experiment Stations to Ornamental Horticulture" which was read before the Society of American Florists at Rochester, N. Y., August, 1910, and printed in THE AMERICAN FLORIST issue of October 15, page 569, the following have been received:

I have just read thoughtfully the paper by W. N. Rudd, read before the Society of American Florists at Rochester, N. Y. It seems to me that Mr. Rudd has sounded the key-note to a very important matter. I think he has entirely the right view of the situation.

Personally, I see no reason why certain lines of investigation work in behalf of the florist might not be as potent of beneficial results as has been the investigation work in behalf of the orchardist, the grape grower, the corn grower, or the dairyman.

As evidently was appreciated by Mr. Rudd from the fair way in which he states the matter, the Stations are pushed for the solution of agricultural problems faster than the funds at hand and the number of workers are able to take them up. Naturally then in the past those lines of work have been taken up by the Stations which are more strenuously urged by the largest number of agricultural constituents; or of which there seems to be to the Station workers the greatest need of investigation. I believe that the Experiment Stations could adapt their efforts to working out many problems for the florist, provided funds and men were available for enlarging the work.

J. C. WHITTEN.

Columbia, Mo.

Plants in Hot Beds.

ED. AMERICAN FLORIST:

I have a hot bed 7x14 feet and expect to build more. Can you inform me what kind of plants I can raise and the best manner in which to proceed? Any information you can give will be appreciated.

C. D. E.

In the first place, if C. D. E. contemplates building more hot beds, he will do well to build them six feet wide instead of seven, thus making it possible to use the standard sized sash which is six feet by three. These are easier to handle for one man, last longer, and there is less breakage.

It is not stated whether it is desired to raise vegetables or flowers, but we will assume it is the last named. The great value of a hot bed being the ease with which seeds of annuals, perennials and many other plants can be had, most seeds germinate better in this way than in a greenhouse. To be sure of sufficient heat in the early part of the year, the earth should be excavated to a depth so that there are four feet from the top of boards above ground to the bottom. This will allow for at least a good three feet of fermenting material, well tramped down and made solid. Fresh horse manure is the best for early work, as this gives most heat, but if for later use, a third of leaves may be added. In March, however, it is hardly possible to get the temperature too high. A covering of four to six inches of good soil sifted fine if seeds are to be sown may be put on at once, waiting a week or so for

the whole to warm up, with a little ventilation left at the top to assist the heat in rising. It is most important that the excavation be drained, or water will get in and no heat be generated. After the soil becomes warm, draw drills three inches apart, sow the seeds and cover, if the soil be very wet, cover with sifted dry soil, very little air will be needed until the seeds germinate, it may be necessary to cover up if the nights be cold, using the regular hot bed mats. After the plants appear above ground, careful ventilation is very important, it is the only drawback to their use, for if the tender seedlings are neglected for an hour or two during bright sunshine, all will be injured. If the seeds are sown in rows it is an easy matter to keep out the weeds, and when the seedlings are large enough to transplant, have more frames ready, by this time cold frames may be safe if covered at night, or a little manure be added for warmth. With flower seeds it is generally possible to so harden off the seedlings by the addition of air at night to encourage root growth and keep the top sturdy and hardy until planting out time.

Tomatoes, egg plants, peppers, beets, lettuce, cauliflower, cabbage, celery, parsley and a host of other plants that will all bear transplanting may be started in a hot bed as above, set out when favorable weather comes, and materially lengthen the season of garden flowers and vegetables. Of flower seeds practically all kinds, asters, zinnias, verbenas, heliotrope, cannas, dahlias, snapdragons, stocks, delphiniums, petunias, nicotianas and in fact all flower seeds with the exception of such as do not bear transplanting as poppies, mignonette and sweet peas.

E. O. O.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass.—Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York.—Eugene Dailedouze (chairman), Wm. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa.—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O.—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago.—J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them

two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

WORK OF EXAMINING COMMITTEES.

Boston, Mass., November 5.—Pioneer light pink Japanese, fringed petals, scored 88 points commercial scale and 88 points exhibition scale; exhibited by Alfred J. Loveless, Lenox, Mass.

Chicago, November 12.—Gerald Haschke red reflexed, scored 85 points commercial scale; exhibited by Mrs. B. Haschke, Dayton, O.

Chicago, November 19.—Thanksgiving Queen, white reflexed, scored 88 points commercial scale; exhibited by Elmer D. Smith & Co., Adrian, Mich.

Cincinnati, November 19.—Thanksgiving Queen, white reflexed, scored 89 points commercial scale, and 87 points exhibition scale; exhibited by Elmer D. Smith & Co., Adrian, Mich.

OFFICIAL JUDGING SCALES.

Commercial.		Exhibition.	
Color	20	Color	10
Form	15	Stem	5
Fullness	10	Foliage	5
Stem	15	Fullness	15
Foliage	15	Form	15
Substance	15	Depth	15
Size	10	Size	35
Total	100	Total	100
Single Varieties.		Pompon Varieties.	
Color	40	Color	40
Form	20	Form	20
Substance	20	Stem and foliage	20
Stem and foliage	20	Fullness	20
Total	100	Total	100

Single varieties to be divided in two classes, the large flowered and the small flowered.
CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By thoroughly experienced florist and gardener; middle aged German, single can furnish references from 5 to 7 years in place.
JOHN F. BAHN, Gen. Del., Allegheny, Pa.

Situation Wanted—By December 1 as working foreman; German, married; 35 years old, with 21 years' experience in growing cut flowers and general stock; thoroughly sober and reliable; southern or middle state preferred. Address
CH. HAMMERMAN, Porter Vale, Ga.

Help Wanted—A rose grower for section; state wages expected.
Key 341, care American Florist.

Help Wanted—Two rose growers. Apply at greenhouses.
BASSETT & WASHBURN,
Hinsdale, Ill.

Help Wanted—A first-class rosegrower with experience on beauties for section; will give charge of entire plant if capable to manage it; steady position; state wages expected.
Key 342, care American Florist.

For Sale Cheap—Return tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure.
W. H. BARRETT, Adrian, Mich.

Wanted to Rent—With privilege of buying, a greenhouse plant with from 15,000 to 20,000 feet glass. Will take possession May 1, 1911.
Key 344, care American Florist.

WANTED.

Assistant. Must be sober and a hustler; \$12.00 a week to start.

CHAS. A. DUERR, Newark, Ohio

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

Opening at Nampa, Idaho, for a Florist.

Town of 5,500 people. The distributing point of Southern Idaho and located on two railroads. For particulars write

C. R. HICKEY, Nampa, Idaho

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

WANTED

Bright young man with experience in a wholesale and retail Seed Business; one competent to put up bulk orders, also wait on counter trade. Address with particulars, giving experience and reference.

P. O. Box 1594, Philadelphia, Pa.

FLORIST,

Salesman and high class maker-up; a man with thorough experience and the best of recommendation can find employment with a high class New York florist; wages to start, \$25.00 per week.

Address Key 236, care American Florist.



SUPERINTENDENT

A first-class man with life experience in all branches of work on a large General Estate is open for engagement Dec. 1. Have a thorough knowledge of every detail of the work on an Estate where the highest class products are required. Systematic and economical in management and highly recommended. Address
Key 234 care American Florist.

WANTED.

One of the best Dutch bulb growers, with large growers special in the best qualities of Hyacinths, Early and Darwin Tulips wishes to secure a first-class agent in the United States of America and also in Canada on entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 230, care American Florist.

ORCHID GROWER WANTED.

Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address

LOUIS BURK,

Girard Ave., and Third St., Philadelphia, Pa.

For Sale.

A well established florist and seed store; new clean stock of all kinds of seed; no opposition; busiest part of Berkeley; best part of the year commencing; attractive windows, artistic furniture and fittings, large space partitioned off into four rooms. This is no "get rich quick" proposition but a good honest living for anyone not afraid of work; low rent; price \$1500.

THE KENSINGTON FLORIST,
3310 Adeline St., So. Berkeley, Calif.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F., in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The larger size, one color, \$2.70.

Cash with order.

American Florist Co.

324 Dearborn St., CHICAGO.

"Wonders of the Harvest."

Given by Mrs. J. C. Vaughan at the harvest dinner of the Forestry Class of the Chicago Woman's Club, November 18, 1910.

We are celebrating today the miracle of the year, the Harvest. In truth, it is not one miracle but a cycle of miracles beginning with the seed and ending with the escape of the seed from the fruits. This cycle of miracles is related to other miracles, more or less remote yet powerful in influence upon plant life.

A seed has a few minute, living cells, short-lived in some seeds, so that opportunity for growth must be immediate or they die, and enduring in others through many, many years. Here are two miracles, life itself, and the persistence of life in exceedingly narrow bounds over stretches of time. Heredity is a third miracle of the seed. The cells in seeds seem alike, the soil and climatic conditions for seeds planted in one neighborhood would be alike, yet the cells of one seed construct a rose, true in every remotest characteristic to the rose type; another not far off constructs an onion, true to the onion type, and yet another an oak-tree, true to the oak type. They never forget, they never substitute, they never associate one with the other. How do they know the pattern so perfectly? Is it imprinted in the cell; if so, how, when and where? What or who made the first imprint? Here are three miracles of the seed beyond the ken of any man. The bed of this seed may be the disintegration of mountains, the grind of glaciers, the bottom of some long-forgotten sea. Down in that dark bed, the seed breaks its bonds, and, careless of how it lies, unerringly turns its roots downward and its leaves upward. When its leaves reach the air and light and the seed leaves no longer act as nurses feeding the baby plantlet, earth, water and the invisible air feed it. Do you want to know how generously the air feeds it? Char the trunk of a great tree, the charcoal column is the visible manifestation of the carbon the invisible air gave to it.

Vapor from distant seas, lakes, rivers, ponds and dewy meadows is driven hitherward by any of the four winds out of the four quarters of the globe, is condensed into water and falls as rain for the refreshment and nourishment of our plant. It fell upon it through the silent, invisible law of gravity. Our plant is heated, lighted and energized by yonder sun, out there in the infinite spaces hanging on nothing, whirling around an orbit with immeasurable speed but held in space, fixed in its orbit by the silent invisible laws of attraction.

Our plant feeds on mineral matters in earth, air and water. It digests and assimilates them, makes combustible out of incombustible matter, organic out of inorganic matter and transforms indigestible mineral into nutritious food for all the animals of the world. Without this work life would soon become extinct and earth a barren waste. Is not this a matchless miracle?

Roots have their mysteries of structure, use, selection of food, movement and reciprocal bacterial advantages. Trunks of trees with wide outstretching branches, the product of a tiny seed, are marvels. Sap-circulation, which is often rapid and enormous,

entirely unlike blood circulation in arteries and veins, is a curious mystery.

The leaf is a whole book of marvelous stories—its structure, its chlorophyll (leaf green), which with light energy becomes the starch factory of the world; its impervious epidermis, cut through to the air-spaces below by mouths called stomates, 400 to 100,000 of them to a square inch, billions on leaves of a moderate-sized tree, each stomate with two lips called guard-cells able to open or close according to the supply or lack of supply of water; the enormous transpiration of water, five or six barrels of water evaporated from one tree of fair height and good leafage, in one warm, sunny day; the cunning leaf arrangements for light and rain drainage, the autumn coloring, leaf-cleavage, an amputation without a wound, though leaving a scar, are all wonder stories in this wonderful book. The transformation of branch and leaves into a flower of lovely shape, of varying tints and colors and of sweetest fragrance, is a transformation scene beyond the brain of man to conceive. The invitation of the flowers to the bees, butterflies and other winged things to attend the wedding feast and marriage rites of the flowers is an astonishing and fascinating romance. An egg soon develops a baby plantlet locked in a little cradle, the seed, for a shorter or a longer rest, which is a new creation, and as I said before, a triple miracle.

The transformation of the lovely flowers into fruits of all kinds, akenes, capsules, pods, nuts, shining grains, the full corn in the ear, the purple grape, the rosy-cheeked apple, the yellow pumpkin, the red, red pepper and all the other nourishing and luscious fruits is another astounding miracle. We must not forget the underground stems and roots. They bring to the harvest marvelous tales of work and methods as well as their quota of tubers, bulbs, ground-nuts and edible roots. What bounty! What generosity! Our plants worked independent enterprises; there was no union of labor, each worked by himself from sunrise to sunset on one piece of work and from sunset to dawn on another piece and at the harvest time laid down the product of hard, unintermittent work at the feet of the sower of the seed as a free gift, almost as free as the rain, sunshine and air.

Our plants are great mathematicians. They not only know that complex leaf-arrangement on the stem, which involves fractions, but they also know the multiplication table by heart, for at the harvest time do they not multiply by 20's, 40's, 60's and sometimes even by 100's?

The harvest, Janus-like, looks behind and before—the backward look is a history of the year's work, the forward look is a prophecy of the future with many of the little prophets "in the hand" shut up in the fruits, clamoring for escape and distribution over the earth; eventually, if they have not already done so, they will take flight on wings of various shapes, float on hairs for rafts, catch on to all manner of moving things by all sorts of hooks and crooks and will call to the winds, the waters, the birds and burrowing things to be their

carriers. Man, who does things in big, lordly fashion, will send them, in packetfuls by many routes, to all parts of the known world.

The ultimate source of many of these miracles, like the ultimate atom, has never been traced by man. Perhaps they were in the beginning when God created the Heavens and the Earth, and set His infinite laws in action.

European Horticulture.

Roses Pressed Into Medical Service.—At the London Medical Exhibition at the Horticultural Hall Westminster, roses were to be purchased in tablet form, and were guaranteed to possess death-dealing properties to the microbes of typhoid, influenza, diphtheria, and pneumonia. "Formarose" is the invention of Wainwright Atkinson, who a year ago evolved the massolette, or sour-milk bonbon. A first sniff of "Formarose" produces an odor of roses, but this is quickly succeeded by a pungent antiseptic flavor. It is interesting to learn that roses have, apart from their ornamental use, a utilitarian and medicinal value.

John T. Priestley, of Bristol University, a descendant of the famous scientist, the discoverer of oxygen, gave a lecture before the Royal Horticultural Society on August 30, on the effects of electrical discharges on plants. Mr. Priestley, in cooperation with Professor Newman, has carried out a series of practical experiments in electrical discharges on plants at the farm of Mr. Bomford, of Evesham, with most encouraging results. The method described by Mr. Priestley consists of the conveyance and dispersion of a high voltage electric current over growing produce both outdoors and in greenhouses. The apparatus is so constructed as to send showers of electric sprays over a portion of a growing wheat field, a vegetable garden, and a conservatory 100 feet in length, constructed for the cultivation of cucumbers. The results have been satisfactory, and in some respects surprising. Carefully tabulated, they showed in respect to the outdoor experiments that wheat gained 29 per cent in the process, mangolds 18 per cent, and strawberries 25 per cent. To illustrate the acceleration of growth under the treatment some striking lantern slides were exhibited. In one a boy was shown standing in front of a hawthorn hedge which had been untouched by the electric sprays. The tips of the branches just reached the boy's shoulder. The next picture showed the same boy and the same hedge after two weeks of electric treatment, when the branches were 2 feet or 3 feet above the boy's head. The results in the conservatory were quite as remarkable. Mr. Priestley claimed, as the outcome of his experiments, two definitely ascertained facts—that the growth of the plants is accelerated, and that the plants become strengthened and more able to resist disease. In reply to a question by one of the audience, Mr. Priestley said the keeping qualities of the electrically grown plants were now under observation. So far as he had been able to determine, the wheat kept longer, but mangolds did not keep so well. The strawberries were not so large as those untreated, but they were sweeter and of richer flavor.

AMESBURY, MASS.—H. G. Leslie is erecting a large addition to his greenhouses on Main street and a new boiler room is being built.

CHRISTMAS NUMBER

TO BE ISSUED

December 15

JUST RIGHT FOR THE

Christmas and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.


Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

324 Dearborn St., CHICAGO.

 Please mail advertisements early.

High-class Merchandise Requires
**Dennison
Tags**

Up-to-date Advertisers Use
**Dennison
Tags**

Tho. J. Galvin
NEW YORK PARIS
COR. BOYLSTON ST.
CONSERVATORIES.

**Dennison
Mfg. Co.**

The Tag Makers
Boston New York Philadelphia
Chicago St. Louis



Mention the American Florist when writing



**DO YOU KNOW
ARMADILLO BASKETS**

They Are The Most Unique And Best Selling Novelty Ever Produced

Fashioned with ingenious skill from the armor-like shell of that curious animal of Old Mexico, the Armadillo; they are at once the oddest, prettiest and most sought-for flower baskets ever shown in a Florist's window.

Also made with bright colored silk lining, a beautiful work basket. Get this novelty, show it to your customers, and it will not only sell itself but make much other trade for you.

Order Today. Satisfaction Guaranteed: Prices 60 cents and up. Descriptive Booklet Free.

CHAS. APELT Dealer in Texas and Mexican Curiosities. **Comfort, Texas** (The home of the Armadillo)

MY SPECIALTY IS THE WATER-PROOF PLANT BASKET.

Mention the American Florist when writing

HOLLY

Have 7 years' experience packing holly in cases, 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing.
T. J. EUBANK, Brown's Store, Va.

KUTZTOWN, PA.—Fred M. Baer has just completed the erection of a new greenhouse, the third of the kind which he has built since he began business here some four years ago.

Fancy Holly, Sheet Moss,

**LAUREL, TOMATO SEED,
Autumn Foliage, Mistletoe.**

Ask for prices and references.

W. Z. PURNELL, Snow Hill, Md.

Mention the American Florist when writing

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae, 5 to 10 in.,	\$1.50;	12 to 36 in. \$1.00
White Spruce, 5 to 10 in.,	1.50;	12 to 36 in. 1.00
White Pine, 5 to 10 in.,	1.50;	12 to 36 in. 1.00
Sphagnum Moss, per bale,	75c;	10 bales, \$6.50.

Cash with order.

CHAS. F. UECKE, New London, Wis.
Mention the American Florist when writing

WE HAD THE BEST BEAUTIES IN 1909 They Are Still Best in 1910

Our Beauties won first prize in every Flower Show in which they were exhibited.

Every **ROSE** Entry we made was a prize-winner. **ALL OUR STOCK IS THE SAME HIGH QUALITY.**

PRICE LIST, in effect Nov. 21, 1910.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$6.00
30 to 36 inches.....	\$4.00 to \$5.00
18 to 24 inches.....	3.00
15 inches.....	2.00
12 inches.....	1.50
	Per 100
Short stems.....	\$6.00 to \$8.00

**Maids, Maryland, Richmond, Killarney,
Brides, White Killarney, Kaiserin,
Rhea Reid**

	Per 100
Extra select.....	10.00
Good lengths.....	8.00
Medium lengths.....	\$5.00 to 6.00
Good short lengths.....	3.00 to 4.00

CARNATIONS

	Per 100
Good, red, white and pink.....	\$4.00 to \$5.00

CHRYSANTHEMUMS

	Per doz.
Pink, white and yellow.....	\$2.00 to \$3.00
HARRISH LILIES	per doz. \$ 1.50
	per 100, 12.00
Lily of the Valley	per 100, \$3.00 to 4.00
Asparagus	per string, .60
Asparagus Sprays	per 100, \$3.00 to 4.00
Sprengeri	per 100, 2.00 to 3.00
Ferns	per 1000, 2.00
Smilax	per doz. 1.50
Adiantum	per 100, 1.00
Galax, Green	per 1000, 1.00
Bronze	per 1000, 1.25
Select Pink and White Sweet Peas	per 100, 1.00

ROSES, Our selection, \$3.00 per 100.

—Buy Direct of the Grower and Get Fresh Stock.—

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

GOOD DEMAND.

The weather for the last week, while not stormy, has been cold and lacking in bright sunshine which has materially reduced the cut on all lines of flowers except chrysanthemums, which are still coming into the market and will be the mainstay for large showy decorations for Thanksgiving. The approaching holiday has called for a large output of all kinds of flowers and has caused a general advance in prices in all the better grades and has cleaned up the market of the best salable stock. Some very handsome blooms of W. H. Chadwick, Golden Chadwick and the beautiful dark golden Nagoya chrysanthemums are to be seen and very fine blooms of both Timothy Eaton and Yellow Eaton are still to be had, but Major Bonaffon is still the stand-by for the medium-sized blooms in yellow, and large quantities of this popular variety have been on the market all the week and can be obtained in all the different grades. Pompons in all the shades are having a good call and very beautiful sprays of the yellows and bronzes are to be found at all the stores. Roses are of extra fine quality but the greater percentage of the stock coming in is of the better grades and a shortage of short-stemmed flowers is noted everywhere. American Beauties, Killarneys white and pink, My Maryland, Richmond and Mrs. Jardine are to be had but it looks at this writing that there would hardly be enough to fill all the orders for the stock that is coming in is being shipped out as fast as it arrives and the market cleaned up remarkably close at the end of last week so there is no surplus to draw upon. Carnations are short of the call and there is really a scarcity of all grades and the price has been advancing

from day to day. The blooms that are coming into the stores are of good quality and the demand has been above the supply for the last few days so all the stock is freshly picked. Violets are scarce; the immense call in the East has prevented many shipments from that quarter and the home-grown stock is not nearly enough to fill the orders and the prices are climbing. Sweet peas are of very fine quality and both white and pink are having good sale at good prices. Marguerites, Paper White narcissus and stevia have become standard offerings and a great help to fill the cheaper orders. The green market is plentifully supplied with splendid stock of all kinds. The holiday pot plants have made their appearance in the stores and some very fine plants of begonia Gloire de Lorraine and cyclamen are being shown at the retail stores.

NOTES.

Anton Then of 2219 Winnemac avenue has been confined to the house with a severe cold and is under the care of a physician. A visit which was made to his greenhouses this week found the stock in splendid condition; 15,000 plants of poinsettia were a grand sight and the Christmas peppers, Jerusalem cherries and cyclamen were in fine shape. The two seedling carnations, No. 291 scarlet, a cross of Nelson and White Lawson with Lawson habit and Nelson stem, and No. 41 white, a cross of Lady Bountiful and Enchantress, were in elegant shape. These two are both good growers with fine stems and never split their calyxes.

The Chicago Pump Co., 1061 Fulton street, have invented and placed on the market a condensation pump used for pumping steam heating returns into the boilers, which at the same time creates an intermittent vacuum on the

heating system which draws hot steam through it, thereby saving, as they claim, 20 to 50 per cent of coal. It operates automatically and requires no attention. A bulletin which fully describes the system has been issued and will be mailed to anyone on request.

Wiator Bros. are cutting an exceptionally good grade of roses, with American Beauties and Killarneys showing up remarkably well. Chrysanthemums are also arriving in splendid condition and some magnificent blooms of Nagoya were very noticeable. This firm expected that their cut in chrysanthemums the present week would be in the neighborhood of 12,000 blooms.

The high-grade stock that enabled the Poehlmann Bros. Co. to secure so many awards at the fall shows could be seen at the store this week, where it arrived in large shipments for the cut at the greenhouse is exceptionally good for the season. The lily of the valley, of which this concern makes quite a specialty, is of the finest quality.

Working for the home beautiful the Chicago Woman's Club has organized a class in landscape gardening. On November 14 Jens Jensen addressed the club on "Study of the Relation of the Lot to the Street, Home Planting, etc." Papers and talks will be delivered each month by the following: W. A. Peterson, John Higgins, O. C. Simonds, W. N. Rudd and Mrs. Annette McCrea.

At Vaughan & Sperry's we noticed an exceptionally good grade of roses, with white and pink Killarneys and American Beauties showing up remarkably well. A good crop of roses is now coming on, which will give them a large quantity for the holiday trade. A shipment of boxwood was received November 21.

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Extra long specials		\$5 00
36 inch.		4 00
30 inch.		3 00
24 inch.		2 50
18 inch.		2 00
15 inch.		1 50
Shorter...per 100, \$4 00, \$6 00, \$8 00		
		Per 100
Killarney, fancy.....		\$10 00
Long.....		8 00
Medium.....		6 00
Short.....		3 00 to 4 00
Cardinal, fancy.....		10 00
Long.....		8 00
Medium.....		6 00
Short.....		3 00 to 4 00

Extra Special Roses charged accordingly.

		Per 100
Richmond, fancy.....		\$10 00
Long.....		8 00
Medium.....		6 00
Short.....		\$3 00 to 4 00
My Maryland, fancy.....		10 00
Long.....		8 00
Medium.....		6 00
Short.....		3 00 to 4 00
White Killarney, fancy.....		10 00
Long.....		8 00
Medium.....		6 00
Short.....		3 00 to 4 00
Perle, long.....		8 00
Medium.....		4 00 to 6 00
Short.....		2 00 to 3 00
Carnations, fancy.....		3 00 to 4 00
common.....		2 00

Subject to change without notice.

Chrysanthemums, large, White and Yellow, per doz., \$3 00-\$4 00; Medium White and Yellow, per doz.....\$1 50, \$2 00, \$2 50 Pompons, yellow, white, pink.....50c bunch Orchids, Cattleyas.....per doz., \$9 00 to \$12 50	Per 100
Harrisii Lilies.....	\$12 00
Valley.....	\$3 00 to 5 00
Violets.....	1 50
Sweet Peas.....	1 00 to 1 50
Plumous Sprays, Sprenger.....	2 00 to 3 00
Plumous Strings, extra long, .....per string, 60c	
Smilax, per dozen, \$1 50 to \$2 00	
Galax.....per 1000, 1 00	
Ferns, fine, com.....	1 50
Boxwood.....per bunch, 35	
Adiantum Croweanum.....	75 to 1 00

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

The Chicago Rose Co. have about completed the remodeling of their store, which now presents a very pleasing appearance. A partition will divide the wire-working from the cut flower department and when completed will give them plenty of room in each to handle the business of the coming season.

Bassett & Washburn have still a fine lot of their large chrysanthemum blooms, for which they are filling a large number of orders. Business is very good and their prize-winning American Beauty roses and carnations are appreciated by their trade, who report their receipt in fine condition.

Notwithstanding the scarcity of violets, H. Van Gelder of Percy Jones' is receiving large shipments from his growers of the New York double violets which are arriving in splendid condition and are of as good a grade if not the best to be seen anywhere on the market.

Among the high-grade stock which the J. B. Deamud Co. is shipping to its customers, particularly noticeable were the superb blooms of W. H. Chadwick and Golden Chadwick chrysanthemums which were as finely grown as is often seen away from the exhibitions.

E. B. Washburn and wife witnessed the Maroon-Wisconsin football game at Madison-November 19. Mr. Washburn was no doubt pleased over the victory of the Badgers as he was a former student at the Wisconsin university, graduating a few years ago.

Roses are arriving in splendid condition at J. A. Budlong's, and an exceptionally good grade of American Beauties and Marylands were seen this week. This firm is filling a large number of orders for fragrant home-grown violets.

The Geo. Wittbold Co., 737 Buckingham place, is receiving a large number of orders for Dracena Fragrans, Kentias, Poinsettias, Primulas and Lantanas. A complete price list of decorative stock has been issued and will be mailed to anyone on request.

The illness of J. P. Risch still keeps him away from the store, where he is greatly missed by the trade. The Killarney and Richmond roses now being received from the Weiland & Risch greenhouses are of extra fine quality.

Hoerber Bros. are receiving an exceptionally good grade of stock from their greenhouses among which their White and Pink Killarneys and Brides

show up remarkably well and rival any seen in the market.

Peter Reinberg returned November 19 from Duquoin, where he spent the past week hunting. This firm is now cutting an exceptionally good grade of Richmond and other leading varieties of roses.

Joseph Mendel, West Eighteenth street, who was elected county commissioner at the recent election, will enter upon his duties December 5.

The Chicago Carnation Co. is enjoying a very brisk business and the stock that is received daily at the store is disposed of at an early hour.

Kennicott Bros. Co. is receiving an excellent grade of Major Bonaffon chrysanthemums that are bringing good prices.

At Chas. W. McKellar's we noticed an exceptionally good grade of orchids in all the seasonable varieties.

Zech & Mann filled a large number of orders for white and pink Killarney roses the past week.

John Kruchten is receiving an exceptionally good grade of Maud Dean chrysanthemums.

Visitors: H. M. Burt, Jackson, Mich.; Ed. Amerpohl, Janesville, Wis.; A. Siegel, St. Louis, Mo.; C. Rice of Rice Bros., Minneapolis, Minn.

Chicago Bowling,

Some very interesting games were played at Bensinger's alleys, 118 East Monroe street, November 16, when the Florists' Club Bowling League resumed playing after two weeks' intermission. Allie Zech leads the individual average list, with A. Fischer second and T. C. Yarnall third. The following table shows the numbers of games won and lost by each team to date:

Won. Lost.		Won. Lost.	
Orchids.....15	6	Roses.....9	12
Carnations.....10	11	Violets.....8	13

The following table shows the individual and team scores for games played November 16:

Roses		Orchids	
Wolf.....140	163 152	Huebner.....119	187 127
Johnson.....140	124 179	Farley.....168	177 176
Byers.....109	154 113	Graff.....172	131 188
Kruchten.....159	144 183	Lailey.....148	165 147
Fischer.....165	220 183	Poster.....135	131 172

Totals.....713 805 760		Totals.....742 791 810	
Carnations		Violets	
Ayers.....178	140 142	Vaughan.....151	151 176
Krauss.....145	144 129	Lieberman.....144	138 176
Goerisch.....164	143 128	Schiller.....183	94 145
Schultz.....147	154 134	Lorman.....170	128 119
A. Zech.....129	147 176	Yarnall.....113	152 164

Totals.....763 728 769		Totals.....711 663 750	
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Aphine
The Insecticide that
kills plant Lice
of every species

CANADIAN FLORISTS

Messrs. Hall & Robinson, of Montreal, state:—

"Aphine is superior and much cheaper than any other insecticide we have ever used."

Messrs. P. McKenna & Sons, of Montreal, say:—

"We use Aphine in preference to any other insecticide. One advantage being that it is free from the disagreeable odors of tobacco products."

Aphine is sold by

Dupuy & Ferguson,
Montreal, Quebec.

Thomas A. Ivy & Sons, Ltd.,
Port Dover, Ontario.

MANUFACTURED BY

Aphine Manufacturing Co.
MADISON, N. J.

St. Louis.

All kinds of stock were scarce at the end of the week and Saturday and Sunday were like Christmas. Carnations jumped to four and five cents—in some instances to six. Roses, violets and even chrysanthemums stiffened in price. The outlook for Thanksgiving, however, is, with bright weather, there will be enough flowers to go around. Perhaps the growers are holding back; if so, they will undoubtedly be the losers.

NOTES.

The chrysanthemum show at Shaw Garden is drawing well. Five hundred varieties are shown and over 2,000 plants. Some of the plants have as many as 2,000 blossoms on them; one of these, the Anna, has white blossoms with yellow center.

We Offer Daily our Prize Winning Roses and Carnations

Pronounced by judges at the **Chicago Flower Show** as **exceptionally good** we securing **19 Awards**. Stock exhibited was taken from our **regular cuts** and as such we are able to supply customers with the **selfsame stock** which in turn will surely satisfy your customers. Heavy supply of

Beauties, Maryland, Jardine, Richmond, Pink and White Killarney, Field, Kaiserin, Maid and Bride. They are sure to give satisfaction. None better in the market.

Carnations. All the leading varieties. You will find them to be larged sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the **New York or Hudson River Violets**, but owing to length of time requiring for these to reach Chicago, we can only fill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock.



We
Strive
To
Please.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Plenty of
Stock to
Meet all
Needs.

Fred Ammann will now have a retail market for his fine stock. The stores at Edwardsville, Alton and East St. Louis will use a goodly portion.

M. M. Ayers has a splendid show of cut flowers. Some of the finest Richmonds and Killarneys were seen here.

At H. G. Berning's, a great assortment of fine chrysanthemums were on hand and sold well.

The Riessen Floral Co. have very large advance orders for Thanksgiving.

W. C. Smith Wholesale Floral Co. is headquarters for California violets. Geo. Waldbart has a splendid show of plants and cut blooms.

John Barnard is with Grimm & Gortly.

Cleveland.

CLOUDY WEATHER.

Nearly two weeks without the least sign of a ray of sunshine has had its effect upon the market. Stock of all kinds is decidedly short. Violets have been very scarce, as these flowers need plenty of sunshine, and carnations also are coming in in lesser quantities from day to day. Roses of all kinds are short of the demand, particularly in the shorter stemmed stock, which is used for funeral work. American Beauties had a good call, both long

and short stem flowers cleaning up nicely. Some good chrysanthemums are arriving. Major Bonaffon, fine White Cloud and Dr. Enguehardt, sweet peas are being received in small quantities, but with a few days of sunshine they should be plentiful. A few white narcissus are on the market. Orders for Christmas supplies are coming in rapidly and help to keep everyone busy.

NOTES.

Frank Friedly gave a chicken dinner at his home on November 15. Those present were F. Griffin, H. Knoble, Guy, Herb and Geo. Bates, C. M. Wagner, Geo. N. Smith, M. Parks, F. Schoen, Chas. Russell and C. Gibson, besides Mr. Friedly's father and two sisters. After this royal feast, to which they one and all did ample justice, a quiet game of cards was enjoyed by all. The occasion was the celebration of the host's birthday and all wished him many happy returns of the day.

We would again respectfully call attention to all the florists of Cleveland and vicinity to the meeting to be held Monday, November 28, at the Cleveland Florists' Club rooms, 2610 Detroit avenue, at 8 p. m., for the purpose of forming a new club and changing the present quarters to a more central location. This meeting is of

great importance to every florist, and every florist ought to make it his business to attend.

The florists from Alliance have challenged the boys from Cleveland for a return bowling match to be played in Alliance some time before December 15 for a \$15 side bet as an inducement to come. Best two out of three games.

Sonny Kuchner spent a few days near Scotland hunting rabbits. He shot enough to make a few square meals, but he is not yet satisfied and says he is going to try again.

John Blechschmid was out on a hunting trip this week, and was quite successful and enjoyed the trip.

C. F. B.

Cincinnati.

BUSINESS GOOD.

The usual depletion of the supply of stock before the holidays is now taking place and a firm demand has caused most lines to clean up daily. Some prices accordingly have advanced slightly since the last writing. In fact as early as Saturday some chrysanthemums which, of course, form the bulk of the market, especially such as Major Bonaffon, sold at about holiday prices. The rush and eagerness of the buyers helped keep these prices up. Still there was noth-

:: :: Thanksgiving Prices :: :: CUT FLOWERS

ROSES, CARNATIONS, CHRYSANTHEMUMS and Other Seasonable Stock.

PRICE LIST

American Beauty	Per doz.
Long stems.....	\$5.00
30 inch stems.....	3.50
24 inch stems.....	3.00
20 inch stems.....	2.50
18 inch stems.....	2.00
15 inch stems.....	1.50
12 inch stems.....	1.00
Short stems.....	.75
Per 100	
Killarney, select.....	\$8.00
Medium.....	4.00

	Per 100
Mrs. Jardine, select.....	8.00
Medium.....	\$3.00 to 4.00
Uncle John, select.....	6.00
Medium.....	3.00 to 4.00
Richmond, select.....	6.00
Medium.....	4.00
White Killarney, select.....	8.00
Medium.....	4.00
ROSES, our selection.....	4.00
Chrysanthemums, per doz.....	1.00 to 3.00

	Per 100
Carnations.....	5.00
Good.....	3.00 to 4.00
Harrisii.....	15.00
Valley.....	2.00 to 4.00
Sprengeri, per bunch.....	50c
Asparagus Plumosus.....	75c
extra quality, per bunch.....	1.50 to \$2.00
Fancy Ferns, per 1000.....	1.50 to \$2.00
All other stock at lowest market rates.	
Prices subject to change without notice.	
No charge for packing.	

WIETOR BROS., 51 Wabash Ave. Chicago
L. D. Phone Randolph 2181.

ing for the buyers to get excited about for there was plenty to go around. When we come to analyze these prices, though they may seem high for this year, they are, however, barely the normal prices of other years. The other leaders among chrysanthemums are Dr. Enguehard, Mrs. Jerome Jones, White Bonnaillon and W. H. Chadwick. Roses, especially pink, are on the short side. American Beauties clean up quickly. Carnations, whether because the growers are holding back or because the plants are naturally off crop and not blooming, are insufficient to meet the demand. Lilium Longiflorum, too, are short in supply. More lily of the valley and violets could have been used. Limited quantities of very fine sweet peas are offered. A sufficiency of green goods of all kinds is on hand to meet every request and the quality is of the best.

NOTES.

Geo. Corbett is sending in some fine W. H. Chadwick chrysanthemums to J. M. McCullough Sons Co. His carnations too are good. The latest improvement at these greenhouses is a shed built entirely of brick.

J. A. Peterson's greenhouses are pretty sights nowadays. Bench after bench of the new Begonia Glory of Cincinnati are just coming into bloom. The effect is one of a solid mass of pink.

The pompons which W. A. Linne-mann of West Price Hill is consigning to C. E. Critchell have been finding favor with the buyers.

Murphyville is as usual right on the job in consigning Major Bonnaillon to Wm. Murphy for Thanksgiving.

Visitors: A. C. Heberling, Georgetown, Ky., and Milton Alexander, representing Lion & Co. of New York.

Following are the bowling scores for record games only and championship averages to date:

	1st	2nd	Average
Al. Sunderbruch.....	211	206	181
Ed. Schumann.....	161	173	162
Al. Horning.....	155	204	162
Wm. Schumann.....	187	122	156
Ed. Witterstaetter.....	145	166	156
Al. Heckman.....	144	146	147
Frank Deller.....	133	127	145
R. C. Witterstaetter.....	118	169	144
Leo Witterstaetter.....	142	142	142
Thomas Jackson.....	132	114	123
Wm. Murphy.....	112	117	120
Ben George.....	114	124	119
Chas. H. Hoffmeister.....	102	170	115
Alec. Ostendorf.....	100	105	108
O. H. Hoffmeister.....	104	86	97
Lawrence Fritz.....	73	83	96
Eddie Bossmeyer.....	89	74	82

H.

Our Carnations Are Superior

That Is Why We Win So Many Prizes at Every Exhibition

AWARDED HIGHEST HONORS

At Chicago, Milwaukee, St. Louis and Minneapolis Flower Shows.

Exhibition blooms for these shows were taken from our regular daily cut, which is the best in the Chicago market, all the same superior quality every day. That is why we please our customers. If you are not acquainted with us, send in a trial order. We guarantee satisfaction. We also have strictly High Grade 'Mums, Roses, Sweet Peas, Valley, Violets, Greens, Etc., at Lowest Market Prices.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

The Development of Sweet Peas.

During the past quarter of a century, floriculture has developed ideals very different from those which guided the work of the older florists. The precision of form and marking which they regarded with so much enthusiasm is no longer considered of paramount importance. Thus, the old show pansy, the show dahlia, the laced pink, the stage carnation, the ranunculus, the show tulip, the gold-laced polyanthus, and the hooded-flowered sweet pea are now seldom seen. Certainly they are not abandoned, for some of them are still lovingly grown by old enthusiasts, though some are in process of being driven out by new-comers, and we see the operation going on under our eyes, especially in the cases of dahlias and sweet peas. It would be a mistake to say that the waved form has entirely displaced the older form of sweet pea. The latter is still largely grown, but not by growers who count in the forward march of things. Visits to the shows of the National Sweet Pea Society are sufficient to demonstrate that the proportion of waved to hooded flowers is as 10 to one. This change has been effected in less than 10 years. At the bicentenary sweet pea show at the Crystal Palace in 1900 there was

not such a thing as a waved sweet pea. Has any flower, we wonder, ever undergone so hasty a metamorphosis? Our present object is to consider the principal color sections into which sweet peas are grouped, with a view to showing the nature of the work that still awaits raisers of new varieties.

The section having, for the moment, the greatest fascination for raisers, is the so-called yellow and buff section, represented by Clara Curtis, a waved flower of primrose tint; James Grieve, primrose, with an upright standard; Mr. Collier, a hooded flower; and Dora Breadmore, a buff-colored flower. It is the ambition of every raiser to obtain a yellow sweet pea, and in this section we find, at the present moment, the nearest approach to yellow, but it must be admitted that James Grieve, which gives the deepest tone of color, is a long way from being a pure yellow. It is well known that in the sweet pea there is no such thing as yellow sap-color, and this it is which, as it would seem, makes the outlook so hopeless. The primrose tint in all so-called yellow sweet peas is produced by chromoplasts. Now, unless yellow sap-color can be introduced into the constitution of the sweet pea by hybridisation, it will be difficult to in-

We Are Now Cutting an Exceptionally Good Grade of

RICHMOND

and Other Roses

in all the leading varieties, which for quality excel all others to be found in this market. Our

Carnations and Chrysanthemums

Are also arriving in splendid condition, and are bound to give satisfaction. Send in your order, and we will fill it to your satisfaction.

CURRENT PRICE LIST

American Beauties,		Per doz.	Chrysanthemums....\$1 50 to \$3 00 per doz.	
			Per 100	
Extra Long stems.....	\$6 00		Ivory, select.....	\$6 00 to \$8 00
36-inch stems.....	5 00		medium.....	5 00 to 6 00
30-inch stems.....	4 00		Mrs. Marshall Field, select.....	6 00 to 8 00
24-inch stems.....	3 00		medium.....	5 00 to 6 00
20-inch stems.....	2 00		Perle, select.....	6 00 to 8 00
15-inch stems.....	1 50		medium.....	5 00 to 6 00
12-inch stems.....	1 25		Bride select.....	6 00 to 8 00
Short stems.....	\$4 00 to \$8 00 per 100		medium.....	5 00 to 6 00
		Per 100	My Maryland, select.....	6 00 to 8 00
Richmond, select.....	\$6 00 to \$8 00		medium.....	5 00 to 6 00
medium.....	5 00 to 6 00			

ROSES, our selection.....\$4.00 per 100

Peter Reinberg, 35 Randolph St.,
CHICAGO.

tensify or deepen this color. A bolder flower than Clara Curtis, and one possessing rather better substance, should be the aim of raisers working with the material at present available.

In the white-flowered section, the leading flowers are Etta Dyke, waved; Nora Unwin, less waved; and Dorothy Eckford, hooded. There is room for a waved flower of decidedly better substance than Etta Dyke—shall we say larger, of better substance and not quite so crinkled? Nora Unwin does not quite fill the bill. In some respects it is better than Etta Dyke. It never has that excess of crinkling sometimes characteristic of Etta Dyke, which spells confusion in a bunch; but, being of the Unwin type, it can never have the effectiveness of a true Spencer. Possibly a cross between the two would produce a valuable variety.

Amongst pink flowers, Countess Spencer, the forerunner of the Spencer race, has many closely-allied forms. A pale form is Mrs. Hardcastle Sykes and a deeply-colored variety is the apparently unfixable Audrey Crier. Countess Spencer on a cream instead of the original white ground develops into Constance Oliver, Mrs. Henry Bell, Mrs. Hugh Dickson, and a host of other names. There is not much room in this class for further development except to attain fixity, if that is possible, in flowers of the Audrey Crier type, one of the most beautiful forms of sweet pea.

In the orange shades, Helen Lewis, waved; St. George, slightly waved; and Miss Willmott, hooded, are the selections of the Sweet Pea Society. Two or three new-comers will contest with Helen Lewis the proud position of being top in the society's election—Edrom Beauty, fertilized by the N. S. P. S. last year, Earl Spencer, and Nancy Perkin. The two latter are much alike; in fact, there is not room for both. Their color is a rich orange-salmon, which is admired universally; the same color appeared in the old Henry Eckford, but the new-comers

are waved. To make greater confusion in this color class, we have Stirling Stent and Orange King appearing this year, both having gained an award from the R. H. S., whilst Stirling Stent was awarded a silver medal by the N. S. P. S. recently. There is room here for raisers to breed orange-salmon flowers, which will not bleach in the sunshine.

Of rose and carmine flowers, John Ingman and Marjorie Willis represent the best waved forms and Prince of Wales the old type. John Ingman has probably more aliases than any other sweet pea. It is a bold, fine flower, and will be difficult to excel. There does not appear much opportunity for raisers here.



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR

51 Wabash Avenue.

CHICAGO.

In the class of crimson and scarlet varieties, The King, waved; King Edward and Queen Alexandra, both of the old type, are given by the Sweet Pea Society. It is obvious that there is room for new varieties, especially as The King, the largest and representing one of the best types, does not stand strong sunshine well. Several so-called sunproof crimsons are on offer, Dobbie's Sunproof Crimson having been certified by both the R. H. S. and the N. S. P. S., but what is really wanted is a crimson of The King type which is sunproof. This, no doubt, will be attained sooner or later. A really first-class flower of the color of Queen Alexandra is wanted. George Stark was a one time expected to satisfy this need.

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable
stock, such as

'MUMS and CARNATIONS in good supply.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$5 00
30-inch stems.....	4 00
24-inch stems.....	3 00
20-inch stems.....	2 00
15-inch stems.....	1 50
12-inch stems.....	1 25

Richmond, fancy.....	Per 100
select.....	\$8 00 to \$10 00
medium.....	6 00 to 8 00

Killarney, fancy.....	Per 100
select.....	\$8 00 to \$10 00
medium.....	6 00 to 8 00
Bridesmaid, special.....	6 00 to 8 00
medium.....	4 00 to 5 00
Bride, special.....	6 00 to 8 00
medium.....	4 00 to 5 00
My Maryland, select.....	8 00 to 10 00
medium.....	4 00 to 5 00
ROSES our selection.....	4 00
CATTLEYA LABIATA, ..per doz.	\$9 00

Carnations.....	Per 100
Valley.....	3 00 to 4 00
Easter Lilies.....	3 00 to 4 00
Sprengeri.....	12 00 to 15 00
per bunch.....	25c to 35c
Asparagus Plumosus.....	
extra quality per bunch.....	50c
Fancy Ferns, per 1000 ..	1 50 to 2 00
Chrysanthemums.....	per doz., 1 50 to 3 00
Wild Smilax.....	per case, 5 00
Violets.....	1 00 to 2 00

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

The place for lavender color was well filled some years ago by Lady G. Hamilton (hooded), one of the most charming sweet peas ever raised. Now, Mrs. Chas. Foster and Frank Dolby, both waved flowers, take precedence. Mrs. Chas. Foster is an almost perfect sweet pea, but it has been well nigh impossible to obtain a pure stock of it. Masterpiece is a new competitor in this class, and it is said to be fixed.

There is plenty of room for good Spencer blues. It has been pointed out by Professor Bateson, and it is known to most raisers, that, up to the present, the Spencer form will not associate with Lord Nelson or Navy Blue color, nor even with the paler, pure blue represented in Mid Blue. There are blue-waved flowers, Zephyr for example, but that is not a fine large Spencer, nor is it fixed. Kathleen McGowan and Anglian Blue have yet to be tried by the general growers. None of them appears in the N. S. P. S. classification list. It will be interesting to get the combination, which we believe is possible between the true blue in color and the true Spencer in form, and this is a field open to raisers. This season a variety named Mrs. George Charles has been sent out. It gives promise of being a Spencer of Navy Blue color. The first flowers seem easily scorched, but, still, it is promising. What is wanted is a real good Spencer of Lord Nelson color.

Dark Maroon is represented in the classification of the N. S. P. S. by two varieties, both of the old type—Black Knight and Hannah Dale. This indicates that no dark maroon, waved variety has come before the society in its trials that has been fixed enough to obtain the society's approval. Quite a number of darks have been sent out, but growers still wait for one they can depend upon to come true.

Of picotee-edged flowers, Elsie Herbert, white with pink edge, and Mrs. C. W. Breadmore, cream buff with rose edge, are both excellent in their way, and both have big, waved flowers. There is scope in this class for numerous new combinations. Striped, fancy, and bicolor flowers appeal to fewer cultivators, but among these sec-

tions Aurora Spencer, waved cream with rose stripes, and Mrs. Andrew Ireland, waved cream and rose bicolor, are distinct and very beautiful. There is room for fine waved types of good substance in the class represented by Helen Pierce, Prince Olaf, Sybil Eckford, and a few others.

We need hardly remind those who are beginning for the first time to raise new varieties that it is an operation that requires much patience and a considerable extent of ground. All seedlings must be grown on for several years before the possibilities of a cross are exhausted. The most important lesson to enforce is they must all be grown on from single plants, the produce of two plants never being mixed, however similar they may appear. With such work in prospect, raisers will be well advised to think out clearly what they desire to obtain, and, in order to give the necessary attention, it will be best to make but comparatively few and carefully-considered crosses.—Gardeners' Chronicle.

CINCINNATI, O.—Mrs. Christine Wolf, wife of Fred H. Wolf, died at her home on Falke street, Corryville, on November 3, aged 70 years. She was born in Wurtemberg and she and her husband would have soon celebrated their golden wedding anniversary had she lived.

"The Busiest House in Chicago."

Wire your wants for
Thanksgiving to

J. B. DEAMUD CO.,

51 Wabash Ave., L. D. Phone Central 3155 CHICAGO.

California "Wonders."

When the ordinary layman reads in his favorite newspaper of some weird and wonderful productions of the florist it is strange how readily he absorbs all that the reporter serves up to him. The said reporter, intent on a scare-head and a good story, gets hold of a more or less inexperienced member of the trade and twists out of all proportion the particulars given and as these, in the first place, should be taken with the proverbial grain of salt and are often peculiarly lacking in detail beyond the immense proportions of the flowers, plants or fruits referred to, the story by the time it reaches the breakfast table reads like a repetition of a bad dream induced by indigestion. The press of California has been particularly prolific of this kind of "wonders" of late and one is tempted to ask why in the name of common sense florists who ought to know better allow themselves to be misquoted and their plants described in such lurid language as to raise an incredulous smile or a feeling of disgust from those who know of what they read.

It is, however, strange that California horticulturists do not impress upon their visitors some of the things that really are remarkable and interesting rather than send them away with only a story of, say big geran-

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward..... 6.00 per 100; 50.00 per 1000

Ready for delivery December 15th. Satisfaction guaranteed.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Let us tell you what we know about them.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

50-lb. cases

Wild Smilax

50-lb. cases Wild Smilax, \$1.75 per case.

Direct from our shipping point, Pine Apple, Ala. When in need of excellent Wild Smilax, telegraph or write

Henry M. Robinson & Co.
PINE APPLE, ALA.

The above price is only direct from shipping point. Your orders will be filled at a moment's notice. **Satisfaction guaranteed.** If you once try us, you will always buy. To unknown customers, C. O. D. or cash with order.

Philadelphia.

CLEAR COOL WEATHER

The weather is clear and cool, which is conducive to good business; nevertheless there has been some complaint regarding the volume of business during the past week. The horse show in New York has drawn away many of the wealthy class. The aviation meet at Point Breeze has also had a detrimental effect on the business, but all the dealers are pounding along and doing the best they can. There are yet plenty of roses and chrysanthemums but the latter are on the wane. It appears that lilac, daffodils, yellow daisies and sweet peas will soon be plentiful. This is particularly true in reference to sweet peas. Many carnations have failed and peas will be planted in their place. Single violets have been scarce and will continue to be so until after Thanksgiving.

NOTES.

A noteworthy feature of South Eleventh street is the retail store of George Craig. He keeps the best flowers to be obtained in the market and is always busy.

The exhibition of pot chrysanthemums held last week at the Fairmount Park greenhouses was very popular and much appreciated by the public.

At the store of Pennock Bros., during the past week, leading features were their hampers of cut flowers, very artistically arranged.

Wm. J. Baker, the wholesaler of North Penn Square, is again in his store after an extended vacation during the summer months.

Notably fine stock of Richmond roses is now being handled by Eugene Bernheimer, the wholesaler, of 11 South Sixteenth street.

Harry Jones, a skillful designer, formerly with Thos. Young, Jr., New York, has taken a position with J. J. Habermehl's Sons.

The Philadelphia Cut Flower Co. is handling very fine stock of chrysanthemums, lily of the valley, Bride and My Maryland roses.

A feature of Frank Polites' main store at 1418 Chestnut street is his

Wholesale Flower Markets

PHILADELPHIA, Nov. 23.		
Roses, Beauty, extra.....	15 00@25 00	
first.....	8 00@10 00	
Brides and Maids.....	1 00@ 5 00	
Killarney.....	1 00@ 6 00	
White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz.,	2 00@3 00	
Lilium Harrison.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Nov. 23.		
Roses, Beauty, special.....	20 00@25 00	
extra.....	12 00@15 00	
No. 1.....	6 00@ 8 00	
Bride, Bridesmaid.....	1 00@ 6 00	
Chatenay.....	1 00@ 6 00	
Killarney.....	1 00@ 6 00	
My Maryland.....	1 00@ 6 00	
Richmond.....	1 00@ 6 00	
Carnations.....	2 00@ 4 00	
Chrysanthemums.....	3 00@25 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Paper Whites.....	4 00	
Romans.....	3 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprenger, per bunch, 50		
strings.....per string, 50		
sprays.....per bunch, 50		
Smilax.....	15 00	
Cattleyas.....	60 00	

artistic style of making up bouquets on short notice.

Rupert Kienle, 39 South Seventeenth street, is showing very fine features in small ferns for table dishes, which sell fast.

Robert Kift has recently been doing very fine funeral work, noteworthy being his palls or coffin covers.

Pittsburg.

STOCK SCARCE.

The official weather man states that there has been an average of two minutes' sunshine each day in this city for the past two weeks. It is hardly necessary for us to relate the results, sufficient it is to say that prospects for getting enough Thanksgiving stock are about the worst ever. Carnations have advanced to such prices that many will not touch them except when compelled to do so. Violets almost dropped out of sight altogether, with lily of the valley a close second. The supply of chrysanthemums, especially the smaller grades, has shortened up. Lilies move out freely, and Paper Whites clean up in short order.

NOTES.

G. & J. W. Ludwig had the decoration of the Jefferson Lodge F. & A. M. November 9. As this date was also the anniversary of Julius Ludwig, they held some special events in his honor.

Henry Klunders, recently manager of Randolph & McClements' Penn avenue store, left for New York. Edw. Harvey is now in charge.

The McRae-Jenkinson Co. expect to cut a quantity of chrysanthemums until Christmas.

John Walker, Youngstown, and Jos. Thomas, Greensburg, were recent callers.

McCALLUM CO.

We are strong on
Good Beauties
and 'Mums.

Dagger Ferns, \$1.25 per 1000
Fancy Ferns, \$1.50 per 1000

Pittsburg :: Pa.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh St., PITTSBURGH, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Wichita, Kans.

So far November has shown a fair bulk of business, with plenty of stock to handle it. Of course the chrysanthemum is still the heavy item, but it is thus a double blessing—its very presence in such quantity and quality tempts the buyer, and gives the florists plenty of stock to sell and its adaptability covers most all the various phases and needs of the trade. The season still is dry—much too dry for the good of the farmer—but it has given the florist a splendid chance to develop his chrysanthemums to perfection. Also the absence of dull, cloudy, rainy weather has been of much value in putting the carnations and other stock in the greenhouses on a splendid basis for winter production. The week of November 14-20 has seen the heaviest of the chrysanthemum cut, although there will still be ample supplies till the first of December. Violets and sweet peas just coming in, roses off crop so that quite a bit of the stock used is procured from outside sources, but this is true to a less extent with carnations. The usual crop of November weddings at about the usual figure, so far as the florist is concerned, may be recorded. Thanksgiving prospects are about normal, which means

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

a good busy week which helps clean up the last surplus of chrysanthemums, and while the retail florist does not dare to raise prices much, if any, he finds that the wholesale grower has stiffened them up for him and so it goes. Between the grower and final consumer the retailer, as "middleman," gets a little squeeze as his pay for helping the surplus to move—"Vox Populi, etc."

NOTES.

W. H. Culp & Co. had the decorations for the banquet at the fall reunion of Wichita Consistory of 32d degree Masons. This consistory is the largest in the southern jurisdiction and the banquet attendance was about 900. This banquet was followed the next evening by the "Shriners" banquet, with about 750 present. The decorations for this were also furnished by Culp & Co. Quantities of chrysanthemums were used on the tables in each case, besides palms and other decorative plants for the general decoration of the banquet hall. Chas. P. Mueller furnished the decorations for the rest of the building and the large quantities of roses used in the conferring of the Rose Croix degree.

Chas. Mueller handled an elaborate church wedding the middle of the week. When interviewed by the writer Mr. Mueller's usual good humor was showing a slight wear, which he explained by stating that his foreman, George Spear, had "quit his job the Saturday night previous, without notice," and Mr. Mueller's first intimation was an inquiry from the greenhouses Monday regarding the situation. Mr. Mueller further stated that he was unable to get a satisfactory reason for his foreman's action. It does look a little one-sided for the man who furnishes the capital and takes the business risks to have employees act with so small regard to their moral business obligations.

Dugan & Cain, who operated the Fairview Greenhouses, and who purchased the buildings, stock, etc., with the plan of relocating near the cemeteries and later gave up the idea, have lately entered into a partnership with Geo. Bixby on South Water street, and are using the material there in enlarging the Bixby plant. Mr. Bixby is interested in the produce commission trade, and lettuce will form an important part of their production in addition to the usual retail florist's stock.

F. Kuechenmeister is devoting a part of his glass to a "catch crop" of lettuce, with good prospects.

W. I. CHILA.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Nov. 23.		Per 100
Roses, Beauty, best	35 00@50 00	
" medium	20 00@25 00	
" culls	4 00@5 00	
" Bride, Bridesmaid	2 00@6 00	
" Extra	6 00@8 00	
" Killarney and Richmond	4 00@10 00	
" My Maryland	2 00@10 00	
" Carnot	4 00@8 00	
Carnations, select	2 00@4 00	
" fancy	3 00@5 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@35 00	
Gardenias	25 00@35 00	
Lilium Longiflorum	8 00@10 00	
Lily of the Valley	2 00@4 00	
Violets	75 @1 00	
Smilax	12 00@16 00	

ST. LOUIS, Nov. 23.		Per 100
Roses, Beauty, long stems	20 00@30 00	
" medium stems	8 00@10 00	
" short stems	2 00@4 00	
" Bride, Bridesmaid	4 00@8 00	
" Killarney	4 00@8 00	
" My Maryland	4 00@8 00	
" Richmond	6 00@8 00	
Carnations	2 00@4 00	
" fancy	5 00	
Easter Lilies	10 00@12 50	
Adiantum	1 25	
Asparagus Sprengerii	2 00@3 00	
Smilax	12 50@15 00	

CINCINNATI Nov. 23.		Per doz.
Roses, Beauty, per doz.	1 00@3 00	
" Bride, Bridesmaid	2 00@6 00	
" Golden Gate	2 00@6 00	
" Killarney	2 00@6 00	
" Richmond	2 00@6 00	
" Pres. Taft	3 00@8 00	
Carnations	1 00@3 00	
Callas	10 00	
Chrysanthemums	4 00@25 00	
Daisies	50	
Lilium Longiflorum	10 00@12 50	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengerii, per bch.	25	
Smilax	12 50@15 00	

MILWAUKEE, Nov. 23.		Per doz.
Roses, Beauty, per doz.	1 00@5 00	
" Bride Bridesmaid	3 00@8 00	
" Killarney	3 00@10 00	
" Richmond	3 00@10 00	
" Perle	3 00@8 00	
Carnations	3 00@6 00	
Lilium Giganteum, per doz.	2 00	
Lily of the Valley	3 00@4 00	
Mums, fancy, per doz.	2 00@3 00	
" small and medium	6 00@12 50	
" Single and Anemone varieties	25 @50	
Snapdragon	2 00@4 00	
Violets	75 @1 00	
Adiantum	1 50	
Asparagus, per string	50	
" Plumosus, per bunch	35	
" Sprengerii	35	
Ferns, Fancy	per 1000, 1 50	
Galax	per 1000, 1 50	20
Smilax	per doz., 1 75	

CHARLESTON, W. VA.—J. W. Alexander is now very busy doing some landscape work around his new residence which was built this fall. It is three stories high with dance floor on the third floor. He expects to give some dancing parties this winter. Mr. Alexander looks after the greenhouses while his son takes care of the store. Carnations, roses and pot plants are in fine shape. Good business is looked for this fall and winter.

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Wholesale Florist

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All kinds of Florist Supplies

Dagger and Fancy Ferns \$1.00 per 1000. Green and orange Galax, 90c per 1000; by the case \$7.50. Boxwood, 5 lb. case \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14 inch, \$3.00 per doz.; 16 inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

EUGENE, ORE. — Ruth Bros. have opened a flower store in the west half of the room in the Titus block on East Ninth street.

NEW ORLEANS, LA.—The Parking commission of New Orleans has issued a pamphlet with the park ordinances, and a concise statement of the general scheme of tree-planting in the streets and avenues and containing beautiful illustrations of the same.

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NEW YORK

WASHINGTON

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies.

OFFICIAL
S. A. F.**Shipping Labels**

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Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago**New York.****BETTER PRICES.**

With the exception of chrysanthemus, stock has been coming in a little lighter than for some time previous, whether some holding back for Thanksgiving is being practiced or not we are not sure, though it is thought in some quarters that such is the fact. Among the roses there has been received occasionally a superior grade of American Beauties that have touched high prices. Similar conditions have prevailed with Richmonds, Killarneys and Bridesmaids, a few of which, owing to their general excellence of quality, have realized better figures than was possible with the ordinary run of stock. The shorter grades of roses have been in fairly good demand and prices, we believe, will average a little better than they did one week ago. Carnations are not as plentiful and good flowers have been bringing normal prices for the season. Cattleyas are still in a minority, some selling as high as 75c each. No change is apparent in the gardenia supplies; they are coming in daily and prices are stationary. Lilies are not cleaning out well just now. *Lilium Auratum* is coming in in limited quantities but does not sell well. Lily of the valley has been selling fairly well. Sweet peas are becoming more plentiful, while lilac is a regular feature as also is stevia and bouvardia in limited quantities. Owing, perhaps, to the great football game between Yale and Harvard, which occurred Saturday, violets received quite a boost in prices. This, of course, lasted for one day only, but "every little bit helps."

NOTES.

The A. T. Boddington Co., 342 West Fourteenth street, have their 1911 catalogue almost ready. It will be of 144 pages and from a perusal of some of the proof sheets it is quite evident that many novelties are to be offered next season. The strike of the expressmen played havoc with the filling of orders but now everything is running smoothly again.

Henry Conley, an employee of Hoffmiller, retail florist, fell from a ladder while decorating St. Bartholomew's Church on November 15 and sustained rather severe bruises, though fortunately no bones were broken.

Moore, Hentz & Nash have made arrangements to have one hundred cases of mistletoe shipped them from St. Malo, one of the Jersey Isles; this high-grade stock should prove quite an acquisition to their market.

The Greater New York Florists' Association (Geo. W. Crawbuck, manager), Livingston street, Brooklyn, are having a call for certain varieties of roses that seems quite hard to keep up with.

The seed and bulb trade is not so very active just now. Larger sizes of *Lilium giganteum* bulbs are getting cleaned out fairly well. There has been an increased call for Spanish iris noted.

Joseph Levy has succeeded to the wholesale firm of John Seligman Co., 56 West Twenty-sixth street. Mr. Levy has long been a member of the firm but now becomes the sole owner.

Chris. Bonnet, of the firm of Bonnet & Blake, Livingston street, Brooklyn, is away on his last fishing trip of the season. He is after cod in the deep blue sea.

J. J. Perkins, one of the old-time wholesale florists, will move on December 1 from 115 West Thirtieth street to 117 West Twenty-eighth street.

John I. Raynor, now retired but formerly the well-known wholesale florist, paid a visit to the "district" recently.

W. H. Kuebler, wholesale florist, Wiloughby street, Brooklyn, is handling a very heavy supply of chrysanthemums.

The Kervan Co., 113 West Twenty-eighth street, received a shipment of holly this week.

J. D. Cockroft, carnation grower, Northport, L. I., was in town this week.

Friday evening, November 18, the following scores were made by the New York Florists' Bowling Club:

J. B. Nugent.....	94	96	98	116
J. A. Shaw.....	163	146	143	167
R. Berry.....	148	129	137	198
P. J. Smith.....	143	145	147	119

A match between the New Yorkers and the Astoria team is contemplated for December 1, to be played on the alleys of the latter mentioned team.

Baltimore.**BUSINESS ACTIVE.**

With the exception of a few days of extreme high winds the weather is delightful, the very acme of autumnal crispness and beauty; the air redolent with the soft fragrance of the ripened foliage, the sun bright and inspiring and, there being so far few of the characteristic and gloomy fogs which make November so austere and uncomfortable. The social season has begun and a great variety of entertainments, private or semi-public, have been happening before the great events of the periodical Germans and cotillions which are such important features in polite society. There have been some beautiful weddings, one on so important a scale that a private chapel was constructed to accommodate the guests. All this meant business for the florists and the past week was one of no inconsiderable activity. Everyone seemed to have a share and it is hoped there will be no let-up in the demands. Flowers were fairly abundant. Of chrysanthemums there were, some days, too many; violets the same, roses about equalled requirements, and carnations were hardly sufficient to supply current needs. Lily of the valley and *Lilium Harrisii* are moderately supplied. The plant trade is about up to its average, and the market men begin to find the mornings a little frosty for the exposure outside of their more tender stock.

NOTES.

The meeting at the Florists' Exchange, to which were invited the growers of the area which it covers, was not productive, apparently, of palpable results. Some interesting talk was indulged in, a variety of experiences given, but little headway was gained in the main issue. The question really is whether the shippers to the Exchange ought not to obligate themselves to send their entire output, instead of selling it all at certain times, or part of it all the time, direct to the retailers. The manager of the Exchange complains, and with apparent justice, that unless he can be sure of the regular receipt each day of the product of each grower he cannot enter into contracts to supply

Charles Weiss & Sons

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Telephone 1202 Madison Square

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Consignments Solicited.**JOSEPH J. LEVY**

(Successor to John Seligman & Co.)

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56 West 28th Street, New York

flowers to his regular, or would-be regular customers, to say nothing of expanding his market. Many growers, on the other hand, do not like to forego the advantage of making such sales as they can to the people who come direct to their greenhouses. What they sell in this way is certain, whereas in cases of gluts a portion may be lost of that sent to the Exchange; and, then, too, the commission is saved! Whether, in the long run, the advantages of regular and full shipments to one commission house would not be better for all, both buyers and sellers, is the question at issue. John J. Perry, the manager of the Exchange, made a very fair and frank statement of the position from his standpoint, and invited criticisms of the conduct of the business, but there were, practically, none. Mr. Perry has broadened the scope and widened the market of the Exchange, but he finds his efforts cramped by the indisposition of the growers to strengthen his hands by consignments to the house of regular products on which he can rely, so as to meet the needs of buyers. The Exchange is not in a situation to refuse, as some commission houses in other cities do, to take partial consignments from growers, their rule being "all or none." But the Exchange, being a joint-stock and mutual concern, the establishment of which was largely designed for the advantage of the growers, they themselves as owners fix the policy which it follows. Just how the problem may be settled is as yet problematical. In the meantime the business being done, even with the drawback named, is constantly expanding.

A good deal of building has been done during the summer and fall and as a rule everything is pretty well secured and nearing completion. The enterprising company of Richard Vincent Jr. & Sons, at White Marsh, is adding two more large houses to its already very extensive plant, which it will dedicate to their ever-expanding stock of geraniums; James Hamilton, at Mount Washington, has added one more to his numerous rose houses; Harry Ekas, of the Frederick road, has enlarged his borders and capacity, all of which indicates that confidence prevails as to the future of the gardeners' business in this latitude.

Stevenson Bros., of Govans, had ill luck with their Manetti stock this year, and about only half of their grafts took, but the Killarneys which succeeded are wonders of health and growth.

S. B.

Young & Nugent,

Telephone 2065-2066 Madison Square
42 West 28th Street,
 To out-of-town Florists
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We can
Please you.

Roses, Carnations and all kinds of
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BUFFALO N. Y.
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Consignments Solicited.

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Wholesale Flower Markets

NEW YORK, Nov. 23.	
Roses, Beauty, special.....	15 00@30 00
" " extra and fancy....	5 00@10 00
" " No. 1 and No. 2....	3 00@4 00
" " Bride, Bridesmaid, special.	4 00@8 00
" " extra and fancy.....	3 00@4 00
" " No. 1 and No. 2.....	2 00@3 00
" " Killarney, special.....	4 00@8 00
" " extra and fancy.....	3 00@4 00
" " No. 1 and No. 2.....	2 00@3 00
Carnations.....	2 00@5 00
Chrysanthemums.....per doz.,	75@3 00
Cattleyas.....	40 00@75 00
Gardenias.....per doz.,	75@4 00
Lilium Longiflorum.....	4 00@6 00
Lily of the Valley.....	2 00@4 00
Narcissus P. Wht.....	2 50@3 00
Sweet Peas.....per doz. bchs.,	60@75
Violets.....	50@1 00

BUFFALO, Nov. 23.	
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	8 00@10 00
" " No. 2.....	4 00
" " Bride, Maid, Killarney....	3 00@8 00
" " Kaiserin.....	4 00@8 00
" " Pres. Carnot.....	4 00@8 00
" " White Killarney.....	4 00@8 00
Carnations.....	2 00@3 00
Chrysanthemums.....	6 00@20 00
Pompons, per bunch, 25@	35
Callas.....	10 00@12 00
Lilium Longiflorum.....	10 00@12 00
Lilium Speciosum.....	3 00@4 00
Lily of the Valley.....	3 00@4 00
Mignonette.....	3 00@4 00
Narcissus Paper Whites.....	2 00@3 00
Snappdragons.....	3 00@5 00
Stevia.....	1 00@1 25
Sweet Peas.....	50@75
Violets.....	60@75
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch, 35@	50
Asparagus Sprengerii.. 35@	50
Asparagus Str.....	50@60
Ferns.....per 1000, \$1 50	
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

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**DECORATIVE
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EVERGREEN THE
QUICKEST
SHIPPER

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Ferns, Bronze and
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Princess Pine, Etc.

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Now ready for shipment.

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Natural Sheet **MOSSES**

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Can fill all orders, large or small, promptly,
on receipt of same.

Give us a trial. We know we can please you.

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From the House That Cuts Prices on Best Quality Stock

Violet and Green Tin Foil, best quality .17c per lb.
Plain Foil 9c per lb.
Imported Magnolia Leaves.....\$2.00 per hamper
Boxwood Sprays, very best quality....15c per lb.

Best quality Wild Smilax\$6.00 per 50-lb. case

Immortelles 14c per bunch
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It will pay you to buy from us, as you will save money on every article you buy.

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New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money
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Galax, Ferns and Leucothoe

Per 1000
Green and Bronze Galax,.... \$0.50 or \$4.00 per case of 10 000
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Long Green Leucothoe Sp'ys 2.00 or 3.50 per case of 2000
Short 1.00 or 4.00 per case of 5001
Long Bronze Leucothoe Sprays, per 1'00..... \$2.50
Short per 1000..... 1.50

Terms Cash

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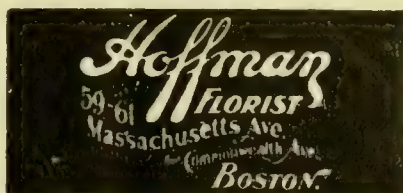
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Atlanta Floral Co.

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1725 Chestnut St.

Personal Attention to all Orders.

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**WILLIAM L. ROCK,
Flower Co.,**Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

Albany, N. Y.

EYRES,**Flowers or Design Work.**Delivered in Albany and Vicinity on
Telegraphic Order.

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Hess & Swoboda**FLORISTS,**

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TELEPHONES
1801 and L 1583

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Matthews,**—FLORIST—**

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Flowers in any arrangement for all occasions,
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THE J. M. GASSER COMPANY,

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Euclid Avenue

We Cover All Points in Ohio

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GRAND RAPIDS FLORAL CO.ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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319 MAIN PHONE.
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All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

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John G. Heintz & Son,
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Telephone 247.
We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Order your flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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Kansas City and Flowers, Funeral Designs,
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that may be entrusted to them

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Write, Wire or Phone Your Orders to

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1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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JACOB SCHULZ,

550 So. Fourth Avenue.

International
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Incorporated, \$50,000.00.

1328 Broadway,
NEW YORK.

Organized for prompt and efficient service to all parts of the civilized world.

TRANSACTS BUSINESS for MEMBERS ONLY

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Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Brettmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, 907 Pacific Ave., Tacoma, Wash.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J. Philadelphia.
Heintz & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, Florist, Boston.
Holm & Olson, St. Paul, Minn.
International Floral Assn., New York.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L. St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York; Cor. 14th and G Sts., Washington, D. C.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Stahl, B., Philadelphia.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wittbold Co., Geo., 737 Buckingham Pl., Chicago.
Wolfskill Bros., 216 W. 4th St., Los Angeles, Calif.
Young's, 1406 Olive St., St. Louis, Mo.

Boston, Mass.



"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

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Established 1849

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Telephones: 1552-1553 Columbus. Choice Cut Flowers
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Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

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138-140 E. Fourth St.

Long Distance Phone.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

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Anderson, S. C.

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Orders will be carefully
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Wholesale and Retail Florist of GRAND RAPIDS

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

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Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



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D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

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Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
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FLORISTS.

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Established 1874.

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N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

City Index to Retail Florists
Filling Telegraph Orders.

Albany, N. Y., Eyres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
Boston—Penn. the florist, 43 Bromfield St.
Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julian Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Indianapolis—Berterman Bros. Co., 241 Mass. Av.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg Flower and Plant Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
New York—David Clark's Sons, 2139 Broadway.
New York—Dards, 44th and Madison Ave.
New York—International Floral Assn.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Philadelphia—B. Stahl.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.
Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H. Sts.
Washington—Geo. H. Cooke, Conn. Ave. and I.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Western Union Code.

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304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty.

216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin.**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Association of Official Seed Analysts.

At the third annual meeting of the Association of Official Seed Analysts, held at the Shoreham hotel, Washington, D. C., November 14-15, 1910, a number of papers from the different state laboratories, also from the seed laboratory of the Department of Agriculture, were read. These papers contained much valuable and interesting information on the value of hard seeds in alfalfa and clover, the germination of the umbelliferae and forage plant seeds and the essentials of agricultural seed analysts. In view of this fact a resolution was adopted to present to the secretary of agriculture the importance of having these papers published in the form of a bulletin as a publication of the department. It was also recommended that a circular be issued at the earliest possible date on the desirability of uniform methods in the making of purity tests and that this also be published by the department. This was considered very necessary so that all laboratories could use the same methods and avoid the wide differences as to purity when the same sample is tested at different laboratories. Much also depends on the taking of the sample which should likewise be done in a uniform manner to insure the most accurate results. The methods of germination are so varied and so many different conditions are to be contended with that it was considered best to have tests made and report of these tests read at the next meeting. A resolution was adopted in favor of the appointment of three referees to investigate and report on the following, the main object being to secure uniformity:

- (1) The taking of the sample.
- (2) The methods of germination.
- (3) The determination of purity.

Another important matter taken up was the appointment of a committee to investigate what could be done in the matter of restricting the importation of low grade seeds from Europe, which is done to quite a considerable extent.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Experts Can Not Agree On Seed Tests.

Herewith please find a comparative statement of five separate tests made by five different testing stations, of a sample representing a uniform and carefully made lot of Canadian blue grass. If you wish to do so, you may publish this statement. Our object in sending you this statement is to show the impossibility of making uniform tests, and we should like to have it distinctly understood that it has not been made up with intent to criticize, or to reflect in any way on the seed analyst, or seed testing station, and we take it for granted that these tests have been made as carefully as it is possible to make them.

HENRY NUNGESSER & Co.

REPORT ON SAMPLE OF CANADIAN BLUE GRASS FROM FIVE DIFFERENT TESTING STATIONS.

	A.	B.	C.	D.	E.
PURE SEED.....	79.96%	76.95%	80%	90%	80.70%
INERT MATTER.....	13.96%	15.88%	14%	6.88%	12.30%
FOREIGN SEED.....	6.08%	7.17%	6%	3.12%	7%

APPROXIMATE NUMBER AND PERCENTAGE OF FOREIGN SEEDS PER POUND.

	No.	%	No.	%	No.	%	
Mouse-ear Chickweed	8550	...	11250	...	7200	...	*Present
Cinquefoil	7650	...	9000	...	5400	...	
Five Finger	3600	...		...		...
Canada Thistle	1800	...		...		...	180
Sedge	1800	...	900	...	1800	...	Present
Sorrel	1350	...	2250	...		...	Present
Scirpus Sp.	900	...		...		...
Plantain	900	...		...		...
Witch Grass	900	...		...		...
Yellow Trefoil	450	...		...	900	...	
Dandelion	450	...		...		...
Small-seeded False		...		...		...
Flax	450	...	3150	...		...
Curled Dock	450	...		...	450	...	
Shepherd's Purse	450	...		...		...	Present
Corn Speedwell	450	...	450	...		...
Mayweed		...	1350	...		...
Rose family		...	2700	...		...
Horsemint		...	450	...		...
Spring Row Thistle		...	450	...		...
Goose-foot		...	450	...		...
Canada Cinquefoil		...		...	2700	...	
Dog-fennel		...		...	2250	...	
Sheep Sorrel		...		...	1350	...	
Wormseed Mustard		...		...	900	...	
Annual Row Thistle		...	450	...		...
Oxtongue		...		...		...	Present
Potentilla		...		...		...	Present
Cress		...		...		...	Present
	30150		32850		22950		

Kentucky Blue	0.73	...	2.54	...	2	Present	Present
Alsike Clover	22500	...		...			Present
White Clover	1350	...		...			Present
Red Clover	1350	...		...
Agrostis	450	...	4500	...	4500	...	
Timothy		...	3.53	...	3	Present	Present
	25650	0.73	4500	6.07	4500	5	

*The word Present indicates that the seed against which it is written was found, but that there was no quantity stated.

The general discussion on methods and apparatus for seed testing was not a very animated one, all present apparently agreeing as to the general methods and apparatus in use, except as to germination, where there seemed to be a diversity of opinion. This was not considered important as the methods of germination tests are open to

question. The discussion on seed legislation was eliminated at this meeting.

Prof. Christie, of Indiana, gave a very interesting talk on seed conditions in that state, which stands at the head of the list in acreage of clover seed and also in the number of farms producing clover seed. A law was framed and introduced to govern the control of small seeds in the state. When brought to an issue, however,

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



**REAL BARGAINS**

Per 100 lbs. Per 100 lbs.
 White Kaffir Corn, \$1.50 Yellow Bird Millet, \$1.75
 Fancy Hemp Seed, 2.75 Bird Vetches, 2.25
 Sicily Canary Seed, 2.62 Red Bird Millet, 2.25
 German Bird Rape, 3.50 Canada Field Peas, \$1.50 per bushel.
 Terms: 1 per cent 10 days, 6' days net. All in original bags weighing 250 lbs., which are weighed in. **J. BOLGIANO & SON**, Importers and Wholesalers, Baltimore, Md. Established for 92 years.
 Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers.

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

it was found that the people were so ignorant particularly as to the different weed seeds that the law was withdrawn. The seedsmen did not object seriously to the passage of such a law.

The agricultural college at Lafayette inaugurated a plan whereby the farmers are trained so as to be able to recognize the most common weed seeds. They are given a week's course in the college on this subject under direct supervision of the Experiment Station staff. The school teachers are also given a similar course, covering two days, along the same lines and thus the children receive the advantage of this training.

The discussion then turned on the cotton seed diseases and the smut of grains was touched upon.

The time and place of next meeting has not been arranged.

HARRISBURG, PA.—The Holmes Seed Co. sustained heavy loss by fire November 21.

VISITED MINNEAPOLIS: Lester L. Morse, San Francisco, Calif., and A. Emerick, of Vilmorin-Andrieux & Co., Paris, France.

CHICAGO.—Prices on the board of trade November 23 for grass seed were noted as follows: Timothy, \$8.25 to \$9.50 per 100 pounds. White clover, from \$22 to \$28.

VISITED CHICAGO: J. B. Agnew, of the Pacific Seed Growers' Co., Agnew, Calif., returning from the east and H. A. Johns, of the Sioux City Seed & Nursery Co., Sioux City, Ia.

Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for December delivery
 In case of 1000 pips, \$9.00 per 1000
 In case of 3,000 pips, 8.00 per 1000

J. M. THORBURN & CO., 33 Barclay St., NEW YORK.
 Mention the American Florist when writing

Lilies of the Valley

Brun's Celebrated

Chicago Market Brand

Finest Valley for Xmas Forcing.

\$15.00 per 1000. \$1.75 per 100.

(Cold Storage Valley sold out.)

H. N. BRUNS,

3040 Madison St., CHICAGO.

Mention the American Florist when writing

MANN'S

Lilly of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

Mention the American Florist when writing

Calla Elliottiana..

Largest size, \$20.00 per 100

2nd size, 15.00 per 100

The Leedham Bulb Company, Santa Cruz, Calif.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

If you knew what we know about **Horseshoe Brand** Japan Bulbs, we would not do this advertising, for you would buy them without it.

If you knew about the quality of seed-bulbs we plant; how they are planted; about the skilful cultivating and fertilizing, and the careful harvesting and assorting, you would wonder why we take so much pains at such expense.

But when you analyze it you will see. These bulbs cost more than most brands, of course, but not more than they are worth. They average so many more flowers per thousand than common bulbs, that they are, after all, the most economical to buy.

The principal reason is because we plant our seed-bulbs deep down in the soil. By this method of planting the bulb usually takes a year longer to mature and more fertilizer, but the quality is so much superior to the common "flat-head" that it more than makes up for the difference in the cost of growing.

Up to the present time we know of no Lily Bulbs equal to our Superior Assortment of **Horseshoe Brand** Giganteum.

Prices upon application.



**Ralph M. Ward
& Company**

"Not How Cheap—
But How Good."

12 WEST BROADWAY,

NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

TAMPICO, MEX., Nov. 4.—It is estimated that more than 300 carloads of tomatoes will be shipped from the Tampico region to the United States during the last six weeks of this year. The crop will begin to move about November 15, and will continue to be marketed until the early part of the coming year. In the localities where American colonies are located the acreage in tomatoes this year is large. This is particularly true of San Dieguito, San Luis Potosi.

Prices of Indoor Fruits and Vegetables.

Chicago, November 21.—Mushrooms, 25 cents to 35 cents per pound; cucumbers, \$1 to \$2 per dozen; tomatoes, \$1.10 to \$1.65 per basket of 10 pounds; radishes, 25 cents to 40 cents per dozen bunches.

New York, November 19.—Mushrooms, 50 cents per pound; cucumbers, 15 cents each; lettuce, \$1.25 per dozen heads; tomatoes, 20 cents per pound; radishes, 50 cents per dozen bunches; asparagus, \$7 per dozen bunches; grapes, Gros Colman, \$1 per pound.

Little-Known Salads.

Many who travel abroad, said W. F. Giles, in a lecture before the National Amateur Gardeners' Association in London, on Tuesday, October 4, enjoy the great variety of salads, and enquire if they cannot grow them in their gardens at home. In this matter we were much behind the Continent, where the intensive system of culture enabled more salads to be grown, especially in winter. There were gardeners abroad entirely engaged in forcing tender salad plants in winter, and the high prices they obtained had directed a great deal of attention to French gardening in this country. He did not think that intensive culture was to be relied on to produce a certain profit in England, except when top prices were obtainable, but by the aid of cloches, frames, and hotbeds there was a good deal to be done in private gardens as an interesting pursuit and a means of obtaining fresh salads all the year round. The gentle warmth of the hotbed, combined with much watering, produced the quality of tenderness. Several plants used in Continental salads were very wholesome and pleasant, but were little known in England; also many ordinary vegetables, such as broccoli, cabbage, and potatoes were dressed with oil and served as salads. In fact, the Continental idea of a salad was different from ours and it had been said that there was nothing green and tender that the frugal people of France and Italy could not convert into a salad.

Mr. Giles did not advocate the use of all the plants favored on the Continent for this purpose, but he described several of them with the aid of lantern pictures, and picked out a few that could be grown in England as well as elsewhere, making a welcome addition to the salad bowl and easily cultivated at all seasons. Notable among these was chicory, which was very useful and exceedingly easy to grow. A

special variety was produced in Brussels, which was the great centre for growing this plant. The familiar dandelion, too, was much used as a salad in France, and was generally gathered in the fields until its importance on the market made its cultivation worth while. It was now greatly improved, and through the process of blanching it lost so much of its bitterness that in a salad one scarcely knew that one was eating dandelion. The Florence fennel, which was highly prized at Naples, resembled celery, but was sweeter and very tender, with a slight flavor of aniseed. This plant was used in the manufacture of some kind of liquors. The mache or corn salad was to be had from October all through the winter, and was wholesome and delicious. Requiring little attention it was very suitable for cultivation in this country.

American cress was also to be recommended. It was grown on land and, though like watercress, was more pungent. The turnip-rooted celery, largely grown in France and Germany, could be eaten raw or variously cooked. Chives, which belonged to the same family as onions, but were milder, and mountain spinach, which was to be had in white and red varieties, merited attention, and the Chinese winter radish, white, black, and red, was a very useful introduction. Many plants were available to diversify the British salad, and in order to obtain full advantage from them it was necessary to mix them with a good deal of discrimination, so that the flavor would harmonize and none unduly predominate. John Evelyn had said that the various tastes in a salad should fall into their places like notes of music, so that there would be nothing harsh or grating.—*Journal of Horticulture.*



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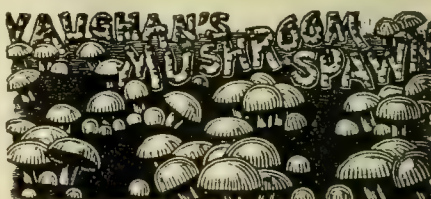
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VEGETABLE PLANTS

	Per 100	1000
Cabbage, Wakefield and Succession...	\$0.20	\$1.00
Lettuce, Grand Rapids. Big Boston, Boston Market and Tennis Ball....	.20	1.00
Parsley .....	.30	1.25

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
selected specimens } 100 lbs. \$6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
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VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 25 Barclay St.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Mention the American Florist when writing

PEACOCK DAHLIA FARMS

Are not only the LARGEST IN THE WORLD but growers of the BEST COMMERCIAL VARIETIES in LARGE BLOCKS ABSOLUTELY TRUE TO NAME AND TYPE.

Write for Special Prices on

Arabella, Jack Rose, Nymphæa, C. W. Burton, Queen Victoria, Kriemhilde, Sylvia, Maid of Kent, Rose Pink Century, A. D. Livoni, Ethel Schmidt, Virginia Maule, Big Chief, Fringed 20th Century, 20th Century.

NEW FOR 1911. Dorothy Peacock, Mrs. J. Gardner, Cassatt, Golden Wedding, Eckford Century, Wildfire Century, Golden Century.

Send for List.

PEACOCK DAHLIA FARMS,

Postoffice: BERLIN, N. J. Farms: WILLIAMSTOWN JUNCTION, N. J.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Per 1000

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Princeps.....	6 50
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Paper White Grandiflora, 13 cm. and up.....	9 00
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

Per 1000	Per 1000
Chrysolora.....\$ 7 00	Keizerskroon.....\$10 50
La Reine.....8 00	Mon Tresor.....11 50
Prince of Austria.....12 00	Rose Luisante.....14 50
Rose Gris de Lin.....8 50	Vermilion Brilliant... 7 50
Thomas Moore.....8 00	
Single, finest mixed, all colors, for bedding.....	7 50
Murillo, the most profitable tulip for florists' use for forcing; always in demand; a very profitable variety at the price we are able to offer it this year, viz.....	10 00
Salvator Rosa.....	14 00
Gesneriana Spathulata, the true Gesneriana, the finest of all late tulips.....	9 50
Double, finest mixed, all colors, for bedding.....	8 50

Hyacinths

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties see wholesale list)	Per 1000 \$4 00 per 100; \$35 00
Separate Colors, single, pink, white and blue.....	20 00
Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Cold Storage Lily of the Valley

Case containing 500 pips.....	\$ 8 00
Case containing 1000 pips.....	15 00

Miscellaneous

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition Case 200 bulbs..	\$15 00
Longiflorum Multiflorum. Case 300 bulbs.....	13 50
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1 1/4 in. in diameter, \$7 50 per 100	
Spanish Iris, named varieties, Belle Chinoise, British Queen and Darling.....	4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops, Single and Giant.....	4 50 per 1000
Gladiolus America, the finest of all Gladioli for forcing	35 00 per 1000
Splrea, in case lots of 100 bulbs: Japonica... Compacta Multiflora.....	4 50 per case 5 50 per case
Pot-grown Lilacs, Marie Legraye and Chas. X.....	9 00 per doz.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

Chrysanthemum Novelties

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. :: :: :: :: ::

IN NEW CARNATIONS

I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for the best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalogue will be ready in December. Send for a copy. ::

CHAS. H. TOTTY, Madison, N. J.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

Conifers at the Arnold Arboretum.—II

Amongst the firs, the White Fir, *Abies concolor*, far surpasses all of the other firs in the Arboretum in beauty and health. There are a number of individuals of it that are just superb! I don't know of any conifer that can surpass it in beauty unless it be a finely developed hemlock spruce.

A Japanese fir, *Abies brachyphylla*, from the mountains of Japan, is doing remarkably well and Dr. Sargent is much pleased with its promising behavior. It forms a handsome broad base, and the thickly branched dark green outline is very attractive.

Veitch's Fir, *Abies Veitchii*, whilst doing very well, is not an object of any particular beauty. It forms a thin branching habit, and the internodes are very conspicuous. It is, perhaps, better adapted for collections than for planting on private estates, where beautiful plants are only considered.

The Saghalin Fir, *Abies Sachalinensis*, from the Island of Saghalin, north-west of Japan, and other parts of East Asia, ought to be hardy, coming from so far north. It is only of botanical interest, and whilst it is doing very well in the Arnold Arboretum, it forms a thin branching habit that would not recommend itself to planters. I think that perhaps there is a better specimen of it in the pinetum at Highland Park, Rochester, N. Y., and it is one of the same batch of seedlings presented to the Board of Park Commissioners about 10 to 12 years since, the seeds of which I think were procured from East Asia 15 to 18 years since by Dr. Sargent.

JOHN DUNBAR.

National Nut Growers' Association.

The ninth annual convention of the National Nut Growers' Association was held at the Jefferson County Court House, Monticello, Fla., Nov. 1-3. Hon. D. A. Finlayson welcomed the members in an eloquent address which was responded to by F. T. Ransey, of Austin, Tex. Papers were read by Judge U. V. Whipple, of Cordele, Ga., on "The Growing of Pecans." Prof. M. B. Waite, of the Department of Agriculture, on "Diseases Affecting the Pecan." Prof. H. K. Miller read the paper prepared by Prof. H. A. Gossard on "Nut Growing in Ohio," and Prof. W. N. Hutt read on "Legislation Affecting Horticulture." The state vice-presidents reported on nut growing in the several states and a short talk was delivered by J. P. Brown, of Carney, Ala. The nurseries of the Standard Pecan Co., Jefferson Nursery Co., Simpson Nursery Co., and Summit Nurseries were visited on the second day. The following officers were elected: H. K. Miller, Monticello, Fla., president; J. B. Curtis, Orange Heights, Fla., 1st vice-president; H. C. White, Monticello, Fla., 2nd vice-president; J. F. Poulan, Georgia, secretary; M. B. McNeely, Richmond, Va., treasurer. Invitations for the convention were received from Beaumont,

MANETTI

STOCKS FOR GRAFTING

For December and January Delivery

English.....per 100, \$1.75; per 1000, \$13.50; 5000 for \$60.00
French.....per 100, 1.50; per 1000, 12.00; 5000 for 50.00

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Hybrid Perpetual and Rambler Roses.

Strong Forcing Stock for Florists.
Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

Tex.; Houston, Tex.; St. Louis, Mo.; Portland, Ore.; Tifton, Ga.; Americus, Ga.; Gulfport, Miss., and Mobile, Ala., the selection being referred to the executive committee.

LARGE

Evergreen Trees

Cedars, Pines, Hemlocks,
Firs and Retinosporas.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of *AMPELOPSIS Veitchii*, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect
Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Lily of the Valley -- Cold Storage

For Christmas Flowering

Cold Storage Valley Pips will force naturally in about 21 days--- in a temperature of 58 degrees to 60 degrees or even less. Write or wire you orders at our expense

**Price: \$1.75 per 100; \$3.25 for 250;
\$6.50 for 500; \$12.50 for 1000.**

ARTHUR T. BODDINGTON, Seedsman,

**342 W. 14th Street,
NEW YORK.**



Cocos Weddelliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid thrifty stock, of rich dark color. Your attention is directed particularly to the larger sizes offered. They are extra good values.

3-inch pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100
5-inch pots, 18 to 24 inches high, splendid plants, 75c each.
7-inch pots, 36 to 42 inches high, grand specimens, \$2.50 each.
10-inch pots, 30 to 36 inches high, very stocky, well balanced plants, \$5.00 each.

For a complete list of seasonable stock see our Current Wholesale List. If you have no copy send for it.

HENRY A. DREER, Inc.,
714 Chestnut St., PHILADELPHIA, PA.

Montreal.

GOOD BUSINESS.

The chrysanthemum still reigns supreme and with its showy display in all stores does a great deal towards stimulating the interest of the flower-buying public towards the love of flowers. Trade at present is very good and in spite of increased production of chrysanthemums there are not enough grown locally to fill the demand. There seems to be a great scarcity of well grown pot plants, especially the single varieties which adapt themselves to decorations so admirably and deserve to be grown more largely. Roses arrive in good quality, white and pink Killarney, Mme. Chatenay

and Rhea Reid are the favorites. Carnations are selling very well and there is lots of room for them along with the chrysanthemums.

The chrysanthemum exhibition at the club rooms November 13 proved quite interesting. The list of exhibitors was not large but the quality quite up to the standard. The keenest interest centered around the big cut blooms of which Hall & Robinson were the principal exhibitors and carried off the most of the first prizes. In the plant section J. Luck was most successful. In the classes for roses and carnations the St. Bruno Floral Co. were the chief winners and an exhibit of apples grown on trees imported from

England by T. Pewtress was greatly admired. Hall & Robinson showed a vase of their new carnation Outremont, which promises to be heard of later. It is of a color resembling Dorothy Gordon. James Kean made a great hit with a vase of Rhea Reid roses, which he claims to be a splendid keeper. Other successful exhibitors were Chas. Byford, Geo. Miles, J. Petty and E. Hibbs.

Alec. Wilkie, foreman for Hall & Robinson and assistant secretary and treasurer of the Montreal Gardeners' and Florists' Club, has gone to Boston to accept a head gardener's position near that city.

LUCK.

Geraniums

S. A. Nutt.....\$11.50 per 1000.
Poitevine..... 14.00 per 1000.
Ricard..... 14.00 Per 1000.

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order or send ten cents for samples.

Coleus

Verschaffeltii.....\$7.00 per 1000
Golden Bedder..... 7.00 per 1000
Standards in assortment 6.00 per 1000

Giant leaved, the best collection in the country at \$1.25 per 100 or \$10.00 per 1000. Cuttings will be well rooted of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms cash.

A. M. HERR,
LANCASTER, PA.

DELPHINIUM FORMOSUM Hardy Lilies

Tennifolium, Wallacel, Hansonl, Henryl, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM
and GERMAN IRIS.

Write for Prices.

E. S. MILLER, Wading River, N. Y.

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement, page 504. Oct. 1 issue

European Horticulture.

Hemerocallis Flava.—The member of this family we most commonly see growing in gardens is the copper-colored Day Lily (H. fulva), doubtless because it is such a hardy and vigorous grower, and it must be admitted that where there is plenty of space, or in some wild garden, it may produce a good effect with its tall heads of blossom arising out of a mass of bright green foliage. H. flava is much less vigorous, though similar in character, and the flower stalks seldom exceed two feet in height. The great recommendation of the flower is its delicious scent, which has earned it the name of the Yellow Tuberose. It is hardy enough, but thrives best in light soils, succeeding even in hot dry places. Small plants are sometimes difficult to establish owing to the depredations of slugs, which attack them before they rise above the surface of the ground in the early spring. It is easily propagated by division, the early autumn being the best time, with a view to next year's flowering. All that is necessary to do is to take up a clump and pull the fleshy roots asunder, either with the hands or by means of a couple of four-tined forks. It is best left undisturbed for several years. H. Thunbergi is very similar to the above, and is sometimes regarded as a form of H. fulva. There is also a double-flowered form. The main objection against the day lily is the fugitive character of the flowers, but they are so freely produced that we scarcely notice this defect.

BURLINGTON, N. J.—Leon S. Anderson has erected a greenhouse 10x27 feet in which he will raise flowers for the Easter and Memorial Day trade.

Boxwood

We have just received a shipment of prime stock and can handle orders for prompt delivery.

BUSH BOX

Prices do not include tubs.

	Each	Doz.	100
10 to 12-in.....	.30c	\$3 00	\$20 00
12 to 15-in.....	.35c	3 50	25 00
15 to 18 in.....	.45c	4 50	35 00
20 to 24-in.....	.75c	8 00	

PYRAMID

	Each	Pair	10%
2½ ft. high.....	\$2 00	3 75	
3 ft. high.....	2 50	4 50	
3½ ft. high.....	3 00	5 50	
4 ft. high.....	4 00	7 50	
5½ ft. high.....	7 50	14 00	

STANDARD

	Each	Pair	10%
18 to 20 inch crown.....	\$3 00	\$ 5 50	
24 to 26-inch crown.....	4 50	8 00	

GLOBES

15x15-inch.....	\$2 50	\$ 4 50	
18x8 inch.....	3 00	5 50	

Prices include new green tubs. 10% discount if wanted out of tubs.



Vaughan's Seed Store,

84-86 Randolph St., CHICAGO
25 Barclay St., NEW YORK.

Cheap Decorative Stock.

We have on hand several hundred

DRACAENA FRAGRANS

8-inch pots, 30 to 36 inches above pot. nicely furnished that are sure to give satisfaction at \$18.00 per dozen. Order to-day. They will be just the thing for Xmas sales or for Decorating use.

Ask for our Complete Price List of Decorative Stock.

We have a fine lot of **Kentias, Latanias, Phoenix, Cocos, Poinsettias, Primulas, etc.**

Ask for our Nursery Catalogue.

The GEO. WITTBOLD CO.

L. D. Phone Graceland 1112.

737-739 Buckingham Place, CHICAGO.



SMITH'S ASTERS

Are of just as high a quality as their chrysanthemums. Smith's Peerless Light Pink and Smith's Peerless White are the finest Asters offered the trade. We have full assortment of standard kinds per pound, ounce or less to meet the demand. Price on application.

CHRYSANTHEMUMS

The best Novelties for 1911 and all the Standard Sorts.

Elmer D. Smith & Co., Adrian, Mich.

Notice! The Expressman's Strike Is Now a Thing of the Past.

Have your mind now on business. Be wide awake and

Prepare for the Holidays

It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for **Godfrey Aschmann's Greenhouses**, to the old reliable firm who has always looked after your interests and who protects you.

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

If you have room, now is the time to purchase your supply while the weather is mild and shipment can be made more safely, and while we have a big stock of everything at bargain prices.

AZALEA INDICA.

Now Is the Time to Force Azaleas for Christmas. What varieties will you take? Which ones will force well? Take my advice. There is the *Deutsche Perle* one of the best well known double whites; we have plants of these at 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. Next, *Simon Mardner*, double, bright pink. 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. *Vervaneana* is so well known that there is no need to talk about it; big, variegated rosy flowers. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. *Apollo*, single, red varieties, much admired. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00. Dozen and hundred at the same price. How about *Mme. Patrick*? This is one of the earliest pink varieties, very scarce this year in Belgium and high in price; a few of this variety you must have. Price: \$1.00. \$1.25. \$1.50 to \$2.00.

For Easter Forcing we have only the well known standard American market varieties, such as *Mme. Van der Cruyssen*, pink, very scarce this year in Belgium. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Niobe*, double white. 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Deutsche Perle*, 50c. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Helena Thielman*, light pink. \$1.00. \$1.25. \$1.50 to \$2.00; *President Oswald de Kerkove*, \$1.00 to \$1.50; *Schryveriana* 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Empress of India*, double variegated. 60c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00; *Professor Wolters*, 75c. \$1.00. \$1.25 to \$1.50; *Vervaneana*, 60c. 75c. \$1.00. \$1.25 to \$1.50; *Apollo*, 60c. 75c. \$1.00 to \$1.25; *Simon Mardner*, 50c. 60c. 75c. \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money.

Rubber Plants, 6 in. pots, 35c, 40c and 50c; 5-in., 25c.

Asparagus Plumosus, 2½-in. 3c; 3-in., 5c.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c.

Primula Chinensis, 4-in. pots, \$10.00 per 100; 5½-in., \$2.50 per doz.

Hydrangea Otaksa, 6-7 in. pots, pot-grown (only pot-grown will force successfully for Easter); price, 25c. 30c. 50c to 75c.

Christmas Peppers, 5½-in., 15c. 20c. 25c.

Cineraria Grandiflora Hybrida, Aschmann's well known strain, 2-in. pots, \$3.00 per 100; 4-in., 10c. **Dracena Branti**, 25 to 30 in. high, 6 in. pots, 40c to 50c.

Lantana Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c. 75c to \$1.00 each.

Adiantum Hyb., 2½-in. pots, 5c; 3-in., 8c; 4-in., 12c; 6-in. pan, 30c.

GODFREY ASCHMANN,

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

J. L. DILLON

WHOLESALE FLORIST

Bloomsburg, Pa.

Stock 'Mum Plants

Yellow Ivory, (new), \$2.50 per doz.
White Helen Frick, (new), ... \$15.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

LEADER

in

FERNS

Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Begonia Gloire de Lorraine

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich, deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes, in bud and partly in bloom ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best *Begonia Gloire de Lorraine* on the market. They were crackjacks indeed! We have the deep pink and the light pink (Lonsdale) varieties. 6 in. pots, 50c. 75c to \$1.00; 7 in., \$1.25 to \$1.50; 3 in. (if transplanted soon will make good 4-in. for Christmas), 15c each. \$15.00 per 100. If you have room you should order now, because they are always scarce at Christmas.

Begonia Erfordii, latest improvement; this variety is always in full bloom during winter Christmas and Easter; 4-in. pots, in bloom and bud, 20c. **Begonia Rex**, 4 in., 20c.

Cyclamen Grandiflora, best strain, 4-in. pots, large enough for 5-in., 25c; 5½-in., 35c; 3-in., large enough for 4-in., 15c.

Primula Obconica, finest strain, 4-in., in bloom, 15c, in bud, 10c; 5½-in., 25c; 6-in., very large and extra fine, 35c.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Wholesale Grower and Importer of Potted Plants,
1012 West Ontario Street,

Philadelphia Pa.

ORCHIDS

We are one of the largest collectors and importers of Orchids.
Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

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Begonia Gloire de Lorraine,

Kentias,
Palms,
Rubbers,
Etc.

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wealth.

Please look at our special low prices for superior stock in



Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glaucia*. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18 20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c. \$1.00. \$1.25 to \$1.50 each.

Robusta Compacta, *Excelsa Glaucia*, 6 in. pots, \$1.00. \$1.25. \$1.50 to \$2.00 each.

Shasta Daisies, 2½ in., \$3.00 per 100.

Jerusalem Cherries, or *Solanum* 6-in. pots, 25c, 35c. 50c.

Kentia Forsteriana, in fine shape, 6-in. pots, 30 35 40-45 in. high, 4-5-6 years old, 75c. \$1.00. \$1.25. \$1.50. \$2.00 to \$2.50 each.

Kentia Belmoreana, 25 30 35-40 in. high, 5-5½-6-7 in. pots, 5 6 7 years old, 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00. \$1.25 to \$1.50.

Our Ferns this year are exceptionally very fine. **Boston**, **Scottii**, **Whitmani** and **Scholzei**, 5½ and 6-in., 35c. 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. Remember, all our Ferns are pot-grown, not lifted from benches.

Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Neph. Todeoides, New London Fern, 2½-in., 5c; 3-in., 7c.

Special to Close Out: 4-in. **Scottii** Ferns, fine to grow on, 20c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$4.00 per 100.

Cash with order, please.

All plants must travel at purchaser's risk.

Special Sale

JUST ARRIVED. A large shipment of

Cattleyas Gigas,
C. Trianae,
C. Schroederiana.

SPECIAL PRICE. Address

John De Buck

care of Maltus & Ware,

14 Stone St., NEW YORK CITY.

SPECIALTIES.

Roses, from 3-in. pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax**, **Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, Fishkill, New York.

Nashville.

Thanksgiving week always brings with it the famous foot-fall game between Vanderbilt University and Sewanee. The florists are always much interested in having on hand for the respective universities the necessary colors, for Vanderbilt the gold, and purple for Sewanee. The former is easily enough handled for the gorgeous chrysanthemum is then in its greatest beauty and the "rooters" for Vanderbilt have no difficulty in procuring all the yellow flowers they need, but not so the purple. The modest violet goes by the thousand but can never attain to the magnificence of the other; however, it brings just as much joy to the florist's heart, for violets we must have at any price. To have a full supply of these two flowers for Thanksgiving day is the concern of all the growers in and around the city at this time. The supply of the finest of chrysanthemums promises to be abundant. Golden Wedding, Col. D. Appleton, W. H. Chadwick and other varieties will be on sale that day. Violets will be more or less scarce. Some will be shipped in but the wholesale price is such that it will have a tendency to limit the supply shipped, and the trade will depend largely upon the homegrown article. Orders are already being booked for the great game. Just now some of the handsomest chrysanthemums ever seen, either here or elsewhere, are in the market. For Thanksgiving there will be an abundance of all other stock, roses, carnations and lilies.

NOTES.

One of the handsomest weddings of the season had a decidedly Frenchy tone in the combination of pink and yellow. The bridal bouquet was, of course, white, lily of the valley and orchids with chatelaine. The bride's mother carried a bouquet of small pompon yellow chrysanthemums and lilies of the valley, with chatelaine. The matron of honor had pink roses and lily of the valley. The bridesmaids all carried muffs made of chiffon by the milliner and trimmed with the yellow pompon chrysanthemums, maiden-hair and asparagus dropping with the chatelaine. The church was beautifully decorated with palms and the potted yellow plants, the ribbon pews marked by huge bunches of specimen flowers in the same color, which color scheme was carried out even in the decoration of the residence. Even the bridal table was decorated in yellow. It was a large circular table with the centerpiece three feet six inches in diameter. The outer fringe was of maiden-hair fern with a band of yellow pompons in which sat a large basket filled with the handsomest of flowers, the Golden Wedding chrysanthemums.

Charles Tritchler and W. D. Buchanan have issued a neat little volume on "How to Grow Flowers" that is full of practical information for the amateur or professional grower. Mr. Tritchler is a practical grower and has been connected with floriculture and horticulture all his life and able to write from practical experience.

The Joy Floral Company has some Col. D. Appleton chrysanthemums that are from six to eight inches in diameter. They also have some specimen Black Hawk, the rich dark red that is much sought after.

The window of Geny Bros. in their new store on Fifth avenue is a regular chrysanthemum show, with many of the handsomest varieties, which makes a fine advertisement of their new location. M. C. D.

BATAVIA, N. Y.—Thomas A. Webb of Corfu has taken a position at Gustav Noack's greenhouses on Bank street.

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4-in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Small Ferns for Dishes, good assortment of varieties, \$5.00 per 100; \$25.00 per 1000.

Nephrolepis scholzei, 2½ in. \$5.00 per 100; 5-in. strong, \$6.00 per doz.; \$40.00 per 100.

Nephrolepis Whitmani and Boston, 2½-in. \$3.00 per 100; \$25.00 per 1000. **Whitmani**, 5-in. \$3.50 per doz.; \$25.00 per 100.

Asparagus Plumosus, 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000.

Primula Obconica Grandiflora, pink, red and white, 2½-in. pots, \$2.50 per 100.

Celestial or Christmas Pepper, 4-in. full of berries, \$10.00 per 100.

Jerusalem Cherry, strong, well-berried, 5-in., \$3.00 per doz.

Gladiolus, Blushing Bride and The Bride, 60c per 100; \$5.00 per 1000.

Narcissus, Emperor and Empress \$1.25 per 100; \$11.00 per 1000. **Trumpet Major**, French grown, 10c per 100; \$7.00 per 1000. **Paper White Grandiflora**, 80c per 100; \$7.50 per 1000. **Chinese**, (Sacred Lily) per basket of 30 for \$1.00; bale of 120 for \$3.50. **Princeps**, 60c per 100; \$5.00 per 1000.

Hyacinths, White Romans, 12-15 centimeters, \$1.75 per 100; \$15.00 per 1000.

Spirea, large forcing clumps, Gladstone, \$9.00 per 100; Queen Alexandra, \$12.00 per 100. **Florabunda**, \$4.50 per 100; **Superba**, \$6.00 per 100; **Blandin**, \$6.00 per 100; **Washington**, \$6.00 per 100; **Japonica** at \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Pansy Plants Primroses

	Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50
Asp. Sprengeri, 2½ in. pots.....		2 00
Vinca Var., from field.....		4 00

—Cash.—

	Per 1000	Per 100
Chinese, 2½ in. pot.....	\$12 00	\$1 50
Obc. Alba and Rosea.....		1 50
Obc. Gigantea.....		2 00

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On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly.

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WYNCOTE, PA.

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Send for Price List.

Mention the American Florist when writing

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

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Geo. A. Kuhl,

WHOLESALE AND RETAIL
FLORIST,

PEKIN, : ILL.

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Ferns for Dishes

	Per 100	Per 1000
2½-in.	\$3.50	\$30.00

500 at 1000 rates. Cash with order.

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\$1.50 per 100, all 2-in. stock

Feverfew, Gem, **Ageratum**, **Salvia**, **Asparagus Sprengeri**; **Primula**, **Officinalis Hybrids**; **Hardy sweet scented cowslip**; **Primroses**, **Obconica Alba**, **Lilac**, **Rubra**, **Hybrida**, **Rosea**, **Carminea**, **Sanguinea**; **Cuphea**, **Rubbers**, 5-inch, 25c to close out, **Paris Daisy**, yellow and white, 2-inch, 2c, **Hollyhock**, Double, field-grown, yellow, white, pink and red, \$2.25 per 100.

R. C., prepaid per 100:

Paris Daisy, yellow and white, \$1.00 per 100; **Cuphea**, 75c; **Double Petunia**, \$1.00 per 100; **Heliotrope**, 3 kinds, \$1.00 per 100.

Cash with order.

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Per 100
Asparagus Comorensis, 1-yr.-old clumps....\$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
Fine stock for dividing up.

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Boston & Whitmani Ferns

From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.

Superbissima, 5-inch, 20c; 6-inch, 35c. **Dracena Indivisa**, 2½-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.

Cannas, in ten leading varieties, \$2.00 per 100. Write for special prices in large quantities.

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CAMELIAS. Well budded plants, variety of colors, \$15 00 \$18 00, \$24 00 per doz.

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Pot-Grown Forcing Plants.

	Per 100	Doz.
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Deutzia Gracilis	15 00	2 00
Lilac, Charles X. Marie Le Graye, extra size, for 8 9 in. pots	10 00	10 00
Malus, Flowering Crab	15 00	15 00
Dielytra Spectabilis	6 00	4 00
Aucuba Variegated, for window boxes, 12 15 in.	4 00	9 00
Aucuba, fine plants, 18 24 in.	9 00	

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Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

Nurserymen, Florists and Planters,

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H.P., low budded, 2 yr., fine stock for forcing in pots, following varieties: \$15 00 per 100; \$120 00 per 1000.

Gen. Jacqueminot.	Marie Baumann.	Gabriel Luizet.
La France.	Frau Karl Oruschki.	Magna Charta.
Paonia	Baroness Rothschild.	Mme. Plantier.
Ulrich Brunner.	Mrs. John Laing.	Mrs. R. G. Sherman
Baron Bonstettin.	Gen. Washington.	Crawford.
Crimson Rambler , home grown, 2 year old, 2-3 ft. Per doz. 100		
well branched, own roots	\$2 00	\$12 00
2-year old, 2-3 feet, well branched, budded	2 00	12 00
3-year old, 3-4 feet, well branched, own roots	3 00	15 00
3-year old, 4-5 feet, well branched, budded	3 00	15 00
Dorothy Perkins , strong field grown	2 00	15 00
Baby Rambler , half standard, 30 in. high	9 00	
Lady Gay , 2-year old		15 00
Baby Rambler , dormant, field grown, selected, budded plants		16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10 12 inches, \$20 00 per 100; 12 15 inches, \$25 00 per 100; 15 18 inches, \$35 00 per 100.

Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

RUTHERFORD, N. J.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vland, Castellane, Poltevine Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C., \$1.00 per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

First Aid to Rose Buyers

Fall Price List—200 sorts.

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Good, Healthy Stock.

From 2 1/2-in. pots, \$4.00 per 100
In 1000 lots, 3.50 per 100

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Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2 1/4-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

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HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

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Rooted Carnation Cuttings For December Delivery.

ENCHANTRESS, PERFECTION, BEACON, \$3.00 per 100; \$25.00 per 1000.

ROSE PINK and WHITE ENCHANTRESS, WINSOR, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co., JOLIET, ILL.

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Carnations Rooted Cuttings

Our Leaders for 1911:

White Wonder, Gloriosa, Pink Delight, Scarlet Glow.

Send for price list.

F. DORNER & SONS CO. La Fayette, Ind.

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Pansy Plants.

None better at any price, \$2.50 per 1000; 5000. for \$10.00.

Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2 1/4-inch pots, \$2.00 per 100; \$5.00 for 300.

Violets, field grown, Lady Campbell to clean out, \$3.00 per 100; \$25.00 per 1000.

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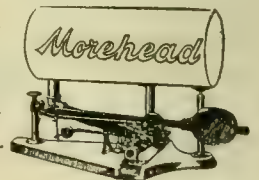
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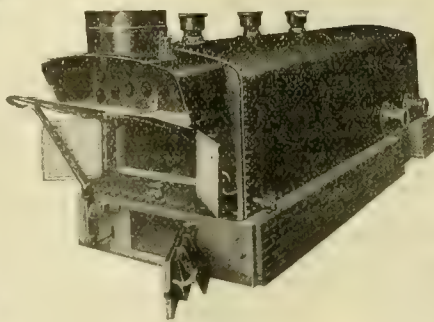
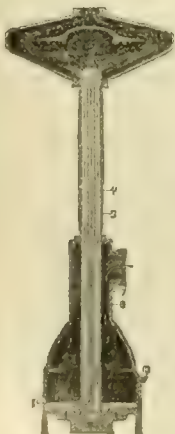
¶ The majority of florists are using Morehead Traps. If you are one of the exception it will be to your interest to write us—we will make you a liberal trial offer proposition.

¶ By way of getting acquainted, just send your name and address and ask for 'Trap Book.'



MOREHEAD MFG. CO. Department "N" Detroit, Mich.

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MORE KROESCHELL BOILERS
USED FOR
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HEATING THAN
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The Kroeschell Generator should be on every hot water heating system. It speeds up the circulation.

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10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

ALYSSUM.

Alyssum, dwf and giant dbl., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veltchli, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100; Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100; Asparagus Sprengeri, 2½-in., 2c; 3-in., 4c; fine 4-in. stock, ready for benching 8c each. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengeri, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2-in., 2½c. Asparagus Sprengeri, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprengeri, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus plumosus. Franz Barthels, Gotha, Fla.

AUCUBAS.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

BEGONIA LORRAINE, in 2-in., 12½c; 3-in., 25c; 4-in., 35c; 5-in., 50c; 6-in., 75c. AGATHA, 3-in., 25c; 4-in., 35c. PRESIDENT TAFT, 4-in., only 35c. This is all good healthy stock. Larger sizes in bloom. Park Floral Co., 1706 Broadway, Denver, Colo.

Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6 in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Gloire de Lorraine begonias, 3½-in., 25c; 4-in., 35c; 5-in., 50c. Geo. A. Kuhl, Pekin, Ill.

Begonia Glory of Cincinnati, J. A. Peterson, Westwood, Cincinnati, O.

Red begonias, 2½-in., \$5 per 100, four varieties. Geo. A. Kuhl, Pekin, Ill.

BOXWOOD.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. Paper White Grandl, \$8 per 1,000. Empress, dbl. Von Sion or Princeps, \$10. Emperor, \$12. Stella Figaro, Cynosure, \$2. Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For prices and varieties see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, best vars., clumps, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

Cannas. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

CARNATION PLANTS. 2,000 Bassett, strong field-grown plants, perfectly clean and free from disease, 5c. Also 1,000 Queen, 5c. Park Floral Co., 1706 Broadway, Denver, Colo.

Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnations. F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Beatrice May, Estelle, Glory of Pacific, Dr. Enguehard and Robt. Halliday, \$2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Stock plants, Beatrice May, Gloria, 75c; Pesa, Taft, \$1.00; DONATELLO, EDMUND ALBE, ELISE PAPWORTH, \$3.00. All per doz. J. L. Schiller, Toledo, Ohio.

Chrysanthemums, yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Elchholz, Waynesboro, Pa.

Chrysanthemum stock plants, standard varieties, \$5.00 per 100. Park Floral Co., 1706 Broadway, Denver, Colo.

Chrysanthemums, pompons, 3-in., 75c per doz.; \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

CLEMATIS.

Clematis paniculata, strong, 3-year, 10 for \$1; \$7.50 per 100. F. A. Baller, Bloomington, Ill.

COLEUSES.

Coleus, G. Bedder, Verschaffelti, etc., R. C., 60c per 100; \$5 per 1,000. Brillancy, 2-in., \$3; 3-in., \$4 per 100. Standard sorts, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, Verschaffelti, Golden Bedder and fancy assorted, \$2.00 per 100; \$15 per 1,000. The E. G. Hill Co., Richmond, Ind.

Coleus, standard varieties including Golden Bedder and Verschaffelti, 2½-in., \$2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, leading vars. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

CYCLAMENS.

CYCLAMEN, fine selected strain, 3-in., 25c; 4-in., 35c; 5-in., 50c; 6-in., 75c. 4, 5 and 6-in. in bloom. Park Floral Co., 1706 Broadway, Denver, Colo.

Cyclamen, well grown, fine strain, 3-in., \$7 per 100; 4-in., \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, extra well budded, 5-in., \$15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias. Pape & Bergman, Quedlinburg, Germany.

Dahlias, best commercial varieties. Peacock Dahlia Farms, Williamstown, Junction, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Dahlias, clumps, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Dahlia roots. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Daisies, parls, 2-in., 2c. Byer Bros., Chambersburg, Pa.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena fragrans, 8-in., 30 to 36 ins., \$18 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas, \$1, \$1.50, \$2 each. Geo. A. Kuhl, Pekin, Ill.

FERN.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Schudel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. **DICKSONIA ANTARCTICA.** A grand commercial tree fern of greatest value, 4-in. stock, \$8 per doz.; \$65 per 100. **FERN SEEDLINGS** in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. **ADIANTUM CUNEATUM**, 4-in., \$12 per 100. **Asparagus plumosus nanus** and Sprengerii, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

FERNS, BOSTON, SCOTTII, WHITMANI, ELIGANTISSIMA, ETC.

Clean healthy plants, pot-grown.

	Doz.	Per 100
5-inch	\$3.00	\$25.00
6-inch	4.50	35.00
8-inch	each, \$1; doz., \$12	

Cash Please.

LEY & BICKINGS. GOOD HOPE, D. C.

Ferns, for dishes, assorted, \$3 per 100; \$25 per 1,000. Scholz, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Whitman and Boston, 2½-in., \$3 per 100; \$25 per 1,000; Whitman, 5-in., \$3.50 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston and Piersoni, 2½-in., 4c; 3-in., 5c. Elegantissima, 3-in., 10c; 2½-in., 6c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Heavy plants, Boston, Piersoni, Elegantissima, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman and Boston, 2½-in., \$3.00 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Ferns, Boston and Whitman, 2½-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, For varieties and prices see advertisement on last cover page this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Maldenhair ferns, clumps, 15c each. Dingee & Conard Co., West Grove, Pa.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FEVERFEW.

Feverfew, large double white, R. C., \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, 5-in., 25c. Byer Bros., Chambersburg, Pa.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

Geraniums from 2-in. pots, good stock. Nutt, La Favorite, L'Aube, Vland, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2 per 100; \$18.50 per 1,000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3 per 100; \$25 per 1,000. Pelargoniums, Mme. Laval, \$5 per 100. Cash with order. Write for geranium catalogue. A. D. Root, Wooster, Ohio.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double); Beauté Poitevine, Mme. Buchner. Strong healthy cuttings for delivery December 1, \$1.50 per 100; \$12.50 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Danville, Ill.

Geraniums, standard varieties, 2½-in., 3c; 3-in., 5c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, R. C., S. A. Nutt, \$11.50 per 1,000. Poitevine, \$14. Ricard, \$14. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Spaghnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Green Roping, 20 yards in roll at 3, 4 and 5c per yard. Green wreaths, 12-inch, \$1; 14-inch, \$1.50; 16-inch, \$2 per doz. With cape flowers, \$1.50, \$2, \$2.50 and \$3 per doz. Blankets for cemetery, 2½x6 feet, \$3; 3x7 feet, \$4 each. Magnolia Wreaths, 14-inch, 75c; 16-inch, \$1.25; 18-inch, \$1.50 each. Geo. A. Kuhl, Pekin, Ill.

Boxwood Sprays, cut to order from either the tree variety (long sprays) or the hedge variety (short sprays), packed only in 50 pound crates. Jones, the Holly Wreath Man, Milton, Delaware.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Evergreen boughs, arbor vitae, white spruce, white pine, spaghnum moss. Chas. F. Uecke, New London, Wis.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Holly. Extra selected holly cut to order. If you have not received our price list of other evergreens, write for it at once. Jones, the Holly Wreath Man, Milton, Delaware.

Wild Smilax, 50 lb. cases, \$1.75. Henry M. Robinson & Co., Pine Apple, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, galax, dagger and fancy ferns, leucothoe sprays, etc. For prices see advertisement elsewhere in this issue. North Carolina Evergreen Co., Banner Elk, N. C.

Greens, fancy holly, sheet moss, laurel, autumn foliage, mistletoe. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Jap air plants in canoes, \$2; in baskets, \$1.50 to \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hardy Phlox, 20 best varieties, all colors, one-year field-grown plants, \$3.00 per 100; \$27.50 per 1,000. Can deliver at once. The Good & Reese Co., Springfield, O.

Phlox, surplus. Mixed field-grown plants, \$2.50 per 100. Cash with order. W. F. Schmelske, 72 Court St., Binghamton, N. Y.

Perennials. McHutchison & Co., 17 Murray St., New York.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hollyhocks, field-grown, \$2.25 per 100. Byer Bros., Chambersburg, Pa.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HELIOTROPES.

Heliotrope, 3 kinds, \$1 per 100. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

New Hydrangea Arborescens Grandiflora Alba, the new forcing Hydrangea, two-year, field-grown, \$2.00 per doz.; \$14 per 100; \$120 per 1,000. The Good & Reese Co., Springfield, O.

10,000 Hydrangea Otaksa, pot-grown, 4-in., \$8 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, field-grown, 6 and more crowns, \$15 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries in fine color, 3-in., \$10; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Jerusalem cherries, 5-in., \$3 per doz. Storrs & Harrison Co., Painesville, O.

LANTANAS.

Lantanas. Bruant's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

Lantanas, asst., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs. Jacobs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pipe grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley. Chicago Market Brand. \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3040 Madison St., Chicago.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Holland.

Lily of the valley. Jacobs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$80 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

NURSERY STOCK.

Nursery stock, *Viburnum plicatum*, *Hydrangea paniculata grandiflora*, *Altheas*, *Berberis Thunbergii*, *California privet*, *Clematis paniculata*. See advertisement elsewhere in this issue for varieties and prices. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock. Large Evergreen trees, Cedars, Pines, Hemlocks, Firs and Retinosporas. Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, *Cattleya gigas*, *C. trianae*, *C. Schroederæ*. John De Buck, 14 Stone St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, plants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, open frame grown, stocky plants, Trimardeau and Vaughan's giant mixture, 50c per 100; \$4 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, Bugnot, Odier and Cassier mixture, \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, select strains, fine plants and colors, \$3 per 1,000; 2,000 for \$5. Write for special prices in quantity. F. A. Baller, Bloomington, Ill.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

PALMS. *Kentia Bel.*, 18 to 20 inch, heavy, \$5 per doz. *Areca*, 2½-foot, \$7.50 per doz. *Phoenix Roebelenii*, 5-in. pots, \$7.50 per doz. Wagner Park Conservatories, Sidney, O.

Phoenix Roebelenii, for prices and sizes see advertisement on front cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Palms, For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, *Cocos Weddelliana*, for prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, *Kentia Bel.*, 2½-in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, *Kentias*. McHutchison & Co., 17 Murray St., New York.

Palms, 50c, 75c, \$1, \$1.50 and \$2.50 each. Geo. A. Kuhl, Pekin, Ill.

Palms, *Kentias*. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, large collection, distinct named kinds and colors, \$1 for 10; \$8 per 100. F. A. Baller, Bloomington, Ill.

Peonies, 1st prize white, \$15 per 100; pink \$9; red, \$10. Wagner Park Conservatories, Sidney, O.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PEPPERS.

Christmas peppers, 4-in., full of berries, \$10 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2½-in., \$5; 3-in., \$10; 4-in., \$15. Geo. A. Kuhl, Pekin, Ill.

Poinsettias, 2½-in., \$4 per 100. Harry Heintz, W. Toledo, O.

PRIMULAS.

Primroses, *Obconica* giants, 3-in., \$4 per 100. Chinese, large flowering 3-in., \$4 per 100. Ke-wensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Squireanstown, Pa.

Primula from 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA, Ronds-dorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primula *Obconica*, Rondsorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese and *Obconica*, 2½-in., \$2 per 100; 3-in., \$3 per 100; 4-in., \$6 per 100. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. *Obconica*, alba and rosea, \$1.50. *Obconica gigantea*, \$2. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, Baby and *Obconica*, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Primroses, *obconica*, alba, lilac, rubra, hybrids, rosea, \$2 per 100. *Carmina Sanguinea*, \$3. Byer Bros., Chambersburg, Pa.

Primula *obconica*, 4-in., 10c; 5-in., 15c. *Chinensis*, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula *obconica* *Grandiflora*, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Primula, *Officinalis* hybrids, 2-in., \$3 per 100. Byer Bros., Chambersburg, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

ROSES.

ROSES, cut flower varieties, 2½-in. pots; White La France, Mme. Abel Chateau, Killarney, Etoile de France, Golden Gate, Helen Gould, \$3.50 per 100. Also M. Neil, 3½-in. pot, \$4 per 100. Flower of Fairfield (Ever-blooming Rambler) and Veilchenblau (Blue rose), 3-in., \$12 per 100. Wagner Park Conservatories, Sidney, O.

Roses, budded, field-grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses, For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, For prices see advertisement elsewhere in this issue. J. Bolgiana & Son., Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

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Seeds, Stokes' standards. 219 Market St., Philadelphia.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

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Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

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Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

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Salvias, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, good 2½-in. stock at \$2 per 100. Leo Wellenreiter, Danvers, Ill.

SMILAX, 2-in. at 3c. The Park Floral Co., 1706 Broadway, Denver, Colo.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraeas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon Verbenas, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants. Cabbage: Wakefield and Succession, \$1 per 1,000; 20c per 100. Lettuce: Grand Rapids, Big Boston, Boston Market, Tennis Ball, \$1 per 1,000; 20c per 100. Parsley, 30c per 100; \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Vincas, variegated, strong field rooted tips stored without frost in a cool house. These plants will readily grow into stock for spring sales, \$1 per 100; \$10 per 1,000. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca major, strong field-grown, \$3.50 per 100. T. J. Fitters, Harbor Springs, Mich.

Vinca var., from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets. Gov. Herrick, splendid field-grown clumps, \$5 per 100; \$40 per 1,000. Chas. M. Totty, Madison, N. J.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-grown, \$8 per 100. Dingee & Conard Co., West Grove, Pa.

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Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48x50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hents & Nash, 55 W. 28th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 311 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Weiss & Sons, Charles, 123 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G., Co., Richmond, Ind.

Poehmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

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Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 533 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.

Boston—Penn, the Florist, 43 Bromfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julian Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 18 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Ell Cross, 25 Monroe.

Indianapolis.—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

New York—David Clark's Sons, 2139 Broadway.

New York—Dards, 44th and Madison Ave.

New York—International Floral Assn.

New York—Alex. McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small & Sons.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Philadelphia—J. J. Habermehl's Sons.

Philadelphia—Robert Kift, 1725 Chestnut.

Philadelphia—B. Stahl.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

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Rockford, Ill.—H. W. Buckbee.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 80 Kearney St.

Tacoma, Wash.—California Florists, 907 Pacific Ave., Tacoma, Wash.

Terre Haute, Ind.—John G. Heintz & Son, 129 S. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.

Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.

Washington—Gude Bros.

Washington—Geo. C. Shafer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers, The Superior Standard The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular, Johnston Heating Co., 131 E. 28th St., New York.

Boilers, Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers, Lord & Burnham Co., Irvington, N. Y.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. AUBURNDALE GOLDFISH CO., 920 Randolph St., Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

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Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

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Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharf Bros., Van Wert, Ohio.

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Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

Partridge berry bowls, fish globes, hyacinth glasses, etc. Nicholas Wapler, 28 Warren St., New York.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Armadillo baskets. Chas. Apelt, Comfort, Texas.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Pacific Coast Plant Tub. Write for prices. Patton Woodenware Co., Seattle, Wash.

Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

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Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

Dennison tags. Dennison Mfg. Co., Chicago.

POTS, PANS, ETC.

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Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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The Best American Book on the Subject.

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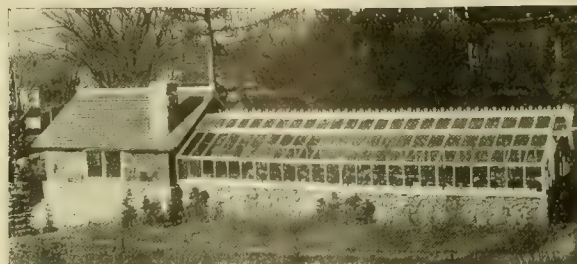
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CHICAGO



Plan 61

On page 16 of the Advance Pages to our New Catalog this subject is thoroughly described. On the opposite page are interior views of this house and two other eleven "footers." For a general utility house the eleven "footer" is a mighty good one.

The one shown belongs to Mr. A. E. Hammar, Branford, Conn. Send for the Advance Pages and know all about it.

Lord & Burnham Co., Irvington, N. Y.

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If you have no objection to purlin posts you will find **King Semi-Iron Construction** very superior in design, giving great strength and rigidity of frame and resisting all strains at reasonable cost.

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Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

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Tile Benches and Tile Bottoms

Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

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THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**
Mention the American Florist when writing

Highways and Byways.

Charleston, W. Va.—S. A. Gregg, of the Charleston Cut Flower & Plant Co., has returned from a visit to his home town in Columbus and is now busy making improvements in the store. They have a fountain in the center of the store and ferns banked around it, which makes a very attractive ornament. They are now showing a large display of bulbs for fall planting and advertise heavily in the local papers so as to remind their customers what they should do now to their flower beds. H. F. Winter, who has charge of the greenhouses, is now busy potting bulbs and lilies as fast as they come in. Prospects for a good season look promising.

Parkersburg, W. Va., J. W. Dudley, of J. W. Dudley & Son, thinks well of the Alma Ward carnation. The lot he has planted is looking well. Funeral work has been brisk the last week, with a few wedding decorations in the bargain which kept the force right busy. In the greenhouses they are busy looking over the hydrangeas for Easter sales. Mr. Dudley grows a house of these and supplies some of the stores in Pittsburgh, Washington and Philadelphia every year. J. W. Dudley & Son will operate a store in Huntington, opening November 1.

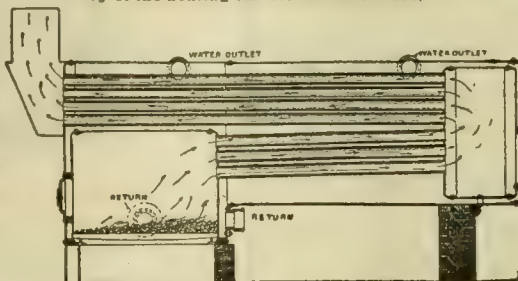
Greensburg, Pa.—The new rose houses built by Jos. N. Thomas last summer are giving very good satisfaction, having them planted to Killarney and Richmond. Carnations are looking very well and they are cutting many blooms. The place in general is looking well. A. M.

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
 $\frac{3}{4}$ of the heating surface is in the tubes.

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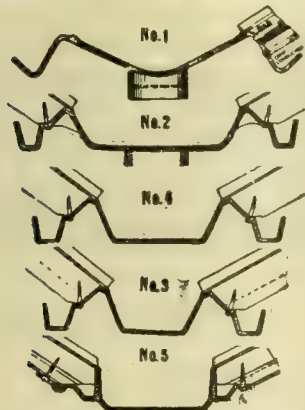
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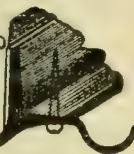
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Use our patent
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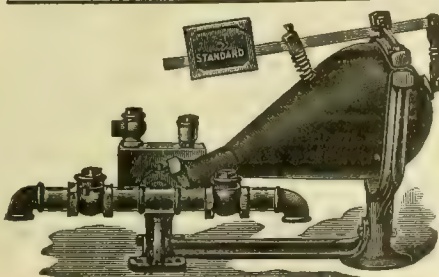
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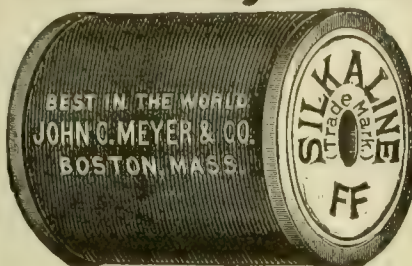
For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

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At the meeting of the Florists' Club held November 10 there was a magnificent display of roses, chrysanthemums and carnations, which was thoroughly enjoyed by the members present. Brant Bros. had a fine exhibit of Killarney, My Maryland and Bride roses and some splendid specimens of chrysanthemums and carnations; L. F. Goodman of Clark Mills displayed carnations and ferns; C. F. Sitzer, chrysanthemums; R. Kilbourn of Clinton, chrysanthemums and smilax; W. K. Dobler, carnations, and J. J. Williams, supplies and designs. An interesting display of chrysanthemums was made by A. N. Pierson of Cromwell, Conn., showing some remarkably large and well grown specimens.

The "Meyer Green Silkaline"

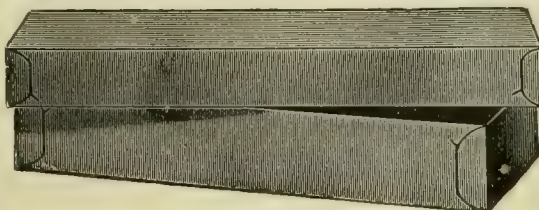


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An orchestra furnished music during the evening and a lunch which was dispensed by J. C. Spencer and Dr. W. A. Rowlands was thoroughly enjoyed by the members in addition to the inspecting and discussing the splendid floral display. Preparations are being made for the annual meeting and banquet which will probably be held some time in February.



Model Extension Carnation Support

Made with two or
three circles. En-
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Leading Carnation
Growers as the best
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*Green Flies and
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are easy to kill with
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The tank is made of galvanized sheet steel, and in brass.
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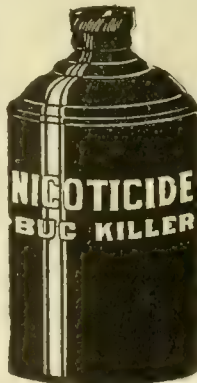
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For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
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Kills Green Fly, Aphides, Bark Lice,
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FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; post-paid, \$1.21.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

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DIMENSIONS:—Handles 1½x2x59 in. Width inside, in front 15½ in. Width inside, at handles 18½ in. Extreme width including handle guards 24 in. 20 in. Wheel.

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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Greenhouse Material

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Vol. XXXV.

CHICAGO AND NEW YORK, DECEMBER 3, 1910.

No. 1174

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1910, by American Florist Company.
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

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Registered Cable Address: Ameflo, Chicago.

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WM. F. KASTING, Buffalo, N. Y., Treas. Next
meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-
tion with the Morris County Gardeners' and
Florists' Society, Morristown, N. J., November
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,
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Next annual convention and exhibition at
Boston, Mass., March, 1911. FRED. BURKE,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eighth St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-
ton, March 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Koshyn, Pa.,
Vice-President. BENJAMIN HAMMOND, Fishkill,
N. Y., Secretary.

Our Christmas Number

WILL BE ISSUED

December 15,
Send Advs. Early.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Christmas Plants.

If the cyclamen, are backward and are not going to be in flower for the holidays, they can be moved into warmer quarters and be brought forward so as to make salable plants. While this plant likes and grows far better in a cool temperature, yet the grower must have them for the holidays, and they will stand a little forcing. The smaller plants, or those that are more or less one sided, can be potted two to four in a pan, the better side out, and make salable plants. This can also be done with primulas, and made up pans of primula obconica are very attractive. Ardesias are always more or less in demand at the holidays and well grown plants with nicely colored berries are very attractive and sell well. They are quite easily grown but are slow and unless carefully watched are great nests for scale and mealy bug. They should be kept clean and require a warm light house to have them in fine condition at this time of the year. Christmas peppers should be given a good sunny location that the fruit may be of high color. Otaheite oranges, another beautiful Christmas plant, with its golden fruit, must be given a warm sunny position in order to get the bright yellow fruit highly colored by the holiday season. This plant, when well grown and with a goodly number of well ripened oranges upon it, sells readily, even if expensive, but is very unsatisfactory when the fruit is green at this season. Aucuba Japonica and the holly are very showy Christmas plants when well berried. Care must be taken in the handling of these plants or they will drop their berries. This is generally caused by giving them too great a top heat when the roots are inactive, a little bottom heat at first with a cool top will cause root action and after the roots have obtained a new hold in the soil they can be moved to a warmer location. Dracena fragrans, with its high colored leaves, is another beautiful plant and in the small sizes is a great addition to the baskets or hamp-

ers of plants for the holiday trade.

The covering of the pot and making the plant attractive is a great problem to the florist. Crepe paper is used by many but is far from satisfactory, for the first time that the plant is watered, the paper is ruined. Waterproof crepe paper is better, and will answer the purpose, where the trade does not warrant something more expensive. Baskets, which can be purchased to fit all the different sizes of pots, are the best and add but little to the price of the plant. The majority of plants sold at Christmas are for presents and there are but few customers who will not pay the additional cost of a neat covering for the pot. The pot covers made of waterproof crepe paper are much used by many of the stores. Baskets and hampers of a variety of plants have been much in vogue in the larger cities the last few years. These can be made up with the addition of decorative plants and ferns and some very artistic and expensive collections are sold at this time of the year. Have the palms and ferns in good condition for there is sure to be call for both.

Christmas Delivery.

The safe packing and delivery of the thousands of plants that are sold and forwarded at Christmas will require a great deal of thought and hard work to be successfully carried out. Be sure to have on hand a good supply of sheet cotton, and a quantity of newspapers. The cost of the covering is very small when compared to the price of the plant. If the weather is cold, eight to ten thicknesses of paper is none too much to wrap around a plant, and if the plant is to be shipped to any distance, double the quantity should be used. Any plant whose flowers are fragile or apt to bruise, should be first wrapped in a sheet of cotton. The plant should be done up as neatly and compactly as possible and strongly enough tied that the wind cannot get in and blow the paper off. The wrapping of a blooming plant is really quite an art. An azalea should be first tied in so

that the head will be about the size of the pot, a soft coarse twine or a piece of tape should be used for this purpose, so that the branches will not be broken, as they are so apt to be with a hard twine. A begonia should be first wrapped in cotton and cones of tissue paper should be tied over each head of the poinsettias, so that the flowers will not be bruised. Place the pot on two or three thicknesses of paper and tip the bottom of the pot so that the plant will roll on the top rim of the pot and wrap the plant in this manner. Then cover with the required thickness of paper and a neatly done up plant is the result. Tall plants will have to be wrapped standing erect, but papers enough should be around the pot to prevent the roots from getting chilled. An outside paper that is neat should cover the newspapers for a great many people have serious objections to a package done up in newspapers and rightly so, for it certainly is not up to date to forward nice stock with this covering. Single plants that are to be shipped by express are best packed by having a board at top and bottom the size of the plant and laths or light boards nailed up the sides, the plant properly wrapped and set in and then nailed up. Where there are many of these to be forwarded the boards should be sawed out and prepared in advance that they may be already when the rush comes. The man or boy who delivers the plants should be cautioned against setting the plant down on the frozen ground or on the snow, for if the roots of the plant get chilled it will not last long after it reaches its destination, and a disappointed customer is the sure result.

Azaleas.

The azaleas for Christmas blooming should now be beginning to show color, and after Thanksgiving day there should be plenty of room to space them out, and give each plant the necessary room. If the plants are backward, and there is fear that they may not be in bloom for the holidays, steam the house night and morning by spraying the heating pipes and filling the house full of steam which will immediately arise from the pipes, but be careful of the ventilation after this procedure. Keep all the premature growths pinched off as soon as they appear, but this must be done very carefully, for if they are pulled off, the flowering buds may be broken off at the same time. Give the plants plenty of water, the azalea grows in a moist, peaty soil, and after the plant gets into bloom will require frequent and copious watering. Many complaints come to the florists from the purchasers of azaleas, that the flowers wilt and fade as soon as they reach the houses, and this is generally caused by their becoming dry in the extremely warm residences. Some dealers have a neat card printed, "This plant requires frequent and copious watering," or other words to that effect, which they fasten upon azaleas, lilacs, rhododendrons and such plants.

SYRACUSE, N. Y.—Articles of incorporation were filed November 22 for the W. E. Day Co., which is formed for the purpose of engaging in the flower business. The company is capitalized at \$15,000. The directors are William E. Day, Mary E. Day and Fred W. Bannister.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Bargain Sales.

It is with interest that I read in your issue of November 19, the following couplet, "New York, Trade Disappointing," and also "The bargain sales by the department store floral trade, has been a great help in relieving the wholesale district."

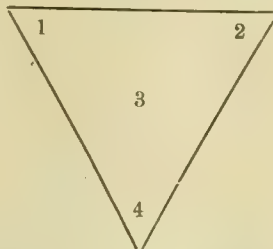
I am not writing to ascertain what effect the foregoing has on the retail florist, exclusive, as I am a member of this branch and do not seek acrimonious argument in the trade. Nor do I question that there is a relief to the wholesaler, as noted. What I do not know about the wholesale end would fill a good sized volume. But what I wish to learn is this: Wherein does a grower benefit in the sale of a large crop of flowers, which are ultimately retailed at a lower figure, than a legitimate distributor can purchase them? Or in other words, where is his profit on goods marketed at a cost, under production?

Surely the grower is a loser in cash.

Surely the retailers are losers in business.

And the result is that the wholesaler is merely "relieved."

Now, we cannot believe in suicidal tactics for business, simply because it does not pay. For illustration, the three branches of the florist business may be likened to an equilateral triangle, each angle of like dimensions tending to the balance of the whole. In the centre we may place a point representing the consumer.



1 Retailer.

2 Wholesaler.

3 Consumer.

4 Grower.

To use a simple geometrical figure, what I wish to demonstrate is this: If the wholesaler moves from his given point in the diagram, in order to be nearer the consumer, he disturbs the balance of things, and the figure topples over; he is taking from the retailer and more important yet is returning too little to the grower.

When the flower buying of a week day commences, we find the wholesale man in his proper place, taking a certain price from retailers and returning a certain price to his growers. This has established what we call a market price. Before the day's business is over, our wholesaler finds a surplus of stock on his hands, because his asking price of the morning did not induce heavy buying, and consequently a clearing out. Without any consideration for what his earlier buyers have paid, he seeks to undermine their mutual business transactions and sacrifices the glut, to relieve his water pots. The rank and file of the business have been to market, paid the price and gone home; they are the support of

both grower and wholesaler in doing this. Now, the genus fakir, appears on the scene and gathers in the goods.

I defy any one to prove that there is any gain in the long run, resulting from this kind of business. The fish and vegetable markets may justly sacrifice prices in the event of a glut, for these commodities may be used thrice daily instead of foods which will keep. But cut flowers cannot be handled to the benefit of everybody at a ruinous figure, because they are not a necessity to the average purchaser, and therefore should be classed as all articles de luxe, not necessarily expensive, but never thrown broadcast to the multitude; for if this is done, nothing will so depreciate the value of this most beautiful gift of nature, nor return so little for the pains.

An approximate estimate on the cost of production of each variety of flower should be known by growers; the same as a manufacturer knows the cost of every part of a finished product. The wholesalers returns should be commensurate to cover growers' cost, together with the growers' profit. The wholesaler should handle the product at an exact commission, or other precise profit for himself, and sell to the retailer at approximately the same price per 100 or 1,000 allowing slight reduction for the larger quantity or a total shipment. The retailer will now be governed by the competition in his class, plus his artistic ability in arrangement, which of course is worth a little extra, over selling loose flowers by a dozen.

Now, I am prepared for the inevitable question, "How about an overproduction which cannot be restrained or governed by the arts of the grower?"

Again we must remember, it is the average we shall fall back on. In mid-winter, low production and high prices are not profitable to any of us or satisfactory to customers. Or in the season of full crop and low prices, there is not satisfactory profit to any of us or appreciation by customers, for that which is acquired too cheap soon loses its worth. Therefore to answer the question, when an overcrop has passed from the grower and through the wholesaler at a price fixed on the basis of production, it has reached the retailer, who will be governed entirely by the retail market price (competitive). This condition will govern with equality the street dealer and the store man and act as its own safety valve, guaranteeing the sale of the entire product as far as any trade conditions are regulated. You will find the average retailer just as willing to sell in a large quantity at a lower profit as a small quantity at a larger profit, provided he will not be under bought by some scalper. And he will shoulder the extra labor until the market again rights itself from the over production. But he must have the surety of one price on the goods he buys.

No business can stand competition at one end and discrimination at the other; and in this fact may perhaps be found the reason for the existence of trusts in other great industries, which are not without certain virtues, especially to those within them.

CARL STUMM.

TWIN FALLS, IDAHO.—Mrs. Josephine B. Deake, wife of J. W. C. Deake, died November 19, aged 71 years.



DESIGN FOR ELKS' MEMORIAL DAY.

By A. C. Rott, Joliet, Ill.

Thanksgiving Business in New York.

The Thanksgiving season did not bring out much that was new or startling either in modes of arrangement, novelties in flowers, or receptacles for the holding of flowers and plants; it is at Christmas and Easter times when the retail artist usually puts forth his new creations which dazzle the eye and make the florists' shops the most interesting places in town. The window displays throughout the town were marvels of beauty however, and a passing mention of a few of them may not be out of place.

David Clarke's Sons, Seventy-fifth street and Broadway, had as a central feature of one of their windows a representation of a horn of plenty being emptied, the aim of the artist had evidently been to show a harvesting of all the seasonable flowers available, for among the crops that were being poured out of the horn, as it were, were chrysanthemums of all types, from the mammoth fancy blooms down to the polyantha type no bigger than vest buttons, in bronze and yellow colors, so suggestive of autumn; the bronzy saffron colored rose, Sunrise; leafless stems of native ilex, studded over completely with their glistening red berries; sheafs of pussy willow twigs dotted with their creamy white buds and the whole freely interspersed with ripe and yellow oak leaves—a very pretty combination indeed, and one that suggested at once to the observer the theme the artist had in mind.

A. Warendoff, Broadway, near Twenty-eighth street, is specializing in basket arrangements of cut flowers and plants and had two in French gilt baskets that were most gracefully executed. Small cyclamen plants with deep rose colored flowers and clusters of the new yellow rose Melody were the principle features, the cut flowers being placed in water. These baskets are excellent for steamer trade and will last, fresh and nice, during the entire journey across the Atlantic.

Alex. McConnell, "The Arcade," Fifth avenue, has always a magnificent array of palms and ferns in specimen sizes, together with the very best obtainable in cut flowers and flowering plants. Begonia Gloire de Lorraine, associated with white and pink lilies and chrysanthemums, made a charming combination in one of the windows, while in the interior of the store, tastefully arranged sprays of cattleyas, with a background of choice store plants along the marble counters,



BEGONIA GLOIRE DE LORRAINE.

Grown by Samuel Murray, Kansas City, Mo.—See Page 927.

made a very charming picture indeed.

Klausner, Seventy-third street and Columbus avenue, had as a window display a dinner table, covers laid for six, pink ribbon bows in the cloth between the chairs, pink bouvardia and pink chrysanthemums being the flowers used.

Malandre Bros., Seventy-second street and Broadway, had a very attractive display of made-up baskets of flowering plants, azaleas and cyclamens being used freely.

Thos. Young, Jr., Forty-second street and Fifth avenue, made a feature of gilded baskets and pot-covers filled with Begonia Gloire de Lorraine; the effect was most pleasing, many orchids were also seen among the cut flowers here.

At the Wadley & Smythe store, opposite the new public library, a mound of adiantum farleyense topped with camellia blossoms were the centre of attraction.

It will be gathered from the foregoing that flowering plants were used to quite some extent, and baskets in gilt-finish seem to be the style. Ribbon also was used quite freely wherever it would help the effect. There was some holly in town, but it was not

pushed much to the front, which perhaps is just as well, for any time before Christmas seems quite out of all season for Holly.

Thanksgiving in Chicago.

Unlike the two great days for the florists, Christmas and Easter, Thanksgiving does not call for any new or novel features, the only effect of the day upon the retailers being the increase in business which a day given over to much feasting and as many family parties demands, which necessitates the purchase and handling of a large amount of extra stock. The calls are for home and table decorations and as there are very few presents made upon this day the preparation of special features is not demanded. The show windows of all the stores were a glorious sight and the stores themselves were filled to overflowing with beautiful flowers of all kinds. The wholesalers did an immense business and were practically cleaned out the day before and were hustling to fill belated orders. Chrysanthemums were of course in demand and there were quantities of them. Major Bonaffon was the favorite and could be



EXTERIOR VIEW OF GREENHOUSES AT THE A. F. AMLING CO., MAYWOOD, ILL.—See Page 927.



POINSETTIA PULCHERRIMA.

Grown by Samuel Murray, Kansas City, Mo.—See Page 927.

obtained in all sizes and grades, and W. H. Chadwick and Golden Chadwick were the standbys in large blooms and some very fine Golden Weddings and Nagoyas were also seen. Long stemmed American Beauty roses were a feature at all the stores and fine blooms of Richmond, Killarney and White Killarney. Carnations were a little short of the demand and consequently the purchasing figures were advanced and the price of violets rose to such a figure (almost to Christmas prices) that they were nearly prohibitive, many of the retailers refusing to buy and handled but a small quantity. Very handsome plants were a feature at all the stores, arranged in pretty baskets or trimmed with covers and ribbons, and found many purchasers.

A very satisfactory business is reported at all the stores and some say the best Thanksgiving they ever had, notwithstanding that the morning was stormy and caused the loss of some transient trade. Few of the retail stores made special window displays but some were noted.

John Mangel had a very beautifully decorated dinner table in one of his windows that was very suggestive to buyers, the flowers being bronze pompon chrysanthemums. Chrysanthemums in all the best varieties and a refrigerator full of elegant roses in the morning, which was depleted in the early afternoon. Violets were a great feature and large bunches of this popular flower were lavishly displayed.

C. A. Samuelson had a beautiful harvest window, draped with yellow, with large vases of magnificent blooms of yellow chrysanthemums and large sheaves of wheat and in the center a representation of the bird of the day, the turkey, stood calmly surveying the scene. It was a very attractive picture and beautifully executed and drew the attention of all the passers-by.

W. J. Smyth has made an addition to his pretty store on Thirty-first street and now has twice the space which was formerly used. In addition to the beautiful chrysanthemums and roses which are always found here at this season, there were some exceptionally well-bloomed plants of cyclamen, begonias and Christmas peppers, in pretty baskets that were finding favor with his customers.

At Muir's were also splendid grown plants and in addition to the well-grown begonia Gloire de Lorraine were exceptionally fine cyclamen and azaleas Simon Mardner. This store was well supplied with handsome chrysanthemums and beautiful roses. A glance through the houses found the Christmas stock in fine condition and a great display of poinsettias and other holiday plants is promised.

The popular price boxes at Lange's were an attraction and the customers were purchasing very prettily arranged boxes of roses and chrysanthemums. The Baby chrysanthemums, the little yellow button, was an attractive feature in these boxes. In addition to the elegant roses some very beautiful cattleyas and other orchids were noted.

Fleischmann's store was particularly handsome. While no particular Thanksgiving feature was attempted yet the arrangement of the chrysanthemums and other flowers was very attractive. Very artistic corsages and bunches were being arranged for the debutantes and dinner table decorations. The combinations of violets and lily of the valley and cypripediums and lily of the valley were particularly noticeable.



VIEW OF CHRYSANTHEMUMS AT A. F. AMLING CO.'S, MAYWOOD, ILL.—See Page 927.



Chrysanthemum F. E. Nash.



Chrysanthemum E. M. Byrnes.



Chrysanthemum Alice M. Flagler.

At Bohannon's store an unusually fine display of chrysanthemums and roses was noticed and a window of beautifully grown Begonia Glorie de Lorraine and cyclamen tied with ribbons was especially attractive.

Ernest Weinhoeber Co. was very busy with debutante receptions and dinner parties in addition to the usual Thanksgiving trade. Orchids are having a good call at this establishment and a very handsome assortment of blooming and decorative plants arranged in gilt and other baskets was a great feature in the salesroom. Thanksgiving morning was extremely busy, all hands being on the jump filling orders and arranging the floral work.

Strail & Hahn were very busy with the many orders for the splendid roses and chrysanthemums which they carry and a feature here was the beautifully arranged corsages of roses which were being put up for the dining tables and for personal adornment.

At Friedman's was to be found a fine display of all the seasonable flowers, the best that the market affords. Orchids occupy a prominent place and violets and lily of the valley were used in quantity. A window of beautiful begonias and azaleas was an attraction to the shoppers on Michigan avenue.

Poinsettias.

The poinsettias are now approaching their salable stage, and the bracts are taking on their brilliant color. They will be greatly benefited now with frequent waterings of liquid manure. The plants should be tied up to a neat stake, so that they will be nice and shapely. Great care should now be taken to maintain an even temperature, for if the house is allowed to get cool for one or two nights, a loss of the foliage is certain. The plants that are grown for cut blooms will need to be staked to have long straight stems, a stake to each branch is the better way, and if the soil was not very rich, should be given liquid manure regularly; a little soot in the



Chrysanthemum W. Woodman.

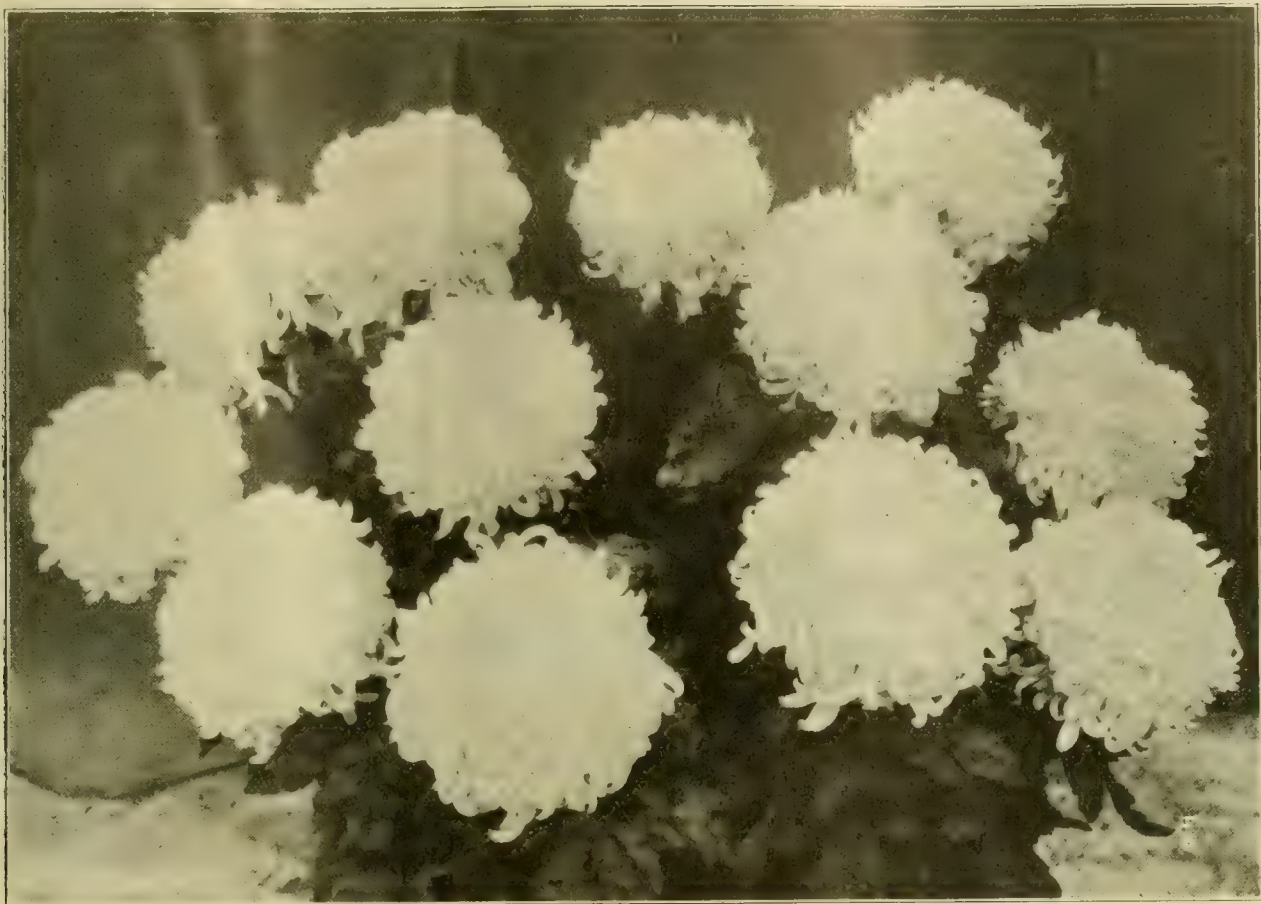
water will add to the brilliancy of the color. Some growers have more or less trouble with the blooms wilting after they are cut, and different methods have been advised to remedy this; some growers place the base of the stem as soon as cut on a red hot coal, thereby sealing the end of the stem. Others plunge the stems into hot water and claim that this will prevent the wilting. The method with which we have had the best results is to wrap the entire stem, bloom and all, in moistened newspaper, the same as is done with cut adiantum ferns, and place them in deep pots of water away from draughts, and in not too cool a place. Six or eight blooms can be wrapped up together in this manner and if allowed to stand in water for 12 hours they will not wilt when unwrapped. The small poinsettias should now be made into pans, and a few small ferns planted around the edge are a great addition and help the sale. In making the pans a taller plant in the center with

small nephrolepis around it and then smaller ferns on the outer edge of the pot are very pretty combinations that sell easily and then, even if the poinsettias do drop their leaves, the pan will still have a neat appearance.

Begonia Gloire de Lorraine.

This popular Christmas plant should now be nearly in bloom, and the plants be given plenty of room and staked and tied out as rapidly as possible. The tying and staking is a tedious job, but should be done carefully, and will amply repay in the advanced price which can be obtained for the plant. A strong wire, that will hold the branches up, makes the neatest appearance, and green silkline is by far the best cord to use for this purpose. If the plants are well advanced and coming into bloom, they can be moved into a cooler temperature, say a house that will have a temperature of 50° at night. The flowers will be of better color and heavier texture, if grown in this temperature for a week or ten days before being sold. Care should be taken in watering the plants now not to wet the flowers, and not to spot the foliage, and any damaged leaves should be immediately removed. In shipping this plant it should be very carefully wrapped, for the flowers are fragile and bruise easily. A sheet of cotton batting around the blooms will be a great help and insure the arrival of the plant in good condition. Light fumigations with nicotine papers should be constantly followed up for aphids are very partial to this plant and will soon ruin it if allowed to get a hold, and will cover the buds and blooming shoots.

TILLSONBURG, ONT.—W. L. Lindsay has made several improvements to his range of glass the past summer. A 75-foot addition has been built to one of the violet houses, an additional boiler installed, a 90-foot chimney erected, and a new potting shed and cellar completed. The plant now consists of ten houses, covering an area of 35,000 square feet.



CHRYSANTHEMUM MRS. DAVID SYME.

Chrysanthemum Novelties.

The following varieties of chrysanthemums have been exhibited at the shows this fall and have received favorable comment wherever shown. The descriptions are furnished by C. H. Totty, of Madison, N. J., the introducer.

Mrs. David Syme, the finest white in existence, either exhibition or commercial. A tall statement to make, but one that the shows of the past few weeks have proved and that the future will also endorse, when the variety is generally distributed. Purest white. Largest size, perfect in stem, foliage and keeping qualities. It is difficult to find a finer variety in its color than Mrs. David Syme.

E. M. Byrnes is a very striking crimson scarlet. This is not particularly large, but the coloring is simply superb.

F. E. Nash has been certificated by the Chrysanthemum Society of America and next year will most likely be very prominent as an exhibition variety. It is a light pink Japanese and when finished in shade gives a flower much the same color as William Duckham. If grown in the sunlight it bleaches to the color of Frank Payne. It will be well worth growing by everyone.

Alice M. Flagler is an American seedling, pure white in color, with a very attractive style and petalage. Stem and foliage are superb and while it might not travel in the same class as Mrs. Syme, it is a beautiful variety.

Mrs. G. C. Kelly, old rose with a silvery reverse. It is the largest of the varieties of this year and next year it will undoubtedly be the finest vase of flowers in the show as Mrs. David Syme was this year. Mrs. Kelly will maintain the Wells-Pockett prestige.

W. Woodmason is one of the last year's novelties. It is slow in producing stock and there will be a short supply for several years to come in consequence. At Morristown it was scored as the largest flower in the show. It created a sensation and many inquiries were made regarding its parentage.

Missouri Botanical Garden Flower Show.

Another successful display of chrysanthemums has been made at the Shaw Garden of St. Louis, giving pleasure to 19,400 persons. As in earlier years, the plants were exhibited under a large circular tent, covering the sunken garden which is used for tulips in the spring and for choice bedding plants through the summer. About 500 named varieties were represented by nearly 2,500 plants, grouped effectively for color and mass results, and the chrysanthemum grower of the garden, Max Schiller, received more than the usual number of compliments on his success in raising large specimen plants and excellent single heads. If the latter did not equal the prize-winners of the large commercial exhibits, the lack was more than made good by the comparative knowledge of chrysanthemums afforded by the display side by side of so large a number of named ferns well and characteristically developed.

The Growers of Maywood, Ill.

Out in Maywood, a suburb of Chicago, are a number of growers, clustered together, who produce a high grade of floral stock for the city flower market. The principal plant in this district, that is the largest, is that of the Albert F. Amling Co. The range consists of some thirty houses with a total area of 250,000 square feet. The large range of fourteen houses 25x300 feet each, is built upon the ridge and furrow plan, with iron gutters, and are very high and light and conducive of extra fine culture. American Beauty roses and sweet peas are the specialties of this concern. Ten of these large houses are planted to American Beauties and the stock was in elegant condition, extra long stems covered with beautiful luxuriant foliage and bearing extra large buds of splendid color. The particular thing which we noticed was that the houses do not appear to be croppy in the least, but growths in all stages were noticed, with promise of a continuous cutting throughout the winter with an excellent set for the holiday season. Four of the houses of this range are devoted to chrysanthemums and large quantities of an extra good grade of commercial blooms are grown and being shipped to the Chicago market. The following varieties were observed as being in noteworthy condition: Major Bonnaillon Crocus, Golden Wedding, Robert Halliday, Timothy Eaton and its yellow sport and White Clementine Touset. A number of houses in the older range are planted to sweet peas.

some of which are just beginning to bloom, and they are in splendid condition, a large quantity of plants of this favorite flower are just coming through the ground in small pots to fill the benches now occupied with the chrysanthemums and an immense cut will be the product of these houses.

being the chrysanthemums, sweet peas, freesias, asparagus and lilies. Henry Wehrmann, a grower who devotes his 20,000 feet of glass to chrysanthemums and sweet peas, had his stock in splendid condition. In chrysanthemums, the following varieties were noticeably fine: White Clementine Touse, Major

and chrysanthemums which were looking very nice, and a good winter crop of the former is promised. Walter Burhop, another grower, devotes his space to chrysanthemums and sweet peas, which were looking very fine.

THE EXHIBITIONS.

New York Horticultural Society.

Fall exhibition of The Horticultural Society of New York, held in the American Museum of Natural History, 77th street and Central Park, west. The strike of the express drivers caused considerable trouble in delivering exhibits and, we believe, was responsible for keeping many good things at home. However, there was a splendid exhibition in view when the doors were opened to the public on the evening of November 9. Chairman of the Council, F. R. Pierson, Secretary Geo. V. Nash and Manager J. A. Manda were indefatigable in their efforts to assist exhibitors in every possible way, the final staging of the various exhibits presented a harmonious picture that was pleasing to all who saw it, and reflected great credit upon those who had it in charge.

The center of the main hall was occupied with three immense specimen chrysanthemum plants, a yellow and two red ones. These were from the Untermeyer Estate, Greystone, N. Y., in groups around the side walls were Crotons from A. J. Manda, plumed colosias from Julius Roehrs Co., Rutherford, N. J.; thirteen varieties of Nephrolepis, from F. R. Pierson, Tarrytown, N. Y.; evergreens, bay trees and specimen palms from Bobbink & Atkins, Rutherford, N. J.; Nephrolepis Glatrasii from G. Glatras, West Hoboken, N. J. The corridor fencing the entrance was donated to orchids; here Lager & Hurrell, Summit, N. J., staged about fifty varieties in bloom. A most interesting feature of this exhibit was a collection of yellow varieties of Cyrtopodium insignis; J. A. Manda, West Orange, N. J., showed a very neat and attractive collection also. The corridor to the right of the entrance contained the displays of roses, carnations, violets and sweet peas with groups of Ficus Pandurata, and variegated evergreens from Bobbink & Atkins in the foreground.

The chrysanthemum cut flowers occupied the opposite corridor and many of the side aisles, this feature of the show being, of course, the most extensive one. Among those in the trade who made elaborate displays on this side were Chas. H. Gottz, Madison, N. J., Scott Bros., Elmstord, N. Y., and R. Vincent, Jr., & Sons Co., White Marsh, Md. The judges were: T. R. Angus, C. H. Totty, Wm. Reid, W. Stobo, T. L. Powell and Alex. Mackenzie. Their verdicts as given out by the secretary, G. V. Nash, follow:

Chrysanthemums.

Specimen bush plant, yellow.—Samuel Untermeyer, Yonkers, first.

Specimen bush plant, white.—E. H. Weatherbee, Mamaroneck (Francis Milne, gardener), first.

Specimen bush plant, pink.—Adolph Lewisohn, Ardsley (John Canning, gardener), first.



WENDLAND & KEIMEL'S PRIZE VASE OF KILLARNEY ROSES.

At the Chicago Show.

Smilax and asparagus are grown in quantity and are now looking very thrifty and a house of Adiantum Farleyense was sending forth some magnificent fronds.

The water supply of this range has been entirely remodeled this season, and demands more than passing notice. An artesian well 225 feet deep is the source, and the water is pumped from this by a gasoline engine, into an immense concrete reservoir built this year, 130 feet long, 30 feet wide and 14 feet deep. From this, two triplex Lucas pumps with power from an electric motor pumps the water, mixed with compressed air, one-third air to two-thirds water, into an iron tank 28 feet long and eight feet in diameter, holding 10,000 gallons. The pumps are so adjusted that when the pressure reaches 80 pounds, they automatically stop, and when the pressure recedes to 60 pounds, they start again. The compressed air furnishing the necessary pressure for syringing and watering. This water system was installed by the Kewanee Water Supply Co., at a total cost of \$5,000.

A. F. Amling superintends the work at the greenhouses, with the assistance of his son, Otto H., and the condition of everything is a testimonial of their ability. The output is marketed in Chicago at the wholesale store of E. C. Amling Co., 32-36 Randolph street.

Others growers of this district who were visited were W. H. Amling, who has a very nice range of 24,000 square feet of glass, having added this year a house 37x350. A general crop is grown in these houses, which was looking very fine, particularly noticeable

Bonnaffon, white Bonnaffon, Timothy Eaton, Crocus, Miss Virginia Poehlmann and Mdle. Jeanne Nonin. Ernest C. Amling has a small range, making a specialty of American Beauty roses, which were very promising. Hugo Luedtke grows chrysanthemums and sweet peas. His plant covers about 10,000 square feet, and the stock is in prime condition. William Wichtendahl has two houses of carnations



CHRYSANTHEMUM MRS. G. P. KELLY.

Specimen bush plant, any other color.—Samuel Untermyer, first.
 Largest and best specimen bush, any color.—Samuel Untermyer, first.
 Specimen standard, pink.—Chas. Hathaway, East Orange, N. J. (Max Schneider, gardener), first.
 Specimen standard, any other color.—F. V. Burton, Newburgh (Wm. Cordes, gardener), first.
 Specimen anemone.—F. V. Burton, first.

Best new variety not in commerce.—Cottage Gardens Co., first.
 Finest vase of 100 blooms.—Traendly & Schenck, sweepstakes, with Mrs. C. W. Ward.
 Twenty-five white.—John J. Riker, Port Chester (Thos. W. Stobo, gardener), first; Emerson MacMillin, Ramsey, N. J. (Francis X. Golly, gardener), second.
 Twenty-five Winsor shade.—Frederick Sturges, first.
 Twenty-five scarlet.—Frederick Potter, first.



J. A. BUDLONG'S PRIZE VASE OF AMERICAN BEAUTY ROSES.
 At the Chicago Show.

Finest and best plant exhibited.—Adolph Lewisohn, sweepstakes, with Annie Laurie.
 Twenty-five blooms, any color.—Miss Blanche Potter, Ossining (Geo. Wittlinger, gardener), first.
 Twelve blooms Mrs. Jerome Jones (special prize offered by Mr. Jerome Jones).—M. F. Plant, Groton, Ct. (Thos. W. Head, superintendent), first.
 Best vase of 50 blooms, arranged for effect.—Traendly & Schenck, Rowayton, Ct., first.
 Twenty-five varieties, distinct.—Mrs. F. A. Constable, Mamaroneck (Jas. Stuart, gardener), first; M. F. Plant, second.
 Display of hardy pompons, 25 varieties.—Chas. Mallory, Port Chester (Wm. J. Sealey, gardener), first; E. H. Weatherbee, second.
 Collection of singles and anemones, or either, 25 varieties.—Mrs. F. A. Constable, first; J. T. Pratt, Glen Cove (J. W. Everitts, gardener), second.
 Twelve blooms, white.—Miss Georgine Iselin, New Rochelle (Ewen MacKenzie, gardener), first; Miss M. T. Cockcroft, Saugatauck, Ct. (Adam Paterson, gardener), second.
 Twelve blooms, yellow.—Miss M. T. Cockcroft, first; Miss B. Potter, second.
 Twelve blooms, any other color.—E. H. Weatherbee, first.
 Best vase of 25 blooms, arranged for effect.—H. M. Tilford, Tuxedo Park (Jos. Tansey, gardener), first.
 Twelve varieties, distinct.—Miss Georgine Iselin, New Rochelle, first; Adolph Lewisohn, second.
 Display of hardy pompons, 12 varieties.—Chas. Mallory, first; Frederick Sturges, Fairfield, Ct. (Thos. Bell, gardener), second.
 Collection of singles and anemones, or either, 12 varieties.—J. T. Pratt, first; Osborn Estate, Garrison (Wm. Inglis, gardener), second.
Roses and Carnations.
 One hundred American Beauty roses.—F. R. Pierson Co., Tarrytown, first.
 One hundred White Killarney.—F. R. Pierson Co., Tarrytown, first.
 Twelve American Beauty.—Samuel Untermyer, first.
 Twelve My Maryland.—H. M. Tilford, first.
 One hundred white carnations.—Traendly & Schenck, first; Chas. Weber, second.
 One hundred Enchantress shade.—Traendly & Schenck, first; Chas. Weber, second.
 One hundred scarlet.—Traendly & Schenck, first.
 One hundred Lawson shade.—Traendly & Schenck, first.
 Best and largest collection, not less than 25 of a kind.—Cottage Gardens Co., Queens, first; Traendly & Schenck, second.

F. R. Newbold, Poughkeepsie (F. W. Saenger, gardener), second.
 Twenty-five Enchantress shade.—John J. Riker, first; F. R. Newbold, second.
 Twenty-five crimson shade.—Frederick Sturges, first.
 Twenty-five Lawson shade.—Frederick Sturges, first; H. M. Tilford, second.
 Twenty-five white ground, variegated.—F. R. Newbold, first.
Foliage and Decorative Plants.
 Stove and greenhouse plants, 100 sq. ft.—Samuel Untermyer, first.
 Collection of conifers, not less than 25 va-

rieties.—Bobbink & Atkins, Rutherford, N. J., first.
 Largest and best exhibit of bay trees.—Bobbink & Atkins, first.
 Best display of *Ficus pandurata*.—Bobbink & Atkins, first.
 Best specimen staghorn-fern.—Mrs. Harold Irving Pratt, Brooklyn (A. J. Manda, gardener), first.

Collection three nepenthes.—Mrs. Harold Irving Pratt, first.
 Collection marantas.—Mrs. Harold Irving Pratt, first.

Specimen plant begonia Gloire de Lorraine.—Adolph Lewisohn, first; S. M. & A. Colgate, Orange, N. J. (Wm. Reid, gardener), second.
 Finest and largest specimen *livistonna Chinensis*.—Mrs. Harold Irving Pratt, first.
 Finest and largest specimen of phoenix.—Mrs. J. Hood Wright (Chas. A. Wobber, gardener), first; Bobbink & Atkins, second.
 Finest and largest specimen of *Howea Forsteriana*.—Mrs. J. Hood Wright, first.
 Best specimen of *cycas circinalis*.—Mrs. Harold Irving Pratt, first.
 Best specimen of *polypodium aureum*.—Bobbink & Atkins, first.
 Best specimen of *davallia*.—Mrs. Harold Irving Pratt, first; Mrs. J. Hood Wright, second.
 Best specimen of *nephrolepis exaltata Bostoniensis*.—F. R. Pierson Co., first; Mrs. J. Hood Wright, second.
 Best specimen *nephrolepis elegantissima*.—F. R. Pierson Co., first.
 Best display of *nephrolepis exaltata* and its varieties.—F. R. Pierson Co., first.
 Display of crotons, six varieties, one plant of each.—Mrs. Harold Irving Pratt, first; Samuel Untermyer, second.
 Specimen of pine-apple plant in fruit.—Samuel Untermyer, first; Mrs. Harold Irving Pratt, second.
 Specimen lemon-tree in fruit.—F. R. Pierson Co., first.
 Collection of 18 different vegetables.—Miss B. Potter, first.
 Sufficiently meritorious new plant.—F. R. Newbold, for chrysanthemum, certificate.

Orchids.

Collection of orchids, not less than 25 species and varieties.—Lager & Hurrell, Summit, N. J., first.
 Novelty not before exhibited before the society.—Lager & Hurrell, first.
 Three hybrid orchids.—Clement Moore, Hackensack, N. J. (Jas. P. Dye, gardener), first; Lager & Hurrell, second.
 One hybrid orchid.—Lager & Hurrell, first.
 Collection of cut blooms.—Jos. Manda, West Orange, N. J., first; Lager & Hurrell, second.
 Collection of cypripediums, cut blooms.—Lager & Hurrell, first.
 Best orchid plant, in bloom.—Lager & Hurrell, first.
 Best *vanda caerulea* plant, in bloom.—Lager & Hurrell.
 Best cypripedium plant in bloom.—Lager & Hurrell, first.
 Best dendrobium plant, in bloom.—Jos. Manda, first; Lager & Hurrell, second.
 Two plants in bloom, showing highest excellence of cultivation.—F. V. Burton, first; Lager & Hurrell, second.
 Best spray of cattleya.—Jos. Manda, first; Lager & Hurrell, second.



WENDLAND & KEIMEL'S PRIZE VASE OF WHITE KILLARNEY ROSES.
 At the Chicago Show.

Best spray of orchidum.—Wm. Ziegler Estate, Noroton, Ct. (A. Bieschke, gardener), first; Lager & Hurrell, second.

Best spray of vanda.—Lager & Hurrell, first.

Best spray of dendrobium.—Lager & Hurrell, first.

Best spray of any other orchid.—Jos. Manda, first.

Six plants, six varieties, in bloom.—F. V. Burton, first.

Three plants of cattleya labiata, in bloom.—F. V. Burton, first.

Three plants, three varieties, in bloom.—Osborn Estate, first.

Best plant exhibited in either class.—F. V. Burton, sweepstakes, with cattleya labiata.

Special Prizes.

Four vases Sweet Peas.—Geo. T. Schuneman, Baldwin, special mention.

Collection of neprolepis glattasii.—George Glatras, West Hoboken, N. J.

Collection hardy pompon chrysanthemums.—R. Vincent, Jr., & Sons Co., White Marsh, Md., special mention.

Nerine Fothergillii major.—Mrs. F. A. Constable, bronze medal.

Collection of hardy pompon and single chrysanthemums.—C. H. Totty, Madison, N. J., special mention.

Cosmos Klondike.—Samuel Untermyer, certificate of merit.

Collection of crotons.—Mrs. Harold Irving Pratt, silver medal.

Group of Celosia Pride of Castle Gould.—J. Roehrs Co., Rutherford, N. J., special mention.

Group of Euonymus japonicus variegatus.—Boblink & Atkins.

Miscellaneous collection of chrysanthemums.—Scott Bros., Elmsford, special mention.

Two Phoenix Roebelinii.—Wm. Ziegler Estate, silver medal.

Vase of Lilian Doty chrysanthemums.—Wm. Ziegler Estate.

Collection of seedling single chrysanthemums.—W. P. Clyde, New Hamburg (H. J. Osterhout, gardener), certificate.

Medals of Society of American Florists Awarded.

Silver Medal to Lager & Hurrell for Cypripedium insigne Hurrellianum.

Silver Medal to F. R. Pierson Co. for Neprolepis viridissima.

Silver Medal to F. R. Pierson Co. for a new form of the superbissima.

It will be seen from the foregoing that this society is making some progress in the giving of flower shows. Chairman F. R. Pierson, when speaking about the future of the society, says: "The aim is to secure a permanent fund that will be large enough so that the income thereof will be sufficient to cover all cost of exhibitions and prize schedules, to make the exhibitions absolutely free to the public, and by so doing, a very large attendance is assured." Sixty new members have been added to the membership roll while the exhibition was in progress, fourteen of which are life members. Mrs. Russell Sage also became one of the patrons of the society.

Connecticut Horticultural Society.

The annual chrysanthemum show given by the Connecticut Horticultural Society was held November 3-4 and was the largest ever held by this society. Among the large exhibitors are J. F. Huss, gardener to J. J. Goodwin; J. A. Weber; gardener to Walter L. Goodwin; and Niel Nelson, gardener at the Hartford Retreat. The prizes in the amateur classes were awarded to A. Rigbenzi, T. B. Brown and Oscar F. Gritzmacher. The judges were Robert Paton and John H. Murray of New Haven and the awards are as follows:

Best three specimen plants, distinct varieties, in pots not exceeding 14 inches in diameter.—John F. Huss, superintendent for James J. Goodwin of Hartford, first; J. A. Weber, gardener for Walter L. Goodwin of Hartford, second.

Best specimen standard, distinct variety.—John F. Huss, first; J. A. Weber, second.

Best specimen bush plant, to show at least one-inch stem, not exceeding 14-inch pot.—John F. Huss, first.

Best 12 single stem, distinct varieties, not exceeding six-inch pots.—J. A. Weber, first; Niel Nelson, horticulturist of the Hartford Retreat, second.

Best six single stem, six distinct varieties, not exceeding six-inch pots.—J. A. Weber, first.

Best 12 pompons, distinct varieties, not exceeding six-inch pots.—John F. Huss, first.

Best three specimen pompons, not exceeding 12-inch pots.—John F. Huss, first.

Best specimen pompon, not exceeding 12-inch pot.—J. A. Weber, first; John F. Huss, second.

Best 25 cut blooms, distinct varieties.—Niel Nelson, first; John F. Huss, second.

Best 12 cut blooms, distinct varieties.—Charles Thomas Beasley, gardener for Mrs. William C. Lanman of Norwich, first; J. A. Weber, second.

Best six cut blooms, distinct varieties.—Charles Thomas Beasley, first; Alfred Cebelius, gardener for Prof. M. W. Jacobus of Hartford, second.

Best six yellow blooms.—Charles Thomas Beasley, first; Mrs. W. L. Cushing, second (Thos. Stentford, gardener), Simsbury, second.

Best six red blooms.—Charles Thomas Beasley, first; Niel Nelson, second.

Best six white blooms.—Charles Thomas Beasley, first; Walter Angus of Chapinville, second.

Best six pink blooms.—Walter Angus, first; John F. Huss, second.

Best six bronze blooms.—Charles Thomas Beasley, first; Niel Nelson, second.

Best six blooms, any other color.—Charles Thomas Beasley, first; Walter Angus, second.

Best three yellow blooms.—Charles Thomas Beasley, first; Alfred Cebelius, second.

Best three red blooms.—Charles Thomas Beasley, first; Mrs. W. L. Cushing, second.

Best three white blooms.—Charles Thomas Beasley, first; Walter Angus, second.

Best three pink blooms.—Charles Thomas Beasley, first; Niel Nelson, second.

Best three bronze blooms.—Alfred Cebelius, first; Charles Thomas Beasley, second.

Best three blooms, any other color.—Walter Angus, first; Mrs. W. L. Cushing, second.

One best incurved, any color; Mrs. W. L. Cushing, first; Alfred Cebelius, second.

One best reflexed, any color.—Mrs. W. L. Cushing, first; Charles Thomas Beasley, second.

Best floral piece of chrysanthemums.—George G. McClunie, first; Niel Nelson, second.

Best standard, any variety, 12-inch pot.—John F. Huss, first.

Best specimen plant, anemone, not exceeding 12-inch pot.—J. A. Weber, first; John F. Huss, second.

Best specimen plant, single, not exceeding 12-inch pot.—John F. Huss, first; J. A. Weber, second.

Best 12 plants, anemone, 6-inch pots.—John F. Huss, first.

Best collection of sprays, single.—Warren S. Mason of Farmington, first.

Best collection of cut pompons.—Warren S. Mason, first.

Group of chrysanthemums, ferns, and foliage plants.—John F. Huss, first.

Best vase of carnations, not yet in commerce.—Terry & Peck of Bristol, first.

Best bunch of violets.—Whiting's Greenhouse, Carl Peterson, manager, West Hartford, first.

Best two specimen plants of Begonia Gloire de Lorraine, pink.—Mrs. W. L. Cushing, first; John F. Huss, second.

Best two specimen plants of Begonia Gloire de Lorraine, white.—John F. Huss, first; Niel Nelson, second.

Best two specimen of ferns, any variety.—John F. Huss, first.

Best specimen of palm.—John F. Huss, first.

Best vase of cosmos, Lady Lenox.—John F. Huss, first.

Best collection of fruits.—George W. Smith of Melrose, first; Walter Angus, second.

Special.

(By Stump & Walter Co. of New York.)

For best trained chrysanthemum plant, standard or bush form.—John F. Huss, first; J. A. Weber, second.

Best collection of carnations, six varieties.—Terry & Peck, first.

(By Arthur T. Boddington of New York.)

Best 12 varieties vegetables.—Walter Angus, first; J. A. Weber, second.

Best 18 varieties.—Walter Angus, first; John F. Huss, second.

Best 24 varieties.—John F. Huss, first.

Diploma to John F. Huss for collection of orchids.

Diploma to John F. Huss for two new begonias, La Patrie.

Certificate of merit to the Whiting Greenhouse for vase of yellow chrysanthemums.

Certificate of merit to the Whiting Greenhouse for collection of roses.

Certificate of merit to J. A. Weber for grafted chrysanthemum, 13 varieties.

Certificate of merit to Mrs. W. L. Cushing for pink Begonia Gloire de Lorraine.

Worcester County Horticultural Society.

The chrysanthemum show of the Worcester County Horticultural Society was held November 10 in Horticultural Hall, and was the best ever held for both quality and quantity. The arrangement of plants and flowers was artistic and reflected great credit on the exhibitors and the committee in charge. The stage was outlined with decorative grasses, bay trees and two tall vases of single white chrysanthemums. Beneath the stage was a display of roses and carnations by Leonard C. Midgley. H. F. A. Lange showed a table of Begonia Gloire de Lorraine, a table of roses, and an arrangement of palms with tall vases of chrysanthemums with a border of small pots of Jerusalem cherries, Whitman and Boston ferns.

The anemone and single chrysanthemums shown by G. W. Knowlton and H. F. A. Lange occupied two tables.

James E. Draper had an extensive exhibit of shrubs, evergreens, bay trees and other decorative plants. In the decorative class the schedule called for a half circle twelve by eight feet. L. C. Midgley exhibited palms with yellow, white and anemone chrysanthemums, lilies, Enchantress carnations and Mrs. Jardine roses. E. W. Breed showed palms and bay trees, the background filled with boxwood and ferns and chrysanthemums in white and yellow. The display by H. F. A. Lange, which was awarded first prize, was made up of palms, chrysanthemums, lilies and ferns, with a semi-circle of cattleya labiata.

Charles D. Mackie's display was nicely arranged and included chrysanthemums, primula obconica, ferns and palms.

Awards.

Twelve blooms chrysanthemums.—George W. Knowlton, first; Mrs. J. C. Whitin, second.

Six blooms.—G. W. Knowlton, first; Mrs. J. C. Whitin, second.

Best bloom.—Mrs. J. C. Whitin, first; G. W. Knowlton, second.

Vase of 10 blooms, white.—G. W. Knowlton, first; Mrs. J. C. Whitin, second; L. C. Midgley, third.

Ten pink.—G. W. Knowlton, first; Mrs. J. C. Whitin, second; L. C. Midgley, third.

Ten yellow.—Mrs. J. C. Whitin, first; John Ginn, second; G. W. Knowlton, third; L. C. Midgley, fourth.

Six red.—G. W. Knowlton, first; Mrs. J. C. Whitin, second; L. C. Midgley, third.

Twenty-five blooms.—G. W. Knowlton, first; Mrs. J. C. Whitin, second; L. C. Midgley, third.

Display of pompons.—G. W. Knowlton, first; Mrs. Percy G. Forbes, second; Mrs. J. C. Whitin, third.

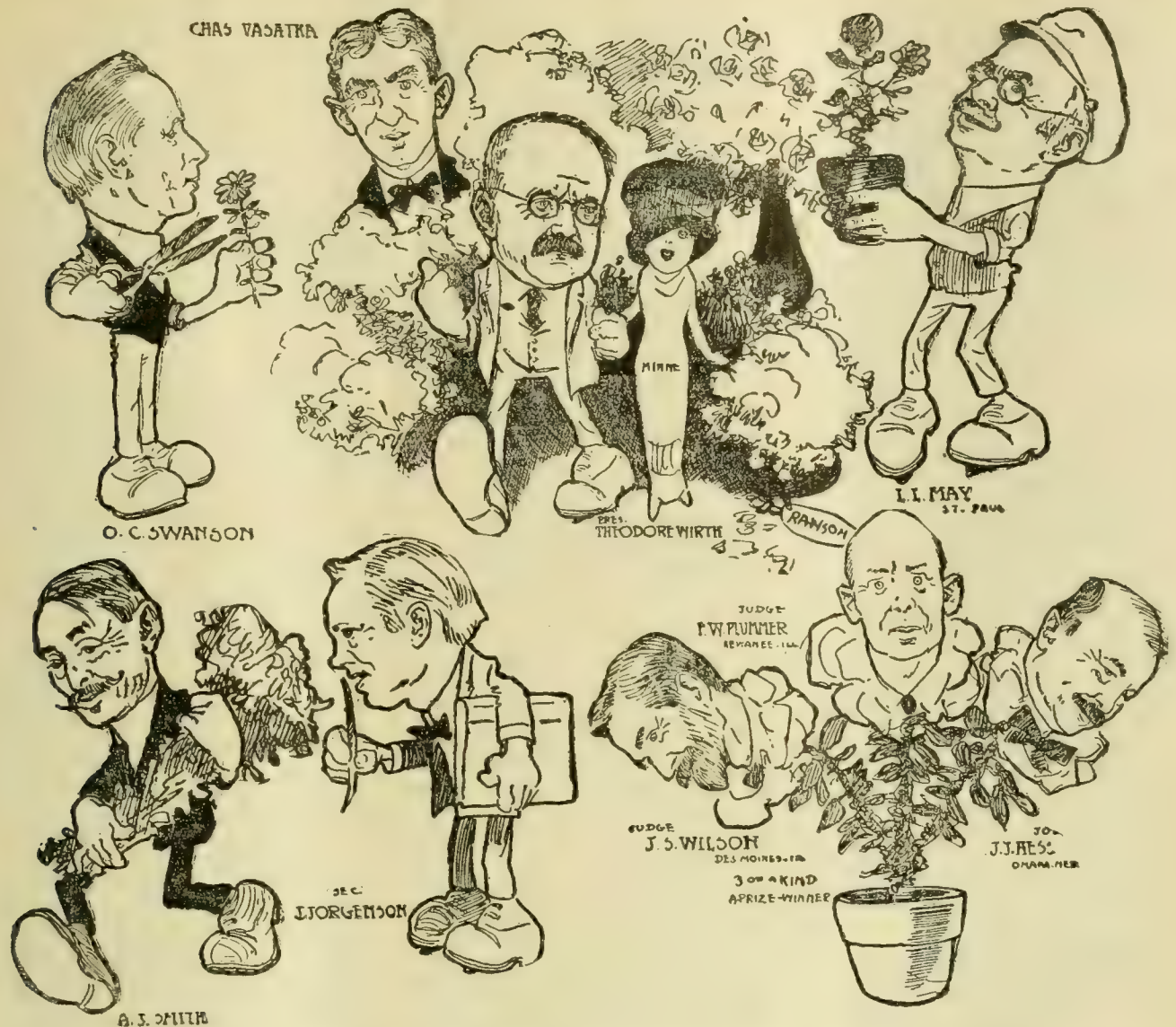
Display of single varieties.—H. F. A. Lange, first; G. W. Knowlton, second.

Plants and flowers.—E. F. A. Lange, first; Edward W. Breed, second; L. C. Midgley, third.

Gratuities: Fernery, Mrs. H. E. Hildreth; evergreen, J. E. Draper; palms, H. F. A. Lange; roses, H. F. A. Lange; begonia, H. F. A. Lange; carnations, L. C. Midgley; roses, L. C. Midgley.



VIEW OF MILWAUKEE FLOWER SHOW.



SOME OF THOSE IDENTIFIED WITH THE MINNEAPOLIS SHOW.—Minneapolis Tribune.

cyclamen, L. C. Midgley; display plants and flowers, C. D. Mackie; vase of pink chrysanthemums, James Nicols; fern globes, Mrs. Hildreth, Mrs. A. E. Auckley, Miss Grace Johnson, Mrs. H. L. Bancroft.

George MacWilliam was the judge of the show and after finishing his labors went to Boston, where he was joined by Mrs. MacWilliam, and both boarded a train for New Brunswick on a two weeks' vacation. M. W. REID.

Minnesota State Florists' Association.

The show was continued until Monday evening and with a good attendance added quite a little to the exchequer by so doing. Nearly all the exhibitors donated their blooming plants and these with the flowers sold during show week netted \$1,000 or more in the sale made on Tuesday. Additional awards are as follows:

Chrysanthemum Plants.

Best specimen white.—Holm & Olson, first; D. C. Swanson, second; Park Greenhouses, third.

Best specimen yellow.—O. C. Swanson, first; Holm & Olson, second.

Best specimen pink.—Holm & Olson, first; O. C. Swanson, second; Park Greenhouses, third.

Best specimen red.—Holm & Olson, first; O. C. Swanson, second.

Best specimen, any other color.—O. C. Swanson, first.—Park Greenhouses, second; Holm & Olson, third.

Best specimen anemone.—O. C. Swanson, first; Holm & Olson, second; Park Greenhouses, third.

Best specimen pompon.—O. C. Swanson, first; Holm & Olson, second.

Twelve plants, six varieties.—O. C. Swanson, first; Holm & Olson, second; Park Greenhouses, third.

Standard form, five plants, any color.—Holm & Olson, first; Park Greenhouses, second.

Best group for effect, 50 square feet.—Park Greenhouses, first; Will Bros. Co., second; La Crosse Floral Co., third.

Best group, 50 square feet, single varieties, for effect.—Holm & Olson, first; L. S. Donaldson Co., second; Park Greenhouses, third.

Group pompon, 30 square feet, for effect.—O. C. Swanson, first; Park Greenhouses, second; Holm & Olson, third.

Twelve white plants grown to single stem.—Holm & Olson, first; Will Bros. Co., second.

Twelve yellow.—Will Bros. Co., first; Holm & Olson, second.

Twelve pink.—Holm & Olson, first.

Collection of orchids in bloom.—O. C. Swanson, first.

Collection of evergreens in tubs, 20 varieties.—L. L. May & Co., first.

To Julius Roehrs, Rutherford, N. J., group of decorative plants for competition, a certificate of merit.

To H. W. Buckbee, Rockford, honorable mention for best seedling exhibition scale and for best seedling commercial scale.

To Minneapolis Floral Co., medal for best rose not in commerce.

To Minneapolis Floral Co., certificate of merit for vase of chrysanthemums arranged for effect.

To John E. Sten, honorable mention for vase of chrysanthemums.

To Hoskins Floral Co., Bismarck, N. D., certificate of merit for 50 pink and 50 White Enchantress, which arrived too late for judging.

Special recognition was made by the judges of the chrysanthemum hanging baskets used in the decoration of the pergolas and furnished by the Park Greenhouses, Minneapolis.

Frank Berry of Stillwater was awarded second prize on 12 reflexed blooms.

Massachusetts Horticultural Society.

The Committee on Gardens of the Massachusetts Horticultural Society announces its list of awards for estates and gardens visited the present year as follows:

H. H. Hunnewell Triennial Premium for an estate of not less than three acres which shall

be laid out with the most taste, planted most judiciously and kept in the best order for three consecutive years: George E. Barnard, Ipswich.

Special prize for an estate in Massachusetts of not more than three acres nor less than one acre that shows the best arrangement in planting and is kept in the best order: Second Prize, F. W. Dahl, Roxbury, \$25.

For a garden of summer or fall-flowering plants, not commercial: First Prize, George E. Barnard, Ipswich, Silver Medal.

For a garden or collection of hardy roses, not commercial: First Prize, George E. Barnard, Ipswich, Silver Medal.

For a rock garden: First Prize, George E. Barnard, Ipswich, Silver Medal.

For a water garden: First Prize, George E. Barnard, Ipswich, Silver Medal.

For a fruit garden of large or small fruits: First Prize, Walter G. Kendall, Atlantic, Silver Medal; Second, F. W. Dahl, Roxbury, Bronze Medal.

For a vegetable garden, not commercial: First Prize, George E. Barnard, Ipswich, Silver Medal; Second, F. W. Dahl, Roxbury, Silver Medal.

Special awards are made as follows: Otto Strassenburg, Lexington, for superior cultivation of summer and fall-flowering plants, First Class Cultural Certificate and \$10. Mrs. Harriet R. Foot, Marblehead, for superior cultivation of roses, First Class Cultural Certificate and \$10. Charles W. Parker, Marblehead, for tasteful planting of his estate "Redgate," First Class Certificate.

The members of the Garden Committee for the present year are Charles W. Parker, Chairman; Arthur F. Barney, Arthur H. Fewkes, T. D. Hatfield, Julius Heurlin, Wm. Nicholson, W. P. Rich, W. J. Stewart, J. B. Shurtleff, Jr., and Wilfred Wheeler.

The green moss shines with icy glare,
The long grass bends its spear-like form,
And lovely is the silvery scene,
When faint the sunbeams smile.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO

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HOLIDAY advertising matter, cards, folders, circulars and the like should be ordered from the local printer now. We have some nice engravings suitable for this work. Write for proofs and prices.

Personal.

J. D. Carmody, Posey County, is in Florida for the winter.

Find Bug That Kills Soil.

Sheffield, Eng., Sept. 5.—At today's meeting of the British association, Dr. Russell and Dr. Hutchinson, who have long been experimenting in soil fertility, announced the discovery of the micro-organism which destroys the bacteria essential to the fertility of the soil. A subsequent speaker declared that it was the most important agricultural discovery made in fifty years.

THANKSGIVING DAY business is reported unusually good and the outlook for Christmas and New Year trade is very promising.

OUR Christmas number will be issued December 15. Advertisements for this issue should be sent in early to insure good location and display.

Society of American Florists.

REGISTRATION OF CANNA.

Public notice is hereby given that The Conard & Jones Company, of West Grove, Pa., offer for registration the canna described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Olympic—green foliage, 3 to 4 feet, large flowers of rich, orient red, the center a lighter shade dappled carmine. Individual flowers and clusters and very large.

H. B. DORNER, Secretary.

November 24, 1910.

American Rose Society.

By special call of Chairman Pierson, of the National Flower Show committee, a meeting of the American Rose Society schedule committee was called, November 25, in Horticultural Hall, Boston, Mass., President Elliott, acting under the resolution passed at the Rochester meeting of the society, which was:

"Resolved, That the American Rose Society accept the \$1,730 offered by the National Flower Show committee; that the American Rose Society guarantee payment of any premiums in excess of this amount, which the committee of the American Rose Society may deem necessary, and that any funds which shall be added to this amount of \$1,730, shall, if not awarded, revert to the National Flower Show committee; and that the president of the American Rose Society shall appoint a committee to arrange schedule for the exhibition in connection with the National Flower Show."

President Elliott appointed Messrs. F. R. Pierson, H. O. May, Eber Holmes, Adolph Farenwald, Benjamin Hammond, E. G. Hill, Alexander Montgomery, Robert Simpson and Wallace R. Pierson as a schedule committee. F. R. Pierson said it was impossible for him to serve on the committee, and this was the sense of all present. Mr. Elliott was urged to remain at the meeting, but he said he was unable to do it as he had to leave within a few minutes. Wallace R. Pierson was suggested by Mr. Elliott, then, to act as chairman. The committee adjourned until 10 o'clock, November 26, at which time Mr. Pierson called the committee to order and stated that Vice-President Farenwald was present, and that as vice-president he should preside over the actions of this committee and the committee was so organized, with Vice-President Farenwald in the chair.

After some discussion, it was moved that the sum of \$1,500 be expended by the American Rose Society in premiums for the coming exhibition of 1911, this being in addition to the sum of \$730 already listed for pot plants and includes the \$1,000 allotted by the National Flower Show committee for cut flowers. This motion was seconded by

Mr. Holmes and carried unanimously. The committee then prepared the schedule, each item of which was taken up separately.

BENJAMIN HAMMOND, Sec'y.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston, Mass.—Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Ship flowers to Boston Flower Market, C. Park street, care of chairman.

New York.—Eugene Dailedouze (chairman), Wm. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care Eugene Dailedouze.

Philadelphia, Pa.—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O.—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago.—J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 8, 15, 22 and 29 and November 5, 12, 19 and 26.

WORK OF EXAMINING COMMITTEES.

Chicago, November 26.—Chadwick Supreme, pink sport from W. H. Chadwick, scored 87 points, commercial scale, exhibited by A. N. Pierson, Inc., Cromwell, Conn.

Cincinnati, O., November 26.—Chadwick Supreme, description and exhibitor as above, scored 82 points, commercial scale.

New York, November 26.—Chadwick Supreme, description and exhibitor as above, scored 79 points, commercial scale.

OFFICIAL JUDGING SCALES.

Commercial.		Exhibition.	
Color.....	20	Color.....	10
Form.....	15	Stem.....	5
Fullness.....	10	Foliage.....	5
Stem.....	15	Fullness.....	15
Foliage.....	15	Form.....	15
Substance.....	15	Depth.....	15
Size.....	10	Size.....	35
Total.....	100	Total.....	100
Single Varieties.		Pompon Varieties.	
Color.....	40	Color.....	40
Form.....	20	Form.....	20
Substance.....	20	Stem and foliage.....	20
Stem and foliage.....	20	Fullness.....	20
Total.....	100	Total.....	100

Single varieties to be divided in two classes, the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Meetings Next Week.

Buffalo, N. Y., December 6, 8 p. m.—Buffalo Florists' Club, 385-87 Elliott street.

Butte, Mont., December 9.—Montana Florists' Club, Columbia Gardens.

Cincinnati, O., December 10, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Dayton, O., December 5, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., December 5, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., December 5.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., December 9, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., December 6, 3:30 p. m.—State Florists' Association of Indiana, State House.

Louisville, Ky., December 6, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Montreal, Que., December 5, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street west.

New Orleans, La., December 7, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., December 7.—Newport Horticultural Society.

Omaha, Neb., December 8, 8 p. m.—Omaha Florists' Club, City Hall.

Philadelphia, Pa., December 6, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., December 6, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Princeton, Ill., December 8-9.—Horticultural Society of Northern Illinois.

Rock Island, Ill., December 8.—Tri-City Florists' Club, home of Henry Gaethje, Rock Island.

Salt Lake City, Utah, December 6.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., December 6.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Louis, Mo., December 8, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

St. Paul, Minn., December 6, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue north.

Washington, D. C., December 6, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By lady, to help in New York or Brooklyn florist shop during Christmas trade; ten years' experience.
Key 346, care American Florist.

Situation Wanted—Position as foreman by all round grower of roses and commercial stock in general, including orchids. Address
Key 345, care American Florist.

Situation Wanted—By young man with several years experience in general greenhouse work; good potter. Address JOHN GUENTHER, 1538 Wash. Ave., Piqua, Ohio.

Situation Wanted—By lady in the south; ten years' experience as decorator, designer and saleswoman for exclusive trade in the north and south. Address
NEW YORK, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman in Chicago; 14 years' experience; capable of taking charge; can show good references.
Key 347, care American Florist.

Help Wanted—A rose grower for section; state wages expected.
Key 341, care American Florist.

Help Wanted—A first-class rosegrower with experience on beauties for section; will give charge of entire plant if capable to manage it; steady position; state wages expected.
Key 342, care American Florist.

For Sale Cheap—Return tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure. W. H. BARRETT, Adrian, Mich.

FOR SALE

3 TUBULAR BOILERS

66-in. by 18-ft., perfect condition and cheap. Address

ARMSTRONG MFG. CO., Springfield, Ohio.

WANTED.

Assistant. Must be sober and a hustler; \$12.00 a week to start.

CHAS. A. DUERR, Newark, Ohio

Head Gardener.

Thoroughly qualified in all departments, with highest references, is now open to take charge of private estate any where in the middle west.

Key 217, care American Florist.

WANTED

Bright young man with experience in a wholesale and retail Seed Business; one competent to put up bulk orders, also wait on counter trade. Address with particulars, giving experience and reference.
P. O. Box 1594, Philadelphia, Pa.

Opening at Nampa, Idaho, for a Florist.

Town of 5,500 people. The distributing point of Southern Idaho and located on two railroads. For particulars write

C. R. HICKEY, Nampa, Idaho

WANTED.

One of the best Dutch bulb growers, with large growers special in the best qualities of Hyacinths, Early and Darwin Tulips wishes to secure a first-class agent in the United States of America and also in Canada on entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 230, care American Florist.

ORCHID GROWER WANTED.

Expert orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first-class references from present and previous employers. Address

LOUIS BURK, Philadelphia, Pa.
Girard Ave., and Third St.,



COPYRIGHT 1909 BY
THE AMERICAN FLORIST CO.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

FLORIST,

Salesman and high class maker-up; a man with thorough experience and the best of recommendation can find employment with a high class New York florist; wages to start, \$25.00 per week. Address Key 236, care American Florist.

SUPERINTENDENT

A first-class man with life experience in all branches of work on a large General Estate is open for engagement Dec. 1. Have a thorough knowledge of every detail of the work on an Estate where the highest class products are required. Systematic and economical in management and highly recommended. Address
Key 234 Care American Florist.

For Sale.

A well established florist and seed store; new clean stock of all kinds of seed; no opposition; busiest part of Berkeley; best part of the year commencing; attractive windows, artistic furniture and fittings, large space partitioned off into four rooms. This is no "get rich quick" proposition but a good honest living for anyone not afraid of work; low rent; price \$1500.

THE KENSINGTON FLORIST,
3310 Adeline St., So. Berkeley, Calif.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 8 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.60. The larger size, one color, \$2.70.

Cash with order.

American Florist Co

324 Dearborn St., CHICAGO.

Notice! The Expressman's Strike Is Now a Thing of the Past.

Have your mind now on business. Be wide awake and

PREPARE FOR THE HOLIDAYS

It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm who has always looked after your interests and who protects you.

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

If you have room, now is the time to purchase your supply while the weather is mild and shipment can be made more safely, and while we have a big stock of everything at bargain prices.



A HOUSE FULL OF BEGONIA GLOIRE DE LORRAINE. WHO CAN BEAT THAT?

Begonia Gloire de Lorraine

Begonia Gloire de Lorraine
to Beat the Band.

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich, deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes, in bud and partly in bloom ready for immediate sale or for the holidays. Every-

body knows that last Christmas we had the best Begonia Gloire de Lorraine on the market. They were crackerjacks indeed! We have the deep pink and the light pink (Lonsdale) varieties. 6 in. pots, 50c, 75c to \$1.00; 7 in., \$1.25 to \$1.50; 3 in. (if transplanted soon will make good 4 in. for Christmas), 15c each, \$15.00 per 100. If you have room you should order now, because they are always scarce at Christmas.

Begonia Erfordii, latest improvement: this variety is always in full bloom during winter Christmas and Easter: 4 in. pots, in bloom and bud, 20c. **Begonia Rex**, 4 in., 20c.

AZALEA INDICA.

Already Forced for Christmas, showing color now, and put away in colder houses ready for shipment. **Deutsche Perle**, pure double white; **Simon Mardner**, large double pink; **Vervaneana**, double pink variegated. Price: 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each. Remember, only the best and healthiest stock should be selected for Christmas as poor, weak Azaleas won't force successfully for Christmas. Don't order many 75c ones, because we won't have them. Larger sizes and also white ones must accompany the order.

For Easter Forcing we have only the well known standard American market varieties, such as **Mme. Van der Cruyssen**, pink, very scarce this year in Belgium, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; **Niobe**, double white, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; **Deutsche Perle**, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; **Helena Thielman**, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; **President Oswald de Kerkove**, \$1.00 to \$1.50; **Schryveriana**, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; **Empress of India**, double variegated, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; **Professor Wolters**, 75c, \$1.00, \$1.25 to \$1.50; **Vervaneana**, 60c, 75c, \$1.00, \$1.25 to \$1.50; **Apollo**, 60c, 75c, \$1.00 to \$1.25; **Simon Mardner**, 50c, 60c, 75c, \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money.

LEADER

in

FERNS Begonia Gloire

Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Poinsettias, 4 in. pots, 25c.
Shasta Daisies, 2½ in., \$3.00 per 100.

Cash with order, please.

All plants must travel at purchaser's risk.

LEADER

in

Begonia Gloire de Lorraine,
Kentias,
Palms,
Rubbers,
Etc.

We lead you into wealth.

Please look at our special low prices for superior stock in

Rubber Plants, 6 in. pots, 35c, 40c and 50c; 5 in., 25c.
Asparagus Sprengeri, 2½ in., 3c; 4 in., 10c.
Asparagus Plumosus, 2½ in., 3c; 3 in., 5c.
Primula Chinensis, 4 in. pots, \$10.00 per 100; 5½ in., \$2.50 per doz.
Primula Obconica, finest strain, 4 in., in bloom, 15c, in bud, 10c; 5½ in., 25c; 6 in., very large and extra fine, 35c.
Hydrangea Otakea, 6-7 in. pots, pot-grown (only pot-grown will force successfully for Easter): price, 25c, 30c, 50c to 75c.
Cineraria Grandiflora Hybrida, Aschmann's well-known strain, 2 in. pots, \$3.00 per 100; 4 in., 10c.
Dracena Bruantii, 25 to 30 in. high, 6 in. pots, 40c to 50c.
Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.
Adiantum Hyb., 2½ in. pots, 5c; 3 in., 8c; 6 in. pan, 30c.
Cyclamen Grandiflora, best strain, 4 in. pots large enough for 5 in., 25c; 5½ in., 35c; 3 in., large enough for 4 in., 15c.
Kentia Forsteriana, in fine shape 6 in. pots, 30 35 40 45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.
Kentia Belmoreana, 25 30 35 40 in. high, 5-5½-6-7 in. pots, 5-6-7 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.
Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots \$1.00, \$1.25, \$1.50 to \$2.00; 4 in., 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. **Boston, Scottii, Whitmani and Scholzei**, 5½ and 6 in., 35c, 40 and 50c; 7 in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Pteris Wilsonii, 3 large bushy plants in 6 in. pan, 30c to 35c per pan.

Neph. Todeoides, New London Fern, 2½ in., 5c; 3 in., 7c.

Neph. Glatravii, a new beautiful fern, an improvement on Scottii, much shorter and bushier than Scottii 5½ in. pots, 50c; 3 in. pots, 25c.

Special to Close Out: 4 in. **Scottii Ferns**, fine to grow on, 20c.

Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.
Jerusalem Cherries, or **Solanum** 6 in. pots, 25c, 35c, 50c.

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Glaucia**. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15-18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, **Excelsa Glaucia**, 6 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each.



GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants,

1012 West Ontario Street, Philadelphia, Pa.

CHRISTMAS NUMBER

TO BE ISSUED

December 15

JUST RIGHT FOR THE

Christmas and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

324 Dearborn St., CHICAGO.

 Please mail advertisements early.

Mr. Florist:

Why do you grow Lawson for dark pink when we offer you such a grand variety as

WASHINGTON,

a sport from the Enchantress; the same color as Lawson; a beautiful cerise. Lawson is all right in a way, but the stems are too short and the price you get for the blooms is too low. Washington gives you the long, perfect stems from the beginning of the season. it's free, easy to grow and as profitable as Enchantress. There is nothing better for you to grow and you know no variety pays you better than Enchantress; therefore don't throw your good money away in buying new varieties you do not know anything about. Invest in a sure thing Washington one we all know.

Rooted cuttings, early delivery,
\$10.00 per 100; \$20.00 for
250; \$75.00 per 1000.

CHICAGO CARNATION CO.,

A. T. PYFER, Manager,
Phone Central 3373.

35-36 Randolph St., Chicago.

Boston Ferns

Our stock took first prize at the Chicago Flower show. We have lots of prize winning plants in good condition. Order now before freezing weather sets in; We have the finest stock in the West.

	Each	Doz.	100
2½-inch pot plants.....	.10	\$.75	\$ 5.00
3-inch pot plants.....	.15	1.25	8.00
4-inch pot plants.....	.25	2.50	20.00
5-inch pot plants.....	.40	4.50	35.00
6-inch pot plants.....	.75	8.00	60.00
7-inch pot plants.....	1.00	10.00	75.00
8-inch pot plants.....	1.25	14.00	100.00
10-inch pot plants...	2.50—\$3.00 each.		

Prices F. O. B. Western Springs.

Vaughan's Seed Store,

CHICAGO: 84-86 Randolph St.
NEW YORK: 25 Barclay St.
Greenhouses, Trial Grounds and Nursery.
Western Springs, Ill.

Pennsylvania Horticultural Society.

At the annual exhibition of the Pennsylvania Horticultural Society additional premiums were awarded November 9. Robert Craig Co. made fine exhibits of Begonia Glory of Cincinnati and Edwin Lonsdale, which are by many considered superior to Begonia Gloire de Lorraine. Certificates of merit were awarded to Robert Craig Co. for groups of crotons, Robert Scott & Co., for new roses Melody and Double Killarney; Stockton & Howe, Princeton, N. J., for new rose Princeton. Adolf Mueller, Norristown, exhibited an adjustable pot holder, a very clever device which attracted much attention. The awards are as follows:

Orchids and Foliage Plants.

Best collection of orchids.—Alphonse Pericat, second.
Palms, best collection of twelve plants.—Mrs. F. C. Penfield, first.
Palms, specimen plant in pot or tub.—John W. Pepper, first.
Ferns, display of six plants, six varieties.—Geo. W. Childs Drexel, first.
Crotons, display of six plants, six varieties, grown as pyramids.—Edw. A. Schmidt, first.
Ferns, six plants, six varieties, in not over 8-in. pots or pans.—Geo. W. Childs Drexel, first; C. B. Newbold, second.

Know Ye This?

We grow only Chrysanthemums and Asters
We have had 21 years' experience in introducing Novelties.
We grow more hard hybridized seedlings than all others combined.
We submitted 14 seedlings and received 13 First Class Certificates.
We have the strongest collection for 1911 ever offered either by ourselves or others.
We have the best Commercial set flowering from July to January.
We shall offer five Exhibition Novelties which are unequalled, Next November shows will sustain us.
We are not holding you up because we have a cinch on the good things for 1911
We have set a price not to exceed 75c each.
We know the American raised are the best.
We also know many of the Foreign novelties cost nearly three fold.
We assure you this is only the difference between American and Foreign prices and does not refer to quality.
We import annually many varieties not as good as those we throw out.
We leave it to you. Think this matter over.
We have a new white and light pink Aster known as Smith's Peerless.
We are certain they are just as deserving of your consideration as the Chrysanthemum.
We solicit a share of your patronage.
We will gladly send immediately descriptions and prices to those wishing to place early orders.
We shall issue our complete catalogue in January.

ELMER D. SMITH & CO., Adrian, Mich.

Foliage plants, display of eight plants, in not over 8-in. pots.—Geo. W. Childs Drexel, first; Mrs. F. C. Penfield, second; John Wanamaker, third.

Ornamental foliage plants, twelve plants, twelve species, not over 14-in. pots.—John W. Pepper, first; Mrs. F. C. Penfield, second.

Foliage plant, new or rare.—John W. Pepper, first.

Caladiums, best six named varieties in pots or pans.—John Wanamaker, first.

Palms, best pair, most valuable or rare, in pots or tubs.—Geo. W. Childs Drexel, first; Mrs. F. C. Penfield, second.

Group of foliage and flowering plants, arranged for effect.—C. B. Newbold, first.

Heliotropes, four best standard plants, in not over 10-in. pots.—C. B. Newbold, first; Mrs. R. B. Ellison, second.

Palms, twelve plants, twelve varieties, in not over 6-in. pots.—Mrs. F. C. Penfield, first.

Crotons, eight best plants in not over 8-in. pots.—John W. Pepper, first; P. A. B. Widener, second.

Cypripedium Insigne, best plant in flower.—Mrs. F. C. Penfield, first.

Cattleya, any variety, best plant in flower.—P. A. B. Widener, first.

Cypripedium hybrid, best plant in flower.—P. A. B. Widener, first.

Best hanging basket, filled with Begonia Gloire de Lorraine.—Mrs. R. B. Ellison, first.

Begonia, Gloire de Lorraine, light colored variety.—Mrs. R. B. Ellison, first; Mrs. Chas. Wheeler (Wm. Fowler, gardener), second.

American Beauty roses.—P. A. B. Widener, first.

Carnations.—P. A. B. Widener, first; John Wanamaker, second.

WE HAD THE BEST BEAUTIES IN 1909

They Are Still Best in 1910

Our Beauties won first prize in every Flower Show in which they were exhibited.

Every **Rose** Entry we made was a prize-winner. **ALL OUR STOCK IS THE SAME HIGH QUALITY.**

PRICE LIST, in effect Nov. 21, 1910.

AMERICAN BEAUTIES

AMERICAN BEAUTIES		Per doz.
Extra long.....		\$4.00
30 to 36 inches.....		3.00
24 inches.....		2.50
15 to 18 inches.....		2.00
12 inches.....		1.50
		Per 100
Short stems	\$6.00	to \$8.00

**Maids, Maryland, Richmond, Killarney,
Brides, White Killarney, Kaiserin,
Rhea Reid**

Rhea Reid		Per 100
Extra select.....		10.00
Good lengths.....		8.00
Medium lengths.....	\$5.00 to	6.00
Good short lengths.....	3.00 to	4.00

CARNATIONS

CARNATIONS		Per 100
Fancy, red, white and pink.....		\$4.00
Common.....		3.00
HARRISH LILIES		
“ “	per doz.	\$ 1.50
“ “	per 100,	12.00
Lily of the Valley.....	per 100, \$3.00 to	4.00
Asparagus.....	per string,	.60
Asparagus Sprays.....	per 100, \$2.00 to	4.00
Sprengerl.....	per 100, 2.00 to	3.00
Ferns.....	per 1000,	2.00
Smilax.....	per doz.	1.50
Adiantum.....	per 100,	1.00
Galax, Green.....	per 1000,	1.00
“ Bronze.....	per 1000,	1.25
Select Pink and White Sweet Peas.....	per 100,	1.00

ROSES. Our selection, \$3.00 per 100.

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN.

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

FINE STOCK.

While the receipts of all kinds of stock is equal to the demand yet in most lines the market cleans up every day. Thanksgiving took all the stock that there was. The weather has been dark and cold and the short days have had a serious effect upon the cut at the several greenhouses, but many of the growers report that a few days will see a much increased supply. While there are still some of the late varieties of chrysanthemums on the market in good condition and a goodly quantity of pompons, yet the majority of those seen are the left overs after the holiday, and many of the wholesale dealers have ceased quoting them, yet some of the growers say that they will have some fine blooms yet to sell, which they hope will last till Christmas. Roses are of fine quality and excellent long stem American Beauties. Killarneys, Richmonds and other varieties are daily reaching the market but the demand is fully equal to the supply and in the shorter grades, at some times, is in excess of the stock on hand, this is especially so of short stem American Beauties. The carnations have now come to a fine stage, and the blooms that are coming in are of excellent grade and as the call fluctuates so do the prices on the market, but there is no over supply of good stock which is selling at good prices for the season. Violets have been decidedly short, the home grown singles are selling well, and the eastern shipments are not as heavy as they have been. Orchids are being received in greater supply than a few weeks ago, but the prices hold good and there is demand for all the market supplies. Lily of the valley is in good demand and of excellent quality and a few gardenias are on the market. Paper White narcissus, Roman hyacinths, stevia, marguerites and a few

calendulas are also to be found. The supply of greens is good and of excellent quality, the autumn foliage has come to an end and the demand for greens is consequently on the increase.

NOTES.

Mrs. Anna Hrdlicka died very suddenly Thanksgiving morning at 8 o'clock from heart failure at the age of 52 years. The funeral was held November 27 from the home of her son-in-law, J. A. Mendel, on West Eighteenth street. The floral tributes were large and numerous. The sympathy of the trade is extended to Mr. Mendel.

The Raedlein Basket Co., 713 Milwaukee avenue, received from their factories at Ebersdorf, Germany, a shipment of 24 cases of florist's baskets, November 26. This firm is now prepared to fill all orders for the holidays and extends a cordial invitation to the trade to pay them a visit and look over their large and varied display.

Peter Reinberg is cutting a choice grade of Richmond, Killarney and American Beauty roses. The latter are arriving in fine condition with long stems, foliage and color hard to beat. Killarney at this place is mostly of medium grade, Richmond good. Tim Matchen the manager reports business brisk, the shipping trade excellent.

Nic Zweifel of North Milwaukee, Wis., visited the city this week. He reports that his new carnation, Bright Spot, which won first honors for the best 100 dark pink at the American Carnation meeting at Pittsburg, Pa., last January, is in fine condition. This variety will be disseminated this season and the advance orders are very gratifying.

Bassett & Washburn are now cutting 1,000 long-stemmed American Beauty roses a day, the buds are perfect with fine foliage. C. L. Washburn, of this

concern, is particularly well pleased with the condition of these roses and says that they were never better. Business has been very good and November 28, was especially a busy day. The last chrysanthemums were cut the forepart of the week.

The schooner Rouse Simons, Capt. H. Schuenemann, has arrived at the southwest corner of Clark street bridge, laden with Christmas trees, bouquet green and boughs. This is the thirty-second year that the captain has gathered greens in the Lake Superior woods, for which he has found a good sale in this city.

The stock that Hoerber Bros. are receiving from their greenhouses at Des Plaines is of high quality Killarney, White Killarney and Richmond roses being fine. A fancy grade of Victory, Beacon, White Perfection, Enchantress and White Enchantress carnations was seen at the store this week.

In the shipments of orchids received daily by Chas. W. McKellar, we noticed an excellent grade of Cattleya Trianae, Vanda caerulea and Dendrobium Phalenopsis. A heavy crop of the cattleyas is now coming on.

A very pretty window display consisting of cut flowers and ferns with a background of birch bark was arranged by Miss J. Then, of the floral department of the Pasteur Filter Sales and Repair Co., 105 Dearborn street.

Vaughan & Sperry are well supplied with a very complete line of high-grade stock. Their American Beauty roses are particularly attractive, also their home-grown violets. A large shipment of *Cattleya Trianae* is due.

O. P. Bassett has purchased a piece of land at Oak Knoll, the residential portion of Pasadena, Calif., with the intention of erecting a costly residence thereon.

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.	Orchids, Cattleyas..... per doz., \$9 00 to \$12 00	
Extra long specials.....		\$4 00		Per 100
36 inch.....		3 00	Stevia.....	2 00
30 inch.....		2 50	Harrisii Lilies.....	12 00
24 inch.....		2 00	Valley.....	\$3 00 to 5 00
18 inch.....		1 50	Violets.....	1 00
15 inch.....		1 00	Sweet Peas.....	1 00 to 1 50
Shorter... per 100, \$4 00. \$6 00.			Plumosus Sprays, Sprengeri....	2 00 to 3 00
		Per 100	Plumosus Strings, extra long,	
Killarney, fancy.....		\$10 00	..... per string, 60c	
Long.....		8 00	Smlax... per dozen, \$1 50 to \$2 00	
Medium.....		6 00	Galax... per 1000, 1 00	
Short.....		3 00 to 4 00	Ferns, fine, com... 1 50	
Cardinal, fancy.....		10 00	Boxwood..... per bunch, 35	
Long.....		8 00	Adiantum Crowcanum.....	75 to 1 00
Medium.....		6 00		
Short.....		3 00 to 4 00		
		Per 100		
Richmond, fancy.....		\$10 00		
Long.....		8 00		
Medium.....		6 00		
Short.....		\$3 00 to 4 00		
My Maryland, fancy.....		10 00		
Long.....		8 00		
Medium.....		6 00		
Short.....		3 00 to 4 00		
White Killarney, fancy.....		10 00		
Long.....		8 00		
Medium.....		6 00		
Short.....		3 00 to 4 00		
Perle, long.....		8 00		
Medium.....		4 00 to 6 00		
Short.....		2 00 to 3 00		
Carnations, fancy.....		4 00		
..... common.....		3 00		

Extra Special Roses charged accordingly.

Subject to change without notice.

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the year.
 Once tried you will have no other.

Several of the leading florist and confectionery stores of the city have on exhibition a number of Armadillo baskets that are attracting a great deal of attention. They are manufactured by Chas. Apelt of Comfort, Texas, with much ingenious skill from the armour-like shell of that curious animal of Old Mexico, the armadillo.

Harry Nicholson, son of William Nicholson, Framingham, Mass., who has been with the Chicago Carnation Co. for the past two years will act as their traveling representative and introduce their new carnation Washington among the growers.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, 111 Randolph street, Thursday evening, December 1, at 8 p. m. The order of business includes the nomination of officers for 1911.

The Chicago Carnation Co. is cutting a fancy grade of carnations with White Enchantress showing up remarkably well. Manager Pyfer has a large vase of Washington, the firm's new carnation, on exhibition.

A meeting of the Horticultural Society executive committee was held November 28, and sub-committees appointed to see about hall and schedule for the next exhibition, with instructions to report December 15.

Funeral and wedding work is keeping Chas. Moravek exceedingly busy at his store at Sawyer and Ogden avenues. A greenhouse is now being built in the rear of the store and will be used for show purposes.

Poehlmann Bros. Co.'s stock is in splendid condition. their American Beauty roses are fine and lily of the valley of the highest grade. This firm is now receiving some beautiful Cattleya Trianae orchids.

Wietor Bros. are cutting a large quantity of Mrs. Jardine, Killarney, White Killarney and American Beauty roses. The last named are mostly of the long stem grade and an exceptionally good quality.

Kennicott Bros. Co. enjoyed a record-breaking Thanksgiving business, which was larger than that of last Christmas. This firm is now receiving a fancy grade of W. H. Chadwick chrysanthemums.

The stock of J. A. Budlong's is arriving in splendid condition, My Maryland, Mrs. Jardine and American Beauty roses. A heavy crop of roses and carnations is now coming on.

The Killarney and White Killarney roses that Weiland & Risch are receiving at the store this week are extra fine and in such quantity that they are able to fill all orders.

Paul Blome's many friends will be pleased to hear that his health is improving. Arthur is looking after the store on N. Clark street during his brother's illness.

The Misses Lillian Hoff and Marie Christianson of Madison, Wis., are visiting their relatives, Wm. Starrett and wife, at their home on Cottage Grove avenue.

L. M. Leveson, of the Palace Floral Co., 678 North Clark street, is enjoying a very busy season, funeral and wedding work occupying his attention.

J. B. Deamud Co. is receiving an excellent grade of roses and carnations in all the leading varieties. A fine grade of Cattleya Percivaliana was seen at the store this week.

Kyle & Foerster are well supplied with all the leading varieties of roses, and are receiving a large quantity of sweet peas and home grown violets.

Zech & Mann are now receiving an excellent grade of roses with Killarney, White Killarney and Bridesmaid showing up especially good.

At George Reinberg's we noticed a high-grade stock of roses in all leading varieties, their Killarneys are now coming in crop.

The E. C. Amling Co. is now offering a very superior grade of American Beauty roses, violets and lily of the valley.

John Huebner on November 26, arranged the table decorations for the banquet of the Chicago Athletic Club.

H. Van Gelder, of Percy Jones, is constantly receiving a large quantity of double violets, exceptionally good.

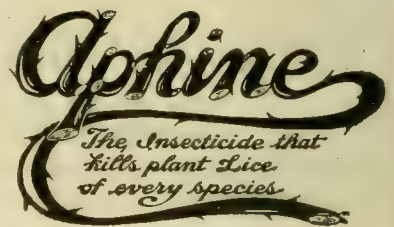
Clifford Prunner, of E. H. Hunt's supply departments, is looking forward to a very busy month.

Miss M. C. Gunterberg, of the Flower Growers' Market, broke all former records for sales last week.

John Kruchten is receiving a large quantity of roses and carnations in all the leading varieties.

A. L. Randall Co. is receiving large shipments of roses and carnations of extra good quality.

The Chicago Rose Co. is filling a large number of orders for sweet peas of good quality.



**Does all that is
claimed for it.**

It has proved itself to be one of the cheapest and most effective insecticides known today.

Aphine does not alone destroy the insects, but also contains excellent cleaning qualities, in fact, some experts claim it invigorates plant life.

HAVE YOU TRIED IT?

\$2.50 per gallon, \$1.00 per quart.

Get it from your Seedsmen.

MANUFACTURED BY

Aphine Manufacturing Co.
MADISON, N. J.

John Simpson of Ogden avenue reports a very brisk business for the last month.

Ed. Meuret, of Park Ridge, is planning to build a new house 27x210 feet.

Sinner Bros. are now cutting fancy Killarney and White Killarney roses.

E. F. Winterson is disposing of a large quantity of splendid boxwood.

Visitors: N. Zweifel, North Milwaukee, Wis.; A. Krug, Alton, and S. E. Service, Batavia.

WORCESTER, MASS.—The trustees of the Worcester County Horticultural Society have fixed the salary of the newly-elected librarian, Miss Lucy M. Coulson, at \$500 a year, and that of the newly-elected secretary, Leonard C. Midgeley, at \$400 per year, the regular amount.

We Offer Daily our Prize Winning Roses and Carnations

Pronounced by judges at the **Chicago Flower Show** as **exceptionally good** we securing **19 Awards**. Stock exhibited was taken from our **regular cuts** and as such we are able to supply customers with the **selfsame stock** which in turn will surely satisfy your customers. Heavy supply of

Beauties, Maryland, Jardine, Richmond, Pink and White Killarney, Field, Kaiserin, Maid and Bride. They are sure to give satisfaction. None better in the market.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the **New York or Hudson River Violets**, but owing to length of time required for these to reach Chicago, we can only fill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock, the best in the market.



We
Strive
To
Please.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Plenty of
Stock to
Meet all
Needs.

Milwaukee.

STOCK SCARCE.

Stock in this market was very scarce all week, mostly everything selling at a very good figure. Violets sold readily, bringing exceptionally good figures. Carnations were very fine, with not nearly enough to go around. The market was well supplied with an exceptionally fine grade of lily of the valley, which brought a fine price. Long American Beauties were equal to the demand, mediums being rather scarce but with this exception there were roses enough to supply all orders, Killarney being a little off color. It was surprising the quantity of chrysanthemums that were sold last week. The supply seemed to be endless but they kept on selling as fast as they arrived. Stevia is now coming in, but sweet peas are still a shy article—it is expected they will be more plentiful as soon as bright weather sets in. Sunshine has been very scarce in this vicinity for some time and the shortage of stock is owing to the dark weather.

NOTES.

The entertainment committee announces they have completed the preparations for the dance which will take place December 8 at Miller's Hall, corner Eighth and State streets. All florists, their employees and friends are cordially invited and a large crowd

is expected. Tickets are for sale at both wholesale houses and from the club members.

Holton & Hunkel Co. have been cutting a variety of pompon chrysanthemums which sold readily. They also had quite a crop of Killarney roses for Thanksgiving and a nice crop of American Beauties coming in.

The E. Welke Co. has been kept busy with decorations and also large orders for carnations and roses for the opening of a new jewelry store on the north side.

The Sherrer Co. had an exceptionally busy week, Mr. Sherrer being surprised at the quantity of flowers he handled Thanksgiving day.

C. C. Pollworth Co. reports business good. This firm is cutting a lot of very fancy chrysanthemums which are selling at good prices.

M. A. McKenney & Co. had several large wedding orders in addition to their Thanksgiving business, which kept them hustling.

J. M. Fox was quite busy during Thanksgiving week, having several large receptions.

Visitors.—J. Benstead, Racine, Wis. G. R.

LAWRENCE, KAN.—George Ecke and Mrs. Ecke have opened a cut flower store at 823 Massachusetts street.

St. Louis.

Thanksgiving was a beautiful day as regards the weather. Many of the retailers, seeing the scarcity of stock the week before, ordered outside, fearing they would be short. One retailer evidently got carnations from Chicago, as he was selling them below the market price. There was a great supply of chrysanthemums, but violets were scarce and high. All the wholesale houses cleaned out and could have sold more.

NOTES.

Several hundred carnations were distributed November 26 in office buildings, the occasion being the annual Hospital Sunday Fund.

Fred H. Weber had a fine stock of roses, chrysanthemums and violets and disposed of everything in sight.

Metropolitan Floral Co. had a run on fancy white chrysanthemums tied with blue ribbons for the game.

The Paris Floral Co. had a novelty in a blue and white car for the football game November 24.

W. J. & M. S. Vesey had a fine supply of Richmond, Killarney and White Killarney roses.

C. Young & Sons Co. had a beautiful and artistic show window for Thanksgiving.

A special meeting of the Retail Florists' Association is called November 29. W. F.

CUT FLOWERS

Our ROSES, CARNATIONS and Other Seasonable Stocks are arriving in splendid condition, and are as good a grade as can be found in the market.

PRICE LIST

American Beauty		Per doz.	Mrs. Jardine, select		Per 100	Carnations fancy		Per 100
Long stems	.....	\$5.00	.....	.....	8.00	.....	.....	4.00
30 inch stems	.....	3.50	Medium	.....	\$3.00 to 4.00	Good	.....	2.00 to 3.00
24 inch stems	.....	3.00	Uncle John, select	.....	6.00	Harrisii	.....	15.00
20 inch stems	.....	2.50	Medium	.....	3.00 to 4.00	Valley	.....	3.00 to 4.00
18 inch stems	.....	2.00	Richmond, select	.....	6.00	Sprengerl, per bunch	.....	50c
15 inch stems	.....	1.50	Medium	.....	4.00	Asparagus Plumosus	.....	75c
12 inch stems	.....	1.00	White Killarney, select	.....	8.00	extra quality, per bunch	.....	1.50 to \$2.00
Short stems	.....	.75	Medium	.....	4.00	Fancy Ferns, per 100	.....	1.50 to \$2.00
Killarney, select		Per 100	ROSES, our selection	.....	4.00	All other stock at lowest market rates.		
Medium		\$3.00				Prices subject to change without notice.		
		4.00				No charge for packing.		

WIETOR BROS., L. D. Phone Randolph 2181. 51 Wabash Ave. **Chicago**

Los Angeles, Calif.

Many society functions and the arrival of a number of tourists have made a decided revival in trade, while Thanksgiving orders were plentiful and good. Several of the principal retailers are extremely busy and all are anxiously looking up stock for the coming season. Stock of first grade is not plentiful, the heat of the last few weeks having been responsible for roses going off crops earlier than usual. Growers are not pushing their plants, preferring to take chances on a good cut for Christmas. Richmond still leads for quality, both color and stem being good in the best grades. Chrysanthemums are still fairly plentiful and many of the growers as well as the retailers will be glad when "finis" is written against this crop. The inside flowers are practically over, but there are still many coming in from outside. Outdoor paper white narcissus has made its appearance and is a welcome change. Other bulbous stock is coming in line and will probably be plentiful on account of the suitable weather. Orchids are about even with the demand, but certainly not an over supply, and good cattleyas are excellent property. Dendrobium formosum is seen, also a few phalenopsis, but do not cut a very big figure. Carnations are better, both in stem and color, and large quantities are handled. Violets are fine and meet with a limited demand only.

NOTES.

Out at Montebello, Dietrich & Turner are going ahead with their new plant and the rose stock in the new houses is in excellent shape. Prima Donna, a fine new red rose looks extremely promising and H. W. Turner, who presides over the destinies of the place here, is enthusiastic over it. There are three houses 56x300 feet, two devoted to roses and one to carnations, Killarney, White Killarney, Richmond, President Carnot and American Beauty being the principal roses grown, while most of the carnations are of Mr. Turner's own raising. Several thousand lilies are forced and there are large batches of L. Formosum and L. Giganteum in elegant shape. Under lath there are fine stocks of plants used for the firm's trade for the Harvey dining cars on the Santa Fe and Salt Lake railway systems. Cocos Weddelliana, Dracena fragrans, boxwood, aspidistras and various species of phenix are the principal plants used. Outside there are promising blocks of Cedrus deodara, Cocos plumosa, C.

Our Carnations Are Superior

That Is Why We Win So Many Prizes at Every Exhibition

AWARDED HIGHEST HONORS

At Chicago, Milwaukee, St. Louis and Minneapolis Flower Shows.

Exhibition blooms for these shows were taken from our regular daily cut, which is the best in the Chicago market, all the same superior quality every day. That is why we please our customers. If you are not acquainted with us, send in a trial order. We guarantee satisfaction. We also have strictly High Grade 'Mums, Roses, Sweet Peas, Valley, Violets, Greens, Etc., at Lowest Market Prices.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

flexuosa and Philodendron pertusum while a deeply colored bougainvillea was very attractive. J. Dietrich made a good pilot around the grounds but darkness prevented a look at the home nursery. Mr. Turner was busy with the setting of a new boiler and concrete work in connection with the new flower room.

Howard Smith's Montebello nursery is very attractive now. There are immense stocks of Kentias in all sizes under lath and all the other popular palms. In the open one of the most attractive beds was devoted to a large variety of gerberas, all colors and shades. The herbaceous phloxes are magnificent for so late in the season, all round varieties of the finest round flowered types of exquisite colors and pure white. Cupressus Montana is in fine condition while all around in full bloom are clematis, dahlias, stocks delphiniums and others. In all there are 35 acres of nursery stock and 25 acres of roses under glass, there are large stocks of bedding plants and decorative stock for Christmas sales. Azaleas are already well established and look promising.

W. Saakes had the decorations at the Jewish ball for the opening of the season at the Concordia Club. Over 100 dozen fine yellow chrysanthemums were used and he also made use of 600

electric glow lights. The tables were arranged to seat 200 guests and were treated with Richmond roses, these having a fine effect against the pure white decorations of the banquet hall. Friend "Billy" certainly gets the business.

Wm. Haerle has quite recovered his health and is in harness again. Roses are a little scarce here and promise well for Christmas. He has a house of about 1,000 azaleas in fine trim and early and late lilies look promising. In the orchids, Cattleya Percivaliana, C. Trianae and Dendrobium formosum are flowering fairly and sell readily.

At Wright's Flower Shop business has been very brisk and considerable alterations had to be made to the store to make room for the Thanksgiving trade.

H. N. Gage reports wholesale business as good and his Thanksgiving orders above the average. He is sending in a fine cut of Narcissus Paper White from outdoors.

H. R. R.

WINSTED, CONN.—John David is erecting a greenhouse at his residence on Roberts avenue, Mooreville. He intends to raise plants for spring planting.

We Are Now Cutting an Exceptionally Good Grade of

Richmond and Beauties

and Other Roses

in all the leading varieties, which for quality excel all others to be found in this market.

CURRENT PRICE LIST			
American Beauties,		Per 100	Per 100
Extra Long stems.....	\$5 00	Killarney, select.....	\$6 00 to \$8 00
36 inch stems.....	4 00	medium.....	5 00 to 6 00
30-inch stems.....	3 00	Mrs. Marshall Field, select.....	6 00 to 8 00
24-inch stems.....	2 00	medium.....	5 00 to 6 00
20-inch stems.....	1 50	Perle, select.....	6 00 to 8 00
15-inch stems.....	1 25	medium.....	5 00 to 6 00
12 inch stems.....	1 00	Bride select.....	6 00 to 8 00
Short stems.....	\$4 00 to \$6 00 per 100	medium.....	5 00 to 6 00
Per 100		My Maryland, select.....	6 00 to 8 00
Richmond, select.....	\$6 00 to \$8 00	medium.....	5 00 to 6 00
medium.....	5 00 to 6 00		
		Ivory, select.....	\$6 00 to \$8 00
		medium.....	5 00 to 6 00
		Sunrise.....	5 00 to 8 00
		Carnations.....	3 00 to 4 00
		Valley.....	3 00 to 4 00
		Easter Lilies.....per doz.,	1 50 to 2 00
		Asparagus Plumosus,	
		extra quality...per bunch,	50
		Fancy Ferns.....per 1000,	2 00

ROSES, our selection.....\$ 4.00 per 100

Extra select.....10.00 per 100

Peter Reinberg,

35 Randolph St.,
CHICAGO.

Detroit.

THANKSGIVING TRADE.

Thanksgiving day trade though generally satisfactory and in most cases exceeding in volume that of a year ago, brought many surprises to the dealers. The prevailing scarcity of violets the week or ten days previous caused much concern as to the supply for the holiday, which a year ago brought an unprecedented demand for these flowers, but this year their popularity was not maintained to the extent expected and no fancy prices were heard of and many florists had quantities of the product of Rhinebeck and Poughkeepsie, N. Y., on hand when the demand was entirely satisfied. American Beauties and high-priced roses of all varieties shared the same fate for on this occasion the chrysanthemums were indeed queen and the whole week brought in the very best blooms of the season and the highest wholesale prices for many years were realized to the delight of the growers. Correspondingly the retailers moved them at satisfactory figures. The weather was not favorable to the situation as it rained heavily much of the time Wednesday and all day Thursday and this undoubtedly was responsible for deterring many from patronizing the florists' shops and much of the good stock of pot plants prepared for the occasion was left unsold. Carnations were very scarce but sufficient stock was available for the limited call for them.

FLORISTS' CLUB MEETING.

The Florists' Club meeting on Monday evening, November 21, was fairly well attended, and those who braved the inclement weather to be present were well repaid, as the proceedings were more than ordinary. The chief subject on the program was a paper on "Sweet Peas" by Fred Pautke, of Grosse Pointe Farms, Mich. Mr. Pautke has a well merited reputation as a grower of this popular flower, and his address was able, concise, instructive, interesting, and he stood the fire



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

of the frequent questions directed at him for over half an hour, as all the growers present were eager to learn the cultural instructions that only a successful grower can give. About eight years ago he grew in one season a crop of sweet peas that numbered 250,000 blooms, all of which were sold for \$1.25 per hundred. That was his banner year, which he has never since equaled. A hearty vote of thanks was given Mr. Pautke, who promised to give publication through trade papers of the chief points of his address. Ex-President E. A. Scribner gave an interesting review of the trade exhibit given last Friday at the Michigan Cut Flower exchange, and the discussion of this gave rise again to the hopes entertained by many that an attempt will

be made a year hence to hold a public Flower Show.

The death recently of one of the club's oldest members, Henry Fruck, was announced, and a committee composed of J. F. Sullivan, Frank Danzer and E. A. Scribner was appointed to draw resolutions expressive of the club's deep sorrow. Three applications for membership were received and the treasurer gave a report of the club's financial strength. The cigars were passed in the name of A. J. Stahelin, who was married recently. J. F. S.

ST. LOUIS, Mo.—Robert Winkler is building a greenhouse 25x100 feet on his property at No. 1720 Hunt avenue, Wellston.

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

All other seasonable stock, such as **'MUMS and CARNATIONS** in good supply.

CURRENT PRICE LIST

American Beauty	Per doz.	Killarney, fancy	Per 100	Carnations	Per 100
Long stem	\$4 00	select	\$8 00 to \$10 00	Valley	3 00 to 4 00
30-inch stems	3 00	medium	4 00 to 5 00	Easter Lilies	12 00 to 15 00
24-inch stems	2 50	Bridesmaid, special	6 00 to 8 00	Sprengerl.	per bunch, 25c to 35c
20-inch stems	2 00	medium	4 00 to 5 00	Asparagus Plumosus,	
15-inch stems	1 50	Bride, special	6 00 to 8 00	extra quality per bunch	50c
12-inch stems	1 25	medium	4 00 to 5 00	Fancy Ferns, per 1000	2 00
		My Maryland, select	8 00 to 10 00	Chrysanthemums	per doz., 1 50 to 3 00
		medium	4 00 to 5 00	Wild Smilax	per case, 5 00
		ROSES our selection	4 00	Violets	1 00 to 1 50
		CATTLEYA LABIATA, per doz.	\$7 50 to \$9 00		

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Davenport, Ia.

Thanksgiving has left a good feeling with the florists. Trade, while not like Easter or Christmas, was generally satisfactory and the entire week showed good stiff business. Several of the largest weddings took place this week, calling for a vast number of flowers, as also several funerals of prominent people. Chrysanthemums were in the lead with a good supply of locally-grown stock of excellent quality, the yellows being the most called for. Roses and carnations cleaned up with a shortage of the latter which seems to be rather slow in getting down to business. There was also a shortage on violets, due mainly to the fact that the pre-nuptial events of the past week called for a very large number of them. Thanksgiving weather was all that could be asked for, the glass hovering around 50° all day, making it fine for the delivery boys.

FLORIST CLUB MEETING

The Tri-City Florists' Club held their November meeting at the home of Superintendent C. O. E. Boehm at Central Park on the evening of November 17 with nearly every member present. The Club met early in the evening, so they could inspect the chrysanthemums in the show houses of the park, where the annual show is now being held. The show is up to its high standard and attracts a great number of people every day. Some 124 varieties are grown here, and this attracts the member's attention as he can see what varieties are suited to his business and those that are not. A large number of single chrysanthemums are shown this year, and seem to take well with the public in general. After spending at least two hours in looking over the fine display the members met in the refectory where the business meeting was held. Christmas greens was the topic for discussion, and greens in general for the florists' use. Several members took in the Chicago show and told the members of their trip. They were all disappointed with the display in general, claiming that there were too few that seemed to take interest in the show as they should. The president appointed a committee

"The Busiest House in Chicago."

Our customers received their orders in full for
Thanksgiving. If you did not fare so well, write

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

of five, with Harry M. Bills as chairman, to make arrangements for the annual banquet, and to report at the next meeting. After accepting Henry Gaethje's invitation to meet at his home in Rock Island December 8 the members adjourned into the dining room, where an elegant five course hot supper was served, the boys all voting Mrs. Boehm the queen of cooks. After supper the members were entertained with music and vocal solos, cigars and a glass, and a good time in general. The meeting was without doubt the best in the past year, and brought the members to a better social standing among themselves than anything else could have done. Mr. and Mrs. Boehm were given a hearty vote of thanks.

NOTES.

One thing noticed quite often of late (in fact, too often) in the obituaries of prominent people was the phrase, "Friends are requested to send no flowers." This might not be so bad in the case of a poor man, but when the parties concerned are very wealthy it is surely robbing the florist of a chance to make an honest living.

It is not every man that is able to read his own obituary, but Theodore Ewoldt had that experience last week. His obituary was printed in one of the leading dailies, causing a great deal of annoyance. An Ewoldt had died but the name was Hugo, and no relation of the florist.

The members of the club missed the pleasant smile of Wm. Knees at the meeting November 17, Mr. Knees being on the sick list and unable to be about.

Members of the craft will be pleased to learn that Mr. Davis, the cucumber man, is about again, after spending over ten weeks in the hospital.

Uncle John Temple's alarm clock was the cause of his not going to the Chicago show. It failed to awaken him and he missed his train.

Henry Pauli handled one of the largest weddings of the season November 21, which cut an awful swath in his chrysanthemums.

Harry M. Bills and wife, C. O. E. Boehm and Miss Woltman were recent Chicago visitors.

T. E.

HORSEHEADS, N. Y.—Earl Shults has recently completed the erection of a greenhouse in which he has already a quantity of carnations and other plants which he is growing for local trade.

ELMIRA, N. Y.—Work was begun November 19 on the addition to the greenhouse plant of the United States Cut Flower Co., on the north of the city. This addition of 25,000 feet of glass will greatly increase the size of the plant, which now has 159,000 square feet.

Cut Flowers * E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: **DES PLAINES, ILL.**
Store: 51 Wabash Avenue **CHICAGO**

Percy Jones

60 Wabash Ave., **CHICAGO**

Baltimore.

TRADE ACTIVE.

The fine weather continues, this being the typical period of warm suns and hazy but inspiring airs designated as Indian summer. All this tends to social activity and pleasures, toward which the florist and decorator must contribute, and trade has been fairly active. The season of the chrysanthemum is nearly past and the late sorts begin to diminish in supply, whilst carnations are lacking in abundance. The curbstone vendors complain that prices are too high to give them much chance. Roses are in about sufficient evidence for the market's requirements and violets are overabundant. The single sorts, which for a good many years were entirely tabooed here, have gained a place in popular favor and now go off very readily. Thanksgiving day has never really been a flower day in this vicinity. Some of the churches use large chrysanthemums for decorations, but this is about the limit of the extra demand. But the festival has come to be here, as it has much longer been in other sections, a day for weddings, and this year it quite kept up to the record.

NOTES.

The meeting of the Maryland State Horticultural Society promises to be a great success, and the display of fruits, vegetables, nuts, etc., is large and varied. A number of other societies of kindred interests will also meet during the week. On Monday night President Richard Vincent, Jr., delivered a lecture on "The Bulb Fields of Holland." A banquet will be held November 30, when a number of distinguished men from the Capitol and the governor and mayor will be present.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Nov. 30.	
Roses, Beauty, extra select...	4 00
" " 36 in.	3 00
" " 30 in.	2 50
" " 24 in.	2 00
" " 18 in.	1 50
" " 15 in.	1 00
" " Short... per 100	4 00 @ 6 00
Per 100	
" Bride, Bridesmaid, select..	3 00 @ 8 00
" " medium	2 00 @ 2 50
" Killarney, select..	3 00 @ 10 00
" " medium and short	2 00 @ 3 00
" Kaiserin..	3 00 @ 10 00
" Mrs. Jardine..	3 00 @ 10 00
" Chateau..	2 00 @ 10 00
" My Maryland..	2 00 @ 10 00
" Perle..	3 00 @ 10 00
" Richmond..	3 00 @ 10 00
" Uncle John..	3 00 @ 10 00
" White Killarney, select..	4 00 @ 10 00
" " medium	2 00 @ 3 00
Carnations..	2 00 @ 3 00
" fancy..	4 00
Chrysanthemums... per doz.,	1 00 @ 4 00
Cattleyas... per doz.,	7 50 @ 12 00
Cypripediums..	2 00 @ 2 50
Gardenias... per doz.,	3 00 @ 4 00
Dendrobium Formosum	6 00
Lilium Harrisii... per doz.,	2 00 10 00 @ 12 00
Lily of the Valley..	2 00 @ 4 00
Narcissus... per doz.,	3 00 @ 5 00
Phalenopsis..	12 00
Stevia..	1 00 @ 1 30
Sweet Peas..	1 00 @ 1 50
Violets..	75 @ 1 00
Adiantum... per 100,	75 @ 1 50
Asparagus Plum, strings, each,	60 @ 75
" " sprays..	3 00 @ 4 00
" Sprengerii..	3 00 @ 4 00
Boxwood..	15 00
Ferns... per 1000,	1 50 @ 2 00
Leucothoe..	75
Mexican Ivy..	75 @ 1 00
Smilax... per case,	1 50 @ 2 00
Wild Smilax..	5 00

In the nurseries hereabouts and on many private places the evergreen euonymus is being attacked and in many instances quietly destroyed by a scale, which spreads with amazing rapidity. It has been observed here for many years, but only lately has it gained the destructive headway it now exhibits.

Stevenson Brothers, one of our foremost rose-growers, who have been occupying leased property at Govans, have purchased a desirable site of ten acres at Aigburth Vale near Towson, on the great thoroughfare where values are rapidly enhancing.

A new enterprise has been started here in the way of violet growing by E. A. Perry, formerly located in Philadelphia, who has secured land and built a number of houses near Dorsey, between this city and Washington.

S. B.

WIETOR BROS.

Wholesale **Cut Flowers**
Growers of

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., **CHICAGO.**

Mention the American Florist when writing



Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., **CHICAGO**

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., **CHICAGO.**

Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our
own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S.W. cor. Clark St.
H. Schuenemann, Capt. Bridge, **CHICAGO.**

Brampton, Ont.

At the Dale Estate greenhouses the roses and carnations are in fine shape and the first crop of violets from the long range is now being taken. Five new houses are about completed and these are to be devoted to palms and ferns. The supply business has developed remarkably during the year, necessitating the exclusive use of another delivery wagon. The growth of the business here is remarkable, the number of customers increasing daily. The office force has been permanently increased to seven. Chrysanthemums have not done as well as usual this year and there has been some trouble with the winter sweet peas, but otherwise all crops are excellent. H. R. R.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$80.00 per 1000
Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery December 16th. Satisfaction guaranteed.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Let us tell you what we know about them.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

50-lb. case

Wild Smilax

Best Quality, \$1.75.

Direct from shipping point,

PINE APPLE, ALA.

Your order placed with us will be filled promptly, properly, and to your entire satisfaction. When in need of best quality Smilax, write or telegraph

Henry M. Robinson & Co.
PINE APPLE, ALA.

Unknown customers, C. O. D. or cash with order.

Pittsburg.

BIG BUSINESS.

The volume of business done this Thanksgiving probably exceeds that of any previous year, in spite of the advance notices of no flowers to do business with. As a matter of fact, it did look as though there would not be much in flowers, but, as is always the case, there were enough flowers coming in to fill the orders, so we really cannot report a scarcity of anything, not even violets, which the Rhinebeck people led us to believe would be exceptionally scarce. There were plenty of chrysanthemums for everyone except on Wednesday afternoon, and Thursday there were no yellow and almost any price was offered for them wherever they could be obtained. Lily of the valley is still under cover and everyone is buying this in the East. A nice lot of stevia is coming in, which moves out satisfactorily.

NOTES.

Randolph & McClements had the decorations for a debutante November 27 which kept the whole force busy three days. A feature was a galax-covered crescent 12 feet long, covered with hothouse fruit.

John Madden has taken charge of the Penn avenue store of Randolph & McClements. John recently took a trip west as far as Los Angeles, Calif.

Mrs. Elicker's greenhouses were damaged to the extent of \$200 by fire, which is supposed to be of incendiary origin.

Some of our old-time friends in roses, including Bon Silene and Perle des Jardins are seen at the McCallum Co.

George Werheim, the Liberty avenue florist, reports a busy week with funeral orders.

Mr. Skipwith, of the Castle Grove Greenhouses, Danville, Pa., was a recent caller.

Walter Paul is now connected with a florist in East St. Louis. J.

LEXINGTON KY.—W. S. Bell has retired from the greenhouse business.

Wholesale Flower Markets

PHILADELPHIA, Nov. 30.		Per 100
Roses, Beauty, extra.....	15 00	25 00
" first.....	8 00	10 00
" Brides and Maids.....	1 00	5 00
" Killarney.....	1 00	6 00
" White Killarney.....	1 00	5 00
Cattleyas.....	60 00	75 00
Chrysanthemums.....per doz.,	50	3 00
Gardenias.....per doz.,	2 00	3 00
Lilium Harrisii.....	6 00	8 00
Lily of the Valley.....	2 00	4 00
Snopdragons.....	3 00	5 00
Violets.....	50	75
Adiantum.....	75	1 00
Asparagus.....per bunch,	50	
Smilax.....	15 00	20 00

PITTSBURG, Nov. 30.		Per 100
Roses, Beauty, special.....	20 00	25 00
" extra.....	12 00	15 00
" No. 1.....	6 00	8 00
" Bride, Bride's maid.....	1 00	6 00
" Chatenay.....	1 00	6 00
" Killarney.....	1 00	6 00
" My Maryland.....	1 00	6 00
" Richmond.....	1 00	6 00
Carnations.....	2 00	4 00
Chrysanthemums.....	3 00	25 00
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	4 00
Paper Whites.....	4 00	
Romans.....	3 00	
Sweet Peas.....	50	1 00
Asparagus Sprengerii, per bunch,	50	
" strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	
Cattleyas.....	60 00	

Cincinnati.

BUSINESS FINE.

Large amounts of stock were handled the past week. The first of the week the prospects for Thanksgiving looked slim, as everyone was clamoring for stock. As Thursday drew near the supply of stock increased and Wednesday morning saw so much on hand that it would seem almost an impossibility to move with a day's business. Still it went and by Thanksgiving Day everything worthy was sold. Chrysanthemums were as usual the flower for Thanksgiving. The varieties offered included Dr. Enguehard, Mrs. Jerome Jones, Mdle. Jeanne Nonin, White Bonnaillon and Major Bonnaillon. Roses are increasing in numbers but are none too plentiful, the demand being especially for pink. There is enough white roses and American Beauties to go around. Carnations are very scarce and many more could be used if they could be obtained. The market for lily of the valley is easy. There being plenty and an ordinary demand. Double violets are finding a steady call, but single violets are not blooming to amount to anything and hence are scarce, orchids are a rare article. Some callas, stevia and narcissus made their appearance a few days before Thanksgiving. They will undoubtedly begin to come in regularly in the near future. Sweet peas are also coming in. Lilium Longiflorum finds a good call. The green goods market is good and the supply sufficient for all demands. The weather for the past few days has been dark and cloudy. Now it is turning colder and the outlook for the next fortnight is rather slim unless chrysanthemums should hold out nicely.

NOTES.

The Bloodhurst bowlers from Lockland have stated informally that they

McCALLUM CO.

We are strong on
Good Beauties
and 'Mums.

Dagger Ferns, \$1.25 per 1000
Fancy Ferns, \$1.50 per 1000

Pittsburg :: Pa.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq.

PITTSBURGH, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

would like to meet a picked team from the Cincinnati bowlers. I assure them that the Cincinnati boys would be delighted to trim them at any time.

Albert McCullough, president of the J. M. McCullough Sons' Co., is furnishing lily of the valley for the cut flower department from his own private greenhouses

Tom Windram and son Charles are spending their spare time hunting around Mr. Windram's establishment at Cold Springs, Ky.

J. T. Herdegen's conservatory at Aurora, Indiana, caught fire recently when a nearby barn burned, with a loss of about \$100.

C. E. Critchell is receiving some fine chrysanthemums from the Leedle Rosary, Springfield, Ohio.

Gus. Kohlbrand, manager of Am-ling's, was in Cincinnati booking orders for Christmas.

Miss MacCarroll, representing D. Rusconi, covered the Kentucky towns the past week.

Wm. Murphy reports Thanksgiving business better than last year.

P. J. Olinger received his first sweet peas November 21.

John Walt spent Thursday at Columbus, Ohio.

The Bowling Club meets Monday, December 5.

H.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE— J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

FINE BUSINESS.

The wholesale dealers report they had the best Thanksgiving business that they have ever had. They say the business is increasing every year, and that if it keeps on this way it will seem more like Christmas. Chrysanthemums and roses were in great demand, carnations did not sell so well and violets are very scarce and sold higher than usual for the time of the year. The retail trade also reports that they had an equally good trade, and that they cleaned up everything they had in the way of stock. Yellow chrysanthemums were in good demand and were of good quality. Roses also sold well and carnations sold about the same as usual for the season, with violets scarce, and on the whole they are very well pleased with their business. As a result everything that came into the market Saturday morning was taken up early in the day, and the benches in the afternoon presented a deserted appearance.

NOTES.

A new concern, Arnold & Pedro, has started in business this week in the building corner of Boylston and Berkeley streets, formerly the Young Men's Christian Association building, which was burned and has been recently reconstructed. Geo. F. Arnold was formerly a florist at Winchester, and Mr. Pedro was with The Rosary on Clarendon street.

The firm of William E. Doyle, which went into bankruptcy last month, has made a settlement with the creditors and a corporation has been formed by W. E. Doyle, J. C. Cassidy and J. Rehill, who will carry on the two stores.

John G. Forbes, florist of Auburn-dale, who sold out his business last month, has moved into one of his houses on Lexington street.

H. C. W.

Cleveland.

Stock of all kinds is cleaning up daily, and everything is very much short of the demand. With no sunshine for nearly four weeks, which is nearly a record, the growers are only cutting a very small percentage of their usual supply. While a pretty fine cut was on the market for Thanksgiving everything sold out clean, and retailers find it a problem to fill orders since then as everything that looked like a flower was cut for Thanksgiving day. Stevia is arriving in small quantities and Paper Whites are in. Lily of the valley and violets are short.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Nov. 30.	Per 100
Roses, Beauty, best	35 00@70 00
" " medium	20 00@25 00
" " culls	4 00@ 5 00
" Bride, Bridesmaid	2 00@ 6 00
" " Extra	6 00@ 8 00
" Killarney and Richmond ..	4 00@10 00
" My Maryland	2 00@10 00
" Carnot	4 00@ 8 00
Carnations, select	2 10@ 3 00
" fancy	3 00@ 4 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Chrysanthemums	8 00@35 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Violets	75@ 1 00
Smilax	12 00@16 00

ST. LOUIS, Nov. 30.	
Roses, Beauty, long stems ..	20 00@70 00
" " medium stems	8 00@10 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	4 00@ 8 00
" Killarney	4 00@ 8 00
" My Maryland	4 00@ 6 00
" Richmond	4 00@ 6 00
Carnations	2 00@ 4 00
Easter Lilies	10 00@12 50
Adiantum	1 25
Asparagus Sprengerii	2 00@ 3 00
Smilax	12 50@15 00

CINCINNATI, Nov. 30.	
Roses, Beauty	per doz., 1 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" Golden Gate	2 00@ 6 00
" Killarney	2 00@ 6 00
" Richmond	2 00@ 6 00
" Pres. Taft	3 00@ 8 00
Carnations	2 00@ 4 00
Callas	10 00
Chrysanthemums	4 00@25 00
Lilium Longiflorum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus Sprengerii, per bch.	25
Smilax	12 50@15 00

MILWAUKEE, Nov. 30.	
Roses, Beauty	per doz., 1 00@5 00
" Bride, Bridesmaid	3 00@ 8 00
" Killarney	3 00@10 00
" Richmond	3 00@10 00
" Perle	3 00@ 8 00
Carnations	3 00@ 5 00
Lilium Giganteum	per doz., 2 00
Lily of the Valley	3 00@ 4 00
Mums, fancy	per doz., 2 00@ 3 00
" small and medium	6 00@12 50
Snapdragon	2 00@ 4 00
Violets	1 00
Adiantum	1 50
Asparagus	per string, 50
" Plumosus, per bunch	35
" Sprengerii	35
Ferns, Fancy	per 1000, 2 00
Galax	per 1000, 1 50
Smilax	per doz., 1 75

The deaths of several prominent Cleveland people took all the better grades of American Beauties, orchids, lily of the valley and violets.

NOTES.

Guy Bates has invented an apparatus for fumigating greenhouses, for which a patent has been applied. It has proved such a success at the F. R. Williams Co.'s plant, of which he has charge, that it will be put on the market in the near future. C. F. B.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

William Murphy,

Wholesale Commission
FLORIST

Second-hand Galvanized Wire Stakes for sale.

311 Main Street, CINCINNATI, OHIO.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs,

All kinds of Florist Supplies

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

WARREN, O.—Adgate & Son have purchased a piece of property on East Market street, which they propose to remodel for use as a floral store.

CAMBRIDGE, MASS.—Alexander R. Robbins, the well known florist, who was recently married in New York City to Miss Mildred Saffron, has returned with his bride and is pleasantly located at 355 Massachusetts avenue.

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in Supplies.

New York.

Thanksgiving trade was fairly good all around, both wholesale and retail. Chrysanthemums, of course, were the main feature in cut flowers and it would be interesting indeed could we tell just how many of these flowers were handled, but that is one of the impossibilities. Prices for these were quite firm and at somewhat of an advance over what had been the rule for the week preceding. Yellow was the favorite color and seemingly countless thousands of Major Bonnaffons and Golden Chadwick were disposed of. Violets cleaned up remarkably well and at much better prices than were possible one year ago. Carnations cleaned out satisfactorily at good prices. Roses met with quite a good call and prices held up very well with all varieties except American Beauties. Some attempts were made to push the specials up to the half-dollar mark but these were unsuccessful. All other flowers were in good demand. Some dealers are of the opinion that this was the best Thanksgiving for business that there has been for a number of years. Friday, November 25, was miserably rainy and business was unusually dull all day, all of which had a depressing effect on values. Saturday came out clear and fine again, however, and trade resumed with marked activity and it rather looks as if we were in for a spell of steady business, with prices that are agreeable for all. Chrysanthemums are yet fairly plentiful, though not too much so to weaken the market, and there are not so many of the short, inferior grades as was the case one week ago. Roses are doing very well indeed, Killarneys, Richmonds and other teas of the ordinary run of stock selling well. Special American Beauties are not bringing as good prices as usual and the call for these is not as good as it is with other roses, due, perhaps, to so many other long-stemmed flowers being available. Lilies have made a slight advance and a few callas have appeared in the market. Cattleyas are still anything but numerous and we have heard of \$1 each being reached for some that were unusually fine and cypripediums are selling well. Gardenias of various grades of perfection are coming in. The call for lily of the valley has weakened quite perceptibly and prices fluctuate. Sweet peas, not very plentiful as yet, are to be had in various degrees of length of stem and Roman hyacinths are a regular feature. The demand for smilax and asparagus is improving and better prices are the rule. Holly has begun to reach the city and oak leaves are gradually diminishing. Indoor greens will soon come into their own again.

NOTES.

The fourth annual ball of the Greek American Florists' Association will take place on Wednesday, January 18, in the Grand Central Palace. George Polygranos is chairman of the committee of arrangements and the tickets are fifty cents each. The previous dances given by this society have been very pleasant affairs and the one to be held in January will be well attended by the trade in general.

Siebrecht & Siebrecht is the name of a new firm of wholesale dealers who have located at 136 West Twenty-eighth street. The members of the firm are sons of two well-known growers and

dealers, W. H. Siebrecht, Astoria, L. I., and H. A. Siebrecht, New Rochelle. They expect to commence business about December 3.

A recent shipment of orchids to Ossining, N. Y., was three days in reaching its destination. Seeing that this town is about 35 miles from here it would seem that some other method of sending packages containing flowers would be in order; perhaps a parcels post system would relieve the situation considerably.

Chicago and Pittsburg offers of \$1.50 per 100 for violets to Hudson River growers has tended to reduce the supply coming here to quite an extent.

L. W. C. Tutthill, of the Horticultural Advertising Agency, is on a business trip to Chicago, Ill.

A. W. Henshaw, of the firm of Henshaw & Fenrich, was married recently. Particulars of the happy event were not forthcoming, though we believe it took place in Pittsburg, Pa. Congratulations are in order.

Kennedy & Hunter, seedsmen, 156 West Thirty-fourth street, do a retail florist business in conjunction with their seed trade. Since opening their establishment they have met with very gratifying success.

F. H. Traendly, of the firm of Traendly & Schenck, went to Boston, Mass., November 2 to attend a meeting of the National Flower Show committee, of which he is one of the members.

The directors of the Cut Flower Exchange have called a meeting for Saturday, December 3, at their office in Long Island City.

Buffalo.

FAIR BUSINESS.

Thanksgiving was all that could be expected. Flowers were equal to all demands and of good quality. Chrysanthemums never sold for as low a price as this year. Violets were not in oversupply and orchids, lily of the valley and gardenias were good sellers. Roses were good and in fair demand. Several dinners and receptions were a part of the week's work and kept all busy. The present week promises a busy one. Early decorations for department stores are in evidence. S. A. Anderson having 10 large ones this week. Chrysanthemums are about over with and from now on there is liable to be a scarcity of large flowers.

NOTES.

John Kramer has opened a very pretty and attractive store on Main street near Utica, which is in the Upper Main street section and in the vicinity of a fine residence neighborhood, also a rising business locality. The store is about twenty feet wide; with a depth of nearly 100 feet; with all modern improvements, and Mr. Kramer has furnished it in white, such as counters, showcases and the ice box. The other fixtures are in natural oak, with dark green walls, the whole making a very attractive store. Miss Gertrude Sauer, who is well known in the business, is in active charge, and from all indications a bright future is in store for the new proprietor.

The Florists' Bowling Club resumed business last Thursday with Chas. Sandiford, captain; Roland Cloudsley, secretary; Chas. Keitsch, treasurer. The best alleys in Buffalo have been secured and every indication points to

Important
Announcement

Growers Listen!

I can use every potted plant you have in my holiday trade.

Bring along at once everything you can spare that is good, and

"I will do the rest."

C. C. TREPEL,

LOESER'S BLOOMINGDALE BROS.
BROOKLYN. NEW YORK.

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTS
Receivers and Growers of Cut Flowers.
Consignments Solicited.

JOSEPH J. LEVY

(Successor to John Seligman & Co.)

WHOLESALE FLORIST

Telephone Madison Sq. 4878,
56 West 28th Street, New York

a pleasant winter, with the hope that games with Rochester and Cleveland may be had this season.

S. A. Anderson had the men of his store and greenhouses at his residence for dinner recently to have a yearly visit, and more particularly to name the new begonia which so far has been the talk of all the local growers who have seen it. The name and full description will be officially announced later.

Visitors: Arthur Zirkman, of M. Rice & Co.; Martin Reukauf, of H. Bayersdorfer & Co., and — Lake, all of Philadelphia, Penn.; H. J. Wise, Erie, Pa. BISON.

PROVIDENCE, R. I.—The Rhode Island Field Naturalists' Club visited the greenhouse of the J. A. Budlong Sons & Co. Saturday, November 12, and were shown through the large greenhouse range of this concern, and inspected the manner of propagating, grafting and growing the roses, carnations and other stock.

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42 West 28th Street,
 To out-of-town florists
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 And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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NEW YORK, Nov. 30.	
Roses, Beauty, special.....	20 00@30 00
extra and fancy.....	10 00@15 00
No. 1 and No. 2.....	3 00@4 00
Bride, Bridesmaid, special.....	5 00@8 00
extra and fancy.....	4 00@5 00
No. 1 and No. 2.....	2 00@3 00
Killarney, My Maryland, spl.....	6 00@8 00
extra and fancy.....	4 00@5 00
No. 1 and No. 2.....	2 00@3 00
Carnations.....	2 00@5 00
Chrysanthemums..... per doz.,	75@3 00
Cattleyas.....	40 00@75 00
Gardenias..... per doz.,	75@4 00
Lilium Longiflorum.....	6 00@8 00
Lily of the Valley.....	2 00@3 50
Narcissus P. Whit.....	2 50@3 00
Roman Hyacinths.....	2 00@2 50
Sweet Peas..... per doz. bchs.	75@1 50
Violets.....	50@1 00

BUFFALO, Nov. 30.	
Roses, Beauty, special.....	75 00@35 00
fancy.....	20 00@25 00
extra.....	15 00@20 00
No. 1.....	10 00@12 00
No. 2.....	4 00@10 00
Bride, Maid, Killarney.....	4 00@10 00
Kaiserin.....	4 00@
Pres. Carnot.....	4 00@
White Killarney.....	4 00@10 00
Carnations.....	2 00@4 00
Chrysanthemums.....	10 00@20 00
Pompons, per bunch, 25@	35
Callas.....	10 00@12 00
Lilium Longiflorum.....	10 00@15 00
Lilium Speciosum.....	3 00@4 00
Lily of the Valley.....	4 00@5 00
Mignonette.....	3 00@4 00
Narcissus Paper Whites.....	2 50@3 00
Snapdragons.....	3 00@5 00
Stevia.....	1 00@1 25
Sweet Peas.....	50@75
Violets.....	1 00@1 25
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch, 35@	50
Asparagus Sprengeri.....	35@50
Asparagus Str.....	50@60
Ferns..... per 1000, \$2 00	
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

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Imported Magnolia Leaves \$2.00 per hamper
Boxwood Sprays, very best quality 15c per lb.

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Immortelles 14c per bunch
13c per bunch in case lots, 125 bunches in case

It will pay you to buy from us, as you will save money on every article you buy.

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WE NEVER DISAPPOINT.

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FANCY FERNS, \$1.50 per 1000

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze \$1.00 per 100; \$7.50 per 1000
Boxwood per bunch, 35c; 50-pound case \$8.50
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All phone connections.

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Thanksgiving Specialties

Galax, Ferns and Leucothoe

Per 1000
Green and Bronze Galax, ... \$0.50 or \$4.00 per case of 10,000
Dagger and Fancy Ferns,80 or 3.50 per case of 5000
Long Green Leucothoe Sp'ys 2.00 or 3.50 per case of 2000
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Wire us at Elk Park, N. C.

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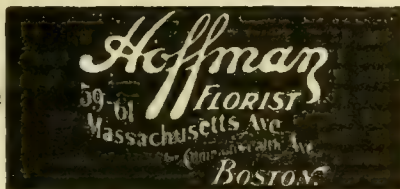
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New York—International Floral Assn.
New York—Alex. McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
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Orders will be well cared for anywhere in
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The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

BURPEE's catalogue for 1911 is on the press.

VISITED CHICAGO: W. Atlee Burpee, Philadelphia, Pa.

GRADUS peas are reported selling in England at \$12 per bushel.

THE present attitude of the Chicago dealers in onion sets is one of hope.

SWEET PEA varieties are now listed to the number of 702 in America and Europe.

GLADIOLUS EUROPA, the new white, is offered by the introducer, Wilhelm Pfitzer, of Stuttgart, at \$2.50 per bulb.

LILY OF THE VALLEY pips are a short crop and higher, the new price an advance of four to five marks per thousand.

GREENPOD beans are again scarce with the principal growing establishments and advances may be looked for in this class of goods.

THE last from the Red Top grass seed district is that it is nearly out of the farmers' hands, more so than for many years at this season.

CHICAGO.—Prices on the board of trade November 30 for grass seed were noted as follows: Timothy, \$8.50 to \$9.50 per 100 pounds. White clover, from \$22 to \$28.

THE call for garden varieties of peas continues unabated. Most of the seed houses answer the questions regarding peas by saying, "We expect to have enough for retail wants."

NEW YORK.—Holly, of the grade for fancy trade, will be scarce and holly brokers have to look farther south than usual for their supply. Even commission grade will hardly be in over supply.

BOUQUET GREEN in bulk at Chicago is very scarce and if offered at all is at \$10 to \$12 per crate of 100 pounds. New York reports the market very bare, while Pittsburg is using the western market at the fancy prices mentioned above.

Experts Can Not Agree On Seed Tests.

We enclose herewith some reports on orchard grass, which are very important; probably more so than the reports on tests of the Canada blue grass, published in THE AMERICAN FLORIST of November 26, page 900.

HENRY NUNGESSER & Co.

REPORT ON SAMPLE ORCHARD GRASS FROM THREE DIFFERENT TESTING STATIONS.

	1.	2.	3.
PURE SEED.....	86.11%	86.80%	67.22%
INERT MATTER	13.10%	12.50%	31.10%
FOREIGN SEED.....	0.79%	0.70%	0.68%

APPROXIMATE NUMBER AND PERCENTAGE OF FOREIGN SEEDS PER POUND.

	Number	Number	Number
		*Present	
Velvet Grass	4950		No weed seeds present.
Soft Chess	225		
Cat's-ear	225		
English Rye	675	Present	
Kentucky Blue	450		0.68 includes sand, dirt, etc., and other foreign seeds.
Ferkelkraut	6525	Present	

*The word present indicates that the seeds against which it is written were found, but that there was no quantity stated.

Holland Bulb Exports.

The following statement, showing the quantities of bulbs exported from the Netherlands in 1908 and 1909 in kilos of 2.2 pounds, is furnished by Consul Frank W. Mahin of Amsterdam, according to the Horticultural Trade Journal (English):

Country.	1908	1909
France, Belgium, Italy, Spain, Portugal and Greece	743,000	945,100
Germany and Austria....	4,179,100	4,733,500
Russia	429,700	519,100
Scandinavia	1,183,200	1,709,400
United Kingdom	5,028,600	6,478,800
United States	2,730,000	3,483,200
All other countries.....	38,900	53,400
Total	14,352,500	17,922,500

An Irish Seed Contract.

James Dunn, Tyrconnolly, Donemana, sued Robert Smith, Liscleen, Donemana, to recover £20 damages alleged to have been sustained by the complainant, owing to a breach of warranty given by the defendant in the sale of grass seed.

The plaintiff's evidence was to the effect that in April, 1909, he purchased five bushels of grass seed from the defendant, and one-half of this quantity he took possession of at once and sowed in one of his farms. This yielded a good crop, but the remainder of the seed which he received from the defendant later, and which was sown in his other farm in the adjoining townland, did not grow at all. He estimated his loss at £14 or £15.

Mr. Moody said his case was that the grass seed in respect of which

the complaint was made had not been sown at all.

James Holmes, a witness on behalf of the complainant, spoke of having seen the land harrowed and rolled. He believed the complainant sowed the seed.

The complainant's servant, who was also called to give evidence on behalf of his employer, said the weight of the quantity of grass seed sown in a field containing 2½ acres was twenty pounds, in his opinion, and he had carried it on his back.

His Honor—It was not a very healthy sprinkling. You may go down. You have not helped your employer's case much, I am afraid.

The defendant's evidence was that he received no complaint about the seed until he served the complainant with a writ in connection with another matter. Dunn had been drunk in Donemana fair on one occasion, and it was then he complained about the seed, and threatened to take an action against defendant.

His Honor dismissed the case on the merits. The only evidence before him, he said, was that twenty pounds of seed had been scattered over a large area.—Tyrone Constitution.

In view of the agitation which is being fomented in some quarters to obtain an alteration of the law doing away with the non-warranty clause, and making the seedsman directly responsible for the crop, this case has a peculiar interest. We have several times pointed out that in addition to the vagaries of weather and season, the seedsman might be made liable for a crop failure in cases where, through ignorance—or worse—his seed had either never been sown at all or

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California



Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Peas and Beans

We are Growers for the Wholesale Seed Trade.

When in the market ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Seeds Fresh Seeds

"For Early Sowing."	Trade pkt.	Oz.
Salvia, Clara Bedman. "Bonfire".....	30.25	\$1.25
Salvia, Splendens.....	.15	1.00
Verbena, S. & I. Choice Mammoth		
Mixed.....	.25	1.50
Verbena, S. & I. Choice Mammoth,		
separate colors.....	.25	1.25
Lobelia, Crystal Palace Compacta....	.25	
Lobelia, Speciosa (Trailing).....	.15	
Begonia Luminosa, fiery dark scarlet....	.40	
Begonia Vernon.....	1-16 oz., 50c	.25
Petunia, Giant of California.....		
.....	1-16 oz., \$2.00	.50

Asters (Vick & Hill grown). See catalogue.



Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia, Pa.

Send for our new catalogue.

under such conditions that a profitable crop was practically impossible.—Editor Horticultural Advertiser, November 9, 1910.

Imports.

During the week ending October 29, imports were received at New York as follows:

Henry Nungesser & Co., 315 barrels and 200 bags seed.

Aug. Rolker & Son, 168 cases plants. Peter Henderson & Co., 130 bags seed and four cases bulbs.

Ralph M. Ward & Co., 121 packages plants and trees and 63 cases plants.

H. Frank Darrow, 98 cases plants. McHutchison & Co., 73 cases trees and shrubs and 46 cases plants.

F. B. Vandegrift & Co., 48 cases plants, 26 bags seed and seven cases bulbs.

Vaughan's Seed Store, 11 cases plants and 28 cases trees and shrubs.

J. M. Thorburn & Co., 30 barrels seed.

Julius Roehrs Co., 23 cases plants.

Wm. Elliott & Son, 17 cases bulbs.

MacNiff Horticultural Co., six cases bulbs.

John Scott, four cases plants.

To others: 1,575 packages plants, trees and shrubs and 223 cases trees and shrubs, 1,431 bags, 1,124 barrels and seven cases seed, 824 cases, 33 barrels, 16 packages and five boxes plants, 87 cases bulbs, 86 trees in tubs and one case orchids.

The Black Tulip.

Among those May-flowering tulips grouped under the title of Darwin varieties there are several remarkable for the intensity of the dark coloring, say The Gardeners' Magazine, and one of these has quite frequently been referred to as the Black Tulip. This is the variety correctly named The Sultan, and one that is fine for spring bedding, especially in association with orange, crimson, and yellow varieties, or grown over a groundwork of bright polyanthus. It is sufficiently cheap to be planted freely, and it is a grand tulip, growing from two feet to three feet high, and carrying its shapely blackish-maroon flowers on stout, erect stems. The variety has obtained an award of merit from the Royal Horticultural Society, and was a conspicuous feature in the society's trials of tulips held at Wisley a few years ago. Zulu and Philippe de Caminet are other very dark varieties belonging to this class, but they are rare, more expensive, and the coloring is purple-black.

LITTLE FALLS, MINN.—A. E. Herrick is closing his greenhouses on account of ill health and says there is a good opening in this town for a florist.

PHILADELPHIA, PA.—Carl Dittich has been granted a permit to erect three greenhouses on the northwest corner of Mulberry and Devereux streets.

Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for present delivery
In case of 1000 pips..... \$9.00 per 1000
In case of 3,000 pips..... 8.00 per 1000

J. M. THORBURN & CO., 33 Barclay St., NEW YORK.

Mention the American Florist when writing

Lilies of the Valley

Brun's Celebrated

Chicago Market Brand

Finest Valley for Xmas Forcing.

\$15.00 per 1000. \$1.75 per 100.

(Cold Storage Valley sold out.)

H. N. BRUNS,

3040 Madison St., CHICAGO.

Mention the American Florist when writing

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kafir Corn, \$1.50	Yellow Bird Millet, \$1.75
Fancy Hemp Seed, 2.75	Bird Vetches, 2.25
Sicily Canary Seed, 2.62	German Bird Rape, 3.50
Canada Field Peas, \$1.50 per bushel.	Red Bird Millet, 2.25

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. J. BOLGIANO & SON, Importers and Wholesalers, Baltimore, Md. Established for 92 years.

Mention the American Florist when writing

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

There are many lily bulbs imported into this country from Japan to sell at low prices—they are usually the "leavings" after selected bulbs have been sorted out. There are growers who want cheap stuff and it is the same in every business, the cheap and the high class element. **Horseshoe Brand** bulbs are not intended for the cheap element because they can't be sold at prices to compete with the "leavings". The Japanese call them the "Rubbishes". Now these so-called "Rubbishes" may not be bad bulbs, but it is sure they are not the best, and we maintain that the best are the most economical to force.

Just ask the man you buy from where he gets his bulbs, the same as you would your coal dealer when you want good coal. We are direct importers of the very highest class of Japanese lily bulbs and if you want good bulbs you can get them here. Any quantities, almost any sizes, and varieties on the market.

Prices Reasonable.



Ralph M. Ward & Company

"Not How Cheap—But How Good." 12 WEST BROADWAY,

NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 505 Illinois Life Building, Louisville, Ky., Secretary; M. L. Kuetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

The Virginia Truck Experiment Station.

Abstract of a paper read by Prof. T. V. Johnson at the Greenhouse Vegetable Growers' and Market Gardeners' Association convention at Grand Rapids, Mich.

The Virginia Truck Experiment Station was opened for work in the fall of 1907, but owing to construction of buildings and preparation of land real investigations were not started until the summer of 1908. The soils in tide-water Virginia contain a large percentage of sand with a liberal admixture of loam and clay, sand predominating in the better trucking soils. The soils consisting of clay and loam do not respond so readily to cultural conditions and the preponderance of sand has a tendency to render the soil very porous and to reduce the accumulation of humus or organic matter. The elevation above sea level varies from five to twenty feet. This causes the water table in the soil to remain comparatively near the surface. The crop rotation practiced by many of the farmers has had a tendency to reduce the humic condition of the soil to a dangerously low point and this condition has led to the universal use of a large quantity of commercial fertilizers in addition to such natural fertilizers as stable manures, cover crops, leaf mould, etc.

The Station has inaugurated a series of experiments intended to determine the most satisfactory kinds of commercial fertilizers to use, also, the best sources of the fertilizer materials, and the relation that should exist between the commercial fertilizers and the stable manure or other manure of organic sources that might be used. An extended system of plat test has been inaugurated and results already obtained, but it will require some time to get a satisfactory solution for the problem. The residual, or after effects of these fertilizers, is a problem of no mean proportions. The tide-water soils are practically all more or less acid in reaction, hence a fertilizer in combination with acid forming radical has a tendency to increase the acidity, while those in combination with bases would minimize this tendency. These conditions have in some cases led to physiological troubles which for a want of a better name, have been styled malnutrition diseases. It has been found that the disease appears in its most malignant form on such crops as cabbage, spinach, cucumber, etc., on soils where the humic condition has been reduced to a low percentage, and where commercial fertilizers have been used more extensively than the amount of organic matter in the soil would justify, and in some cases, the acid forming elements in the fertilizers have accumulated to such an extent, that from 3,000 to 4,000 pounds of lime per acre would be required to neutralize the acid in the soil to the depth of one foot. Experiments show, that by using fertilizers free from acid forming radicals, the amount of the disease may be materially decreased. The amount of rainfall has an important bearing upon the problem and has led to the conclusion that irrigation may be important as a means of con-

trolling the trouble and in order to test this problem out fully the Station is installing an irrigation plant.

Possibly 95 per cent of the truck grown in the Norfolk region is produced in the open field without glass and has created a demand for types of plants different from those used in greenhouses or cold frames, and the Station is making some specific trials in developing varieties or strains suitable for local conditions, which is well under way. The growing of strawberries is such an important industry that quite a little time is devoted to the study of varieties. The work on sweet potatoes is intended more for southern conditions, while that done on Irish potatoes is applicable throughout the entire country. The larger proportion of the seed potatoes is obtained at present from the north and have not given entire satisfaction and the Station is now testing seed from different sections of the country with the indications that new seed producing areas will be developed where tubers may be grown in fresh ground free from some of the diseases now prevalent in northern sections. Quite a number of experiments have been conducted in the control of diseases on cucumbers, cantaloupes, spinach and other crops in several ways, chief among them is the use of the spray pump, and some experiments along the line of seed from localities known to be free from disease which promise to be very successful. We have found it advisable to treat certain kinds of seed before planting, but cultural methods and crop rotations are also important factors in the control of these difficulties.

Insects of the aphid family cause more trouble to the truck growers than do any others, and a number of them are being studied to determine

their life history and especially to determine the host plant on which they feed while not on the crops. The problem of handling aphid on cabbage, kale and peas is practically solved, but the spinach aphid is somewhat harder to deal with on account of the habit of the spinach plant. During the last two seasons a large number of commercial spray materials have been tested on different truck crops some of the fungicides as might be expected, have actually injured the plants, while others have increased the yield as much as fifty per cent over that of the check plants.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawns

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn



ENGLISH, Best quality, arriving constantly.
Spawn is from
selected specimens } 25 lbs. \$2.00
 } 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
Pure Culture } 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 25 Barclay St.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

PEACOCK DAHLIA FARMS

Are not only the LARGEST IN THE WORLD but growers of the BEST COMMERCIAL VARIETIES in LARGE BLOCKS ABSOLUTELY TRUE TO NAME AND TYPE.

Write for Special Prices on

Arabella, Jack Rose, Nymphaea, C. W. Burton, Queen Victoria, Kriemhilde, Sylvia, Maid of Kent, Rose Pink Century, A. D. Livoni, Ethel Schmidt, Virginia Maule, Big Chief, Fringed 20th Century, 20th Century.

NEW FOR 1911. Dorothy Peacock, Mrs. J. Gardner, Cassatt, Golden Wedding, Eckford Century, Wildfire Century, Golden Century.

Send for List.

PEACOCK DAHLIA FARMS,

Postoffice: BERLIN, N. J. Farms: WILLIAMSTOWN JUNCTION, N. J.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Per 1000

Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Princepts	6 50
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Paper White Grandiflora, 13 cm. and up.....	9 00
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

Per 1000		Per 1000	
Chrysolora	\$ 7 00	Mon Tresor.....	\$11 50
La Reine.....	8 00	Rose Luisante.....	14 50
Prince of Austria.....	12 00	Thomas Moore	8 00
Rose Gris de Lin.....	8 50	Vermilion Brilliant	7 50
Single, finest mixed, all colors, for bedding.....	7 50		
Murillo, the most profitable tulip for florists' use for forcing; always in demand; a very profitable variety at the price we are able to offer it this year, viz.....	10 00		
Salvator Rosa	14 00		
Double, finest mixed, all colors, for bedding.....	8 50		

Hyacinths

Our stock of these will be found exceptionally fine.

Fine Named, our selection, best sorts (For list of varieties see wholesale list)	\$4 00 per 100; \$35 00 per 1000
Separate Colors, single, pink, white and blue.....	20 00
Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Miscellaneous

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition Case 200 bulbs..	\$15 00
Longiflorum Multiflorum. Case 300 bulbs.....	13 50
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1¼ in. in diameter, \$7 50 per 100	
Spanish Iris, named varieties, Belle Chinoise, British Queen and Darling.....	4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops, Single and Giant.....	4 50 per 1000
Gladiolus America, the finest of all Gladioli for forcing	35 00 per 1000
Spirea, in case lots of 100 bulbs: Japonica...	4 50 per case
Compacta Multiflora.....	5 50 per case
Pot-grown Lilacs, Marie Legraye and Chas. X.....	9 00 per doz.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

Chrysanthemum Novelties

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. :: :: :: :: ::

IN NEW CARNATIONS

I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for the best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalogue will be ready in December. Send for a copy. ::

CHAS. H. TOTTY,

Madison, N. J.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-Presi-
dent; John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June, 1911.

Conifers in the Arnold Arboretum.—III

The Carolina hemlock spruce, *Tsuga Caroliniana*, looks remarkably well and is fast attaining a considerable size. It is a most beautiful conifer and full of grace and beauty and it is very gratifying to see it doing so well, and so promising, so far north, as it extends in its wild state from Virginia to South Carolina. Patton's hemlock spruce, *Tsuga Pattoniana*, (*Tsuga Hookeriana*) which occurs in British Columbia and Northern California is behaving well in a sheltered situation, but is still in the juvenile state. *Tsuga Mertensiana*, which is distributed from Alaska to California is behaving similarly. The Japanese hemlock spruces, *Tsuga Sieboldi* and *Tsuga diversifolia*, are ornamental gems where they do well, and their behavior in the Arnold Arboretum is satisfactory. As a matter of fact all the hemlock spruces like shelter to be happy. Even our native hemlock spruce, *Tsuga Canadensis*, looks very unhappy if it is planted in bleak exposed situations. The hemlock spruces are all objects of much beauty, and those western hemlock spruces are exceedingly noble in adult age, and if they can be made to succeed under suitable environments in portions of the New England and northeastern states, they will be important arboricultural acquisitions.

Larix Kurilensis (*Larix Dahurica* variety, *Japonica*) is widely distributed from Siberia to northern China and Saghalin and the Kuril Islands north of Japan. It is said to be common in the island of Iturup, one of the Kuril Islands group. It looks healthy in the arboretum, but it is a slow grower, and has a thin branching habit and is perhaps of more botanical interest than horticultural value. *Larix Dahurica* is a much more beautiful and promising larch and is growing vigorously. The olive green foliage is very attractive. This larch is doing very well in the pinetum, Highland Park, Rochester, N. Y. It is distributed from the Amurland to Saghalin. *Larix leptolepis* from Japan is perhaps the most promising larch from the Orient or any part of Asia. It is growing with remarkable vigor in the arboretum, and is highly ornamental. The Japanese larch is said to be particularly promising in Scotland and other parts of the British Islands economically, as the European larch is said to be peculiarly susceptible to fungoid diseases during late years. It is however a smaller growing tree than the European larch. The Siberian larch, *Larix Sibirica*, which by some botanists is considered to be a form of the European larch, but is probably a good species is being established in the arboretum, but the plants are yet small. It forms vast forests in Siberia, and there seems to be no reason why it should not be an important tree in the northeastern United States.

What promises to be an important introduction amongst conifers in the

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae, 5 to 10 in.	\$1.50	12 to 36 in. \$1.00
White Spruce, 5 to 10 in.	1.50	12 to 36 in. 1.00
White Pine, 5 to 10 in.	1.50	12 to 36 in. 1.00
Sphagnum Moss, per bale	75c	10 bales, \$6.50.

Cash with order.

CHAS. F. UECKE, New London, Wis.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

arboretum is a hardy form of the Cedar of Lebanon; *Cedrus Libani*. About eight or ten years since Dr. Sargent arranged with a botanical collector in Smyrna for the collection of the cones of the Cedar of Lebanon at high altitudes in the mountains of Syria. This collector gathered the cones from trees at the highest altitudes where they were known to grow. From these seeds Dr. Sargent has raised a large number of seedlings and they have been planted out in the arboretum for a number of winters. Dr. Sargent pointed out to me a large group of them in a somewhat exposed situation where they had been planted out for several years, and they are certainly growing vigorously, and give every appearance of absolute hardiness. One noticeable feature of these young plants is that they throw up strong leaders from the very start, whereas my experience with the Cedar of Lebanon, as it is supplied from European nurseries, that it will form a bushy growth with a lot of equal leaders fighting for the mastery for a number of years, and it appears to be unable to stand the vigors of our winter. There is then every prospect, to believe at present, that this geographical form of the Cedar of Lebanon, which Dr. Sargent has procured, will be a most important introduction to many parts of the northeastern states.

JOHN DUNBAR.

ROSES

For Forcing.

We can now offer for prompt delivery, dormant stock for Easter forcing. Good stock is scarce this year so order early.

Try the two new Baby Ramblers:

Jessie, per doz., \$5 50; per 100, \$40 00
Phyllis, per doz., 3 00; per 100, 22 00
They are comers. Write for description.

Baby Ramblers

2-year per doz., \$2 00; per 100, \$14 00
3-year per doz., 2 50; per 100, 16 00
½ standard each 1 00; per doz., 10 00

Mrs. Cutbush

2-year per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year per doz., \$2 00; per 100, \$15 00
3-year per doz., 3 00; per 100, 18 00
Standards, 3 to 4 feet each 75c

Dorothy Perkins

2-year per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year per doz., \$3 50; per 100, \$25 00
Standards, 3 to 4-ft. stem each 1 00

Lady Gay

2-year per doz., \$3 00; per 100, \$20 00
Standards, 3 to 4 ft. stem each 75c

Tausendschon

2-year per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

2-year per doz., \$1 75; per 100, \$14 00
Anna de Diesbach, Magna Charta.
Baroness Rothschild, Mrs. John Laing.
John Hopper, Ulrich Brunner.

2-year per doz., \$2 00; per 100, \$15 00
Mrs. R. G. S. Crawford, Paul Neyron
and others.

Manetti

For December and January delivery.

	100	1000	5000
English per doz.	\$1 75	\$13 50	\$60 00
French per doz.	1 50	12 50	50 00

Hydrangea Otaksa

6 and 7 in. pot grown, 3 to 4 flowering stems
Per doz. \$5 00; per 100, \$40 00
7-in. pot grown 5 to 6 flowering stems
Per doz. \$8 00; per 100, \$65 00

Deutzias

	Per doz.	100
Gracilis, 7-in. pot grown	\$2 00	\$15 00
Lemoinei, 7-in. pot grown	2 50	16 00

Rhododendrons

Best named varieties for Easter forcing.

For December and January delivery.

	Each Doz.
Bushy, well shaped plants, 8-12 buds	\$1 00 \$9 00
" " " " 12-18 buds	1 25 12 00
" " " " 18-24 buds	2 00 20 00

All of this stock is freshly imported and very choice. Early orders receive first attention.
Prices are f. o. b. Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nursery,
Western Springs.

Lily of the Valley -- Cold Storage

For Christmas Flowering

Cold Storage Valley Pips will force naturally in about 21 days--- in a temperature of 58 degrees to 60 degrees or even less. Write or wire you orders at our expense

Price: \$1.75 per 100; \$3.25 for 250; \$6.50 for 500; \$12.50 for 1000.

ARTHUR T. BODDINGTON, Seedsman,

**342 W. 14th Street,
NEW YORK.**

Splendid Stock for the Holidays

Dreer's Unequaled Specimen Plants of Cocos Weddelliana.



*Adiantum
Farleyense.*

If you have not included specimen plants of Cocos Weddelliana in your Christmas stock before, you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3-inch pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100

5-inch pots, 18 to 24 inches high, splendid plants, 75c each.

7-inch pots, 36 to 42 inches high, grand specimens, \$2.50 each.

10-inch pots, 30 to 36 inches high, very stocky, well balanced plants, \$5.00 each.

Adiantum Farleyense.

In prime condition for use in hampers, made-up work, etc.

4-inch pots, splendid stock.....\$ 5.00 per dozen

5-inch pots, splendid stock..... 9.00 per dozen

6-inch pots, splendid stock..... 12.00 per dozen

Asplenium Nidus Avis Birds Nest Fern.

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine made-up work.

3-inch pots, 30c each; 4-inch pots, 40c each.

Platycerium Stemmaria.

A large leaved variety of the Elk's Horn Fern. This is new and out of the usual run, and will attract attention, good 6-inch pots, \$2.50 each.

HENRY A. DREER, Inc.,

714 Chestnut St.,

Philadelphia.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,
MORRISVILLE, PA.**

Hybrid Perpetual and Rambler Roses.

**Strong Forcing Stock for Florists.
Orders for fall delivery booking now.**

Jackson & Perkins Company, Newark, N.Y.

ROSES

A SPECIALTY.

**The Dingee & Conard Co.,
WEST GROVE, PA.**

Phoenix Nursery Company

**Nurserymen and Florists
BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Geraniums

S. A. Nutt.....\$11.50 per 1000.
Poitevine..... 14.00 per 1000.
Ricard..... 14.00 Per 1000.

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order or send ten cents for samples.

Coleus

Verschaffeltii\$6.00 per 1000
Golden Bedder 6.00 per 1000
Standards in assortment 5.00 per 1000

Giant leaved, the best collection in the country at \$1.25 per 100 or \$10.00 per 1000. Cuttings will be well rooted of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms cash.

A. M. HERR,
LANCASTER, PA.

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

"Lily Rash."

The subject of the irritation caused by living plants on the skin of human beings is attracting considerable attention at the present time among biologists and botanists. Dr. David Walsh has recently made an interesting communication to the "British Medical Journal" on the subject of the so-called "Lily rash," which attacks the flower pickers of the Scilly Isles, who have to handle immense quantities of daffodils and narcissi during the season of gathering the blooms. These are more or less subject to an irritating eruption on the hands and arms, and sometimes also on the face. Some workers escape the rash altogether, others are attacked once only; some individuals are so susceptible that they cannot touch the flowers. The most severe ill-effects are felt when the skin of the hands is cut or abraded. Some varieties of the genus narcissus are more powerfully irritant than others. The daffodil known as campanelle is the most irritant, followed by narcissus ornatus, N. gloriosa, the Scilly white, and N. Grand Monarque; but all other kinds may produce the same effect. Messrs. Bullocks, who have examined the plant at the author's instance, have not been able to isolate the irritant substance. The expressed juice of the fresh plants, an alkaloid extracted from them, and the essential oil obtained from the essence and pomade of jonquil, gave negative results when applied to the unbroken skin.

Cheap Decorative Stock.



DRACAENA FRAGRANS

8-inch pots, 30 to 36 inches above pot, nicely furnished that are sure to give satisfaction at \$18.00 per dozen. Order to-day. They will be just the thing for Xmas sales or for Decorating use.

Ask for our Complete Price List of Decorative Stock.

We have a fine lot of **Kentias**, **Latantias**, **Phoenix**, **Cocos**, **Poinsettias**, **Primulas**, etc.

Ask for our Nursery Catalogue.

The GEO. WITTBOLD CO.

L. D. Phone Graceland 1112.

737-739 Buckingham Place, CHICAGO.

Boxwood

We have just received a shipment of prime stock and can handle orders for prompt delivery.

BUSH BOX		Each	Doz.	100
	10 to 12-in.....	30c	\$3 00	\$20 00
	12 to 15-in.....	25c	3 50	25 00
	15 to 18 in.....	45c	4 50	35 00
	20 to 24-in.....	75c	8 00	

Prices do not include tubs.

PYRAMID

	Each	Pair	10%
2½-ft. high.....	\$2 00	3 75	
3 ft. high.....	2 50	4 50	
3½-ft. high.....	3 00	5 50	
4 ft. high.....	4 00	7 50	
5½-ft. high.....	7 50	14 00	

STANDARD

	Each	Pair
18 to 20 inch crown..	\$3 00	\$ 5 50
24 to 26-inch crown..	4 50	8 00

GLOBES

15x15-inch.....	\$2 50	\$ 4 50
18x18 inch.....	3 00	5 50

Prices . o. b. Western Springs.

We can also supply a few nice Bay Trees crowns, 26, 28, 30, 34 and 40-in.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nursery, Western Springs, Ill.



Prices include new green tubs. 10% discount if wanted out of tubs.

DELPHINIUM FORMOSUM Hardy Lilies

Tenallfolium, Wallacei, Hanson, Henryi, etc.
IRIS KAEMPFER, DAPHNE CNEORUM
and **GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

The juice and the tincture of fresh flowers, however, caused irritation when applied to a surface abraded with a needle, and the former was specially active in this respect. The actual cause of the action is not yet explained; it has been suggested that the raphides which occur plentifully in plants of the amaryllidaceae may play some part. The symptoms seem to be similar to those observed in many other cases of plant rashes, especially in the

Grand Rapids Greenhouse Co., The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

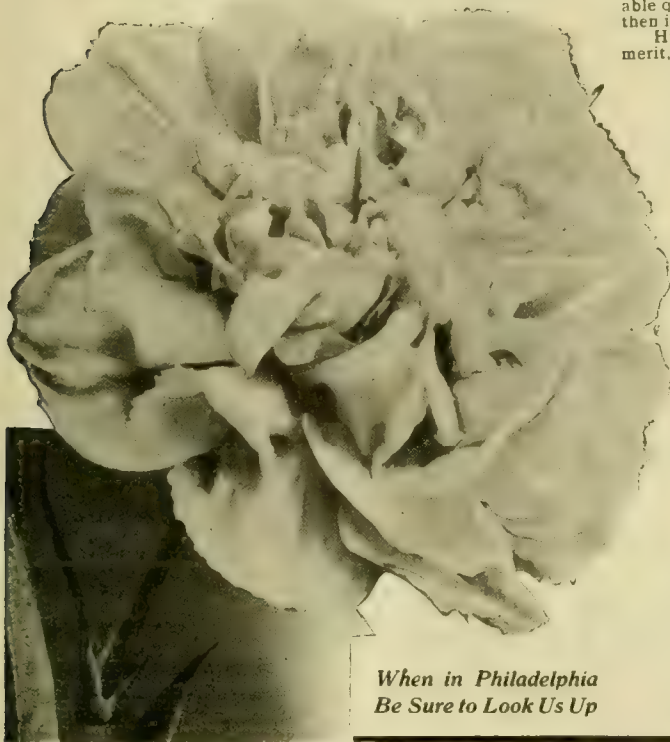
J. L. DILLON

WHOLESALE FLORIST

Bloomsburg, Pa.

immunity of some individuals and the extreme susceptibility of others.—Journal of Horticulture.

Carnation Dorothy Gordon—Orders Now Booked For More Than Fifty Thousand Rooted Cuttings



When in Philadelphia
Be Sure to Look Us Up

Last year, you remember, we told you about the great beauty and remarkable quality of our new seedling Carnation "Dorothy Gordon," which we were then introducing for the first time, after giving a very thorough trial ourselves. Hundreds of growers in all parts of the country became convinced of its merit, both through our advertising and by seeing the flower on exhibit at the various shows of the season, and we sold practically all the cuttings we could grow, up to April of this year.

That means that hundreds of progressive growers are going to make money this year, for we have proved "Dorothy Gordon" a money-maker—beyond all question the most profitable of the commercial carnations. These men are going to make money from the carnations they grow this year; now how about you?

Are you in line for your share of the profits from this splendid flower?

If not, you're going to miss something good this winter, but there's still a fine chance for you to "get in"—we're growing more rooted cuttings, and can fill your order, if placed at once. We have already booked orders for more than 50,000 this fall, so it is evident that this season's business will be a close second to that of last.

Carnation "Dorothy Gordon" is a seedling of Lawson on Enchantress and is a trifle darker than Pink Enchantress. It is vigorous, notably free from disease, and bears extra-large flowers of good substance, (averaging over three inches in diameter) in great abundance on long, stiff stems. These keep unusually well, and bring much higher prices than other commercial carnations—in fact, we have regularly found that a given quantity of "Dorothy Gordon" would yield just double the returns that could be realized from Enchantress, which we had grown extensively before taking up "Dorothy Gordon."

We quote on rooted cuttings of "Dorothy Gordon" as follows:

\$6.00 per 100; \$50.00 per 1000.

Orders should be placed early and will be filled in rotation. Write for particulars, or better still come and see "Dorothy Gordon" growing in our houses. Visitors welcome any week-day

JOSEPH HEACOCK COMPANY

Headquarters for Carnation Dorothy Gordon
—also Orchids, Palms, Roses

Railway Station: Jenkintown

WYNCOTE, PENNA.

A Grand New Carnation BRIGHT SPOT

Outclasses everything heretofore grown in the dark pink class.

Won first honors in the 100 class for best dark pink at the A.C.S. Meeting, Pittsburgh, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure bright dark pink of even shade, size $3\frac{1}{2}$ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, - - - \$ 12.00
Price per 1000, - - - 100.00

Price per 5000, - - - \$400.00
25 at 100, 250 at 1000 rates.

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL,

North Milwaukee,
Wisconsin.

Toledo, O.

Retailers and wholesalers have been satisfied with the business lately, selling chrysanthemums of course more than everything else, and looking forward with great expectation for a brisk Thanksgiving rush. The weather of late has been disappointing, no sun whatever, and chrysanthemums have been slow coming out. While the growers feared that they would not be able to hold the chrysanthemums back they have now less flowers than in other years, and there will be plenty to go around after Thanksgiving. W. H. Chadwick has been especially slow. The quality of roses and carnations is getting better every day, though the cut is small as yet. The prices for chrysanthemums have been satisfactory to the grower, and of this year's introductions, Donatello, Edmund Albe and Elise Papworth, which have made a pretty good record, more will be grown next year. Donatello is specially to be recommended, to follow the Golden Glow. It is a good substantial flower of fair size and does easy from any bud.

NOTES.

We paid friend E. Kuhnke a visit lately. He has certainly made a big improvement with his new shed, which has been built to last several generations. This shed is about 39'x125', I forget the exact dimensions, the side-walls being built of cement block with an extra heavy roof, the entire floor being cemented as far as it can be done. A shed large enough to turn around without falling over anything. Sheds have always seemed to me to be a weak point with florists, they never seem large enough to do the work without moving other stuff out of the way.

The last meeting of our club was again a very live one, same being held at Timm & Wirz's place, who served the boys with coffee and cake, which even our German friends present had to appreciate. Prizes were proposed for the second meeting in December for the best arranged 6-inch pot of flowering and foliage plants, one for the best pan of poinsettias, and one for the three best cutflowers of poinsettias. In order to make the club grow the ladies of the fraternity were admitted as members (now just watch for the debates we are going to have in the future).

In potted plants cyclamen and primulas take the lead, Schiller's place having the most, as these are his specialties; 40,000 cyclamen will be the next year's output, and they are now all up nicely and transplanting is in order. The cyclamen are here not sown broadcast or in drills and not planted as soon as they appear, but they are carefully sown one inch apart and have the advantage of becoming fairly strong before being transplanted the first time, and permits also all seeds that are going to grow to come up without being disturbed as cyclamen germinate very irregularly, some appearing within three weeks and some after six or seven weeks from sowing. About 1,000 primula obconica are grown in 4-inch pots for the purpose of testing the strains and many there are which have larger flowers than the best Chinese primulas, and when we look back to the obconica of 1888, what a wonderful improvement, and the end is not yet.

SCH.

FREEPORT, ILL.—John Bauscher, Jr., has made many improvements and greatly added to the size of his greenhouse the past year and now has something over 100,000 square feet of glass in which his plants are growing. He also bears the distinction of being the "champeen jiner" of the section of the state, belonging to 34 or 35 orders.

Seasonable Stock

Kentia Belmoreana, 2½-in. pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4-in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½-in. \$5.00 per 100; 5-in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Plumosus, 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000.

Primula Obconica Grandiflora, pink, red and white, 2½-in. pots, \$2.50 per 100.

Splrea, large forcing clumps. Gladstone, \$9.00 per 100; Queen Alexandra, \$12.00 per 100. Florabunda, \$4.50 per 100; Superba \$6.00 per 100; Blondin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica at \$4.00 per 100.

Begonia, Gloire de Lorraine, fine stock, nicely budded, just right for Christmas sales, 5-in. pots, 50c each, 6-in. pots, 75c each.

Poinsettia, In good shape for Christmas, 4-inch pots, single plants, 15c; 6-in. pans, 5 plants 60c.

Asparagus Sprengerl, Strong 5-in. pot plants 15c.

Heliotrope, Purple in five good varieties, \$3.00 per 100; \$25.00 per 1000.

Boxwood, Bush shape for window boxes or pot sale, very bright foliage and bushy. 10 to 12-in. high \$20.00 per 100; 12 to 15-in. high, \$25.00 per 100. Full line of sizes in both Pyramidal and Natural Bush forms. Prices on application.

THE STORRS & HARRISON CO., Painesville, O.

Pansy Plants Primroses

	Per 1000	Per 100		Per 1000	Per 100
Giant Flowering.....	\$2 60	\$0 50	Chinese, 2½-in. pot.....	\$12 00	\$1 50
Asp. Sprengerl, 2½-in. pots.....		2 00	Obc. Alba and Rosea.....		1 50
Vinca Var., from field.....		4 00	Obc. Gigantea.....		2 00

—Cash,—

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS Rooted Cuttings

On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly,

B. E. WADSWORTH, Box 224, Danville, Ill.

NEW CARNATION

Princess Charming

Color same as Enchantress, but a decided improvement on Enchantress. \$12.00 per 100; \$100.00 per 1000.

HENRY EICHHOLZ, Originator, Waynesboro, Pa.

Mention the American Florist when writing

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Geo. A. Kuhl,

WHOLESALE AND RETAIL
FLORIST,

PEKIN, : ILL.

Mention the American Florist when writing

Ferns for Dishes

2½-in Per 100 Per 1000
\$3.50 \$30.00
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

\$1.50 per 100, all 2-in. stock

Feverfew, Gem, **Ageratum**, **Salvia**, **Asparagus Sprengerl**; **Primula**, **Officialis** Hybrids; Hardy sweet scented cowslip; **Primroses**, **Obconica** **Alba**, **Lilac**, **Rubra** **Hybrida**, **Rosea**, **Carminaea**, **Sanguinea**; **Cuphea**.
Rubbers, 5-inch, 25c to close out.
Paris Daisy, yellow and white, 2-inch, 2c.
Hollyhock, Double, field grown, yellow, white, pink and red, \$2.25 per 100.

R. C., prepaid per 100:

Paris Daisy, yellow and white, \$1.00 per 100; **Cuphea**, 75c; **Double Petunia**, \$1.00 per 100; **Heliotrope**, 3 kinds, \$1.00 per 100.
Cash with order.

BYER BROS., Chambersburg, Pa

ASPARAGUS

Per 100
Asparagus Comorensis, 1-yr.-old clumps.....\$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
Fine stock for dividing up.

GEO. REINBERG,
35 Randolph Street, CHICAGO.

Boston & Whitmani Ferns

From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.
Superbissima, 5-inch, 20c; 6-inch, 35c.
Dracena Indivisa, 2½-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.
Cannas, in ten leading varieties, \$2.00 per 100. Write for special prices in large quantities.

W. W. COLES, Kokomo, Indiana.

Trade Directory

Of The United States and Canada
Price \$3.00.

American Florist Co., — 324 — Chicago
Dearborn St.,

Bobbink & Atkins

World's Choicest Florist and Nursery Products. RHODODENDRONS.

In all bright colors; fine forcing varieties; good value,
\$9 00, \$12 00, \$15 00, \$18 00 per doz.

CAMELLIAS. Well budded plants, variety of colors, \$15 00 \$18 00, \$24 00 per doz.

ACACIA PARADOXA. Fine plants, \$12 00, \$18 00, \$24 00 per doz.

Pot-Grown Forcing Plants.

	Per 100	Doz.
Azalea Mollis	\$35 00	\$4 50
Dentzia Gracilis	15 00	2 00
Lilac, Charles X. Marie Le Graye , extra size, for 8-9 in. pots		10 00
Malus, Flowering Crab		15 00
Dielytra Spectabilis	6 00	
Aucuba Variegated , for window boxes, 12-15 in.		4 00
Aucuba , fine plants, 18-24 in.		9 00

KENTIAS and BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

Nurserymen, Florists and Planters,

ROSES.

H.P., low budded, 2 yr., fine stock for forcing in pots, following varieties: \$15 00 per 100; \$120 00 per 1000.

Gen. Jacqueminot ,	Marie Baumann ,	Gabriel Luizet ,
La France ,	Frau Karl Uruschki ,	Magna Charta ,
Paeonia ,	Baroness Rothschild ,	Mme. Plantier ,
Ulrich Brunner ,	Mrs. John Laing ,	Mrs. R. G. Sherman ,
Baron Bonstettin ,	Gen. Washington ,	Crawford ,
Crimson Rambler , home grown, 2-year old, 2-3 ft.	Per doz.	100
well branched, own roots	\$2 00	\$12 00
2 year old, 2-3 feet, well branched, budded	2 00	12 00
3 year old, 3-4 feet, well branched, own roots	3 00	15 00
3 year old, 4-5 feet, well branched, budded	3 00	15 00
Dorothy Perkins , strong field grown	2 00	15 00
Baby Rambler , half standard, 30 in. high	9 00	
Lady Gay , 4-year old		15 00
Baby Rambler , dormant, field grown, selected, budded plants		16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10-12 inches, \$20 00 per 100; 12-15 inches, \$25 00 per 100; 15-18 inches, \$35 00 per 100.

RUTHERFORD, N. J.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C., \$1.00 per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

Roses in 200

sorts for immediate or spring delivery.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Asparagus Sprengeri

Good, Healthy Stock.

From 2 1/2-in. pots, \$4.00 per 100
In 1000 lots, 3.50 per 100

HOERBER BROS.

51 Wabash Ave., CHICAGO

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

Calla Elliottiana..

Largest size, \$20.00 per 100
2nd size, 15.00 per 100

The Leedham Bulb Company, Santa Cruz, Calif.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2 1/4-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

GEORGE GIATRAS,

463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers. FISHKILL,
New York.

Mention the American Florist when writing

D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement, page 504, Oct. 1 Issue

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

Rooted Carnation Cuttings

For December Delivery.

ENCHANTRESS, PERFECTION, BEACON, \$3.00 per 100; \$25.00 per 1000.

ROSE PINK and WHITE ENCHANTRESS, WINSOR, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co.,
JOLIET, ILL.

Mention the American Florist when writing

Carnations Rooted Cuttings

Our Leaders for 1911:

White Wonder,
Gloriosa,
Pink Delight,
Scarlet Glow.

Send for price list.

F. DORNER & SONS CO.
La Fayette, Ind.

Mention the American Florist when writing

Pansy Plants.

None better at any price \$2.50 per 1000; 5000 for \$10.00.
Daisies and Forget-me-nots, fine plants \$2.50 per 1000.
Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2 1/2-inch pots, \$2.00 per 100; \$5.00 for 300.
Violets, field grown, Lady Campbell to clean out, \$3.00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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 Brown A J Seed Co 952
 Buckbee H W 949
 Budlong J A 939
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J. Lichtenberger, 1564 Ave. A, NEW YORK. Telephone Lenox 5644.

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Is a Perplexing Question to all Florists

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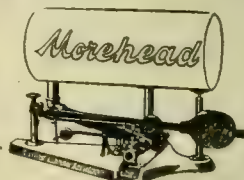
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¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist,

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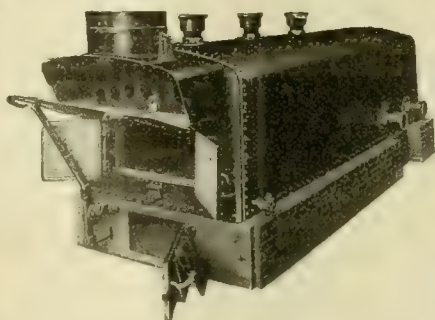
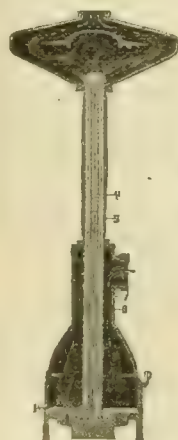
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MORE KROESCHELL BOILERS
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The Kroeschell Generator should be on every hot water heating system. It speeds up the circulation.
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 452 W. Erie St., CHICAGO

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10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

ALYSSUM.

Alyssum, dwf. and giant dbl., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veitchii, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengerii, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprengerii, 2½-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengerii, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengerii, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2-in., 2½c. Asparagus Sprengerii, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengerii, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengerii, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Asparagus Sprengerii, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengerii, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprengerii, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

AUCUBAS.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

BEGONIA LORRAINE, in 2-in., 12½c; 3-in., 25c; 4-in., 35c; 5-in., 50c; 6-in., 75c. AGATHA, 3-in., 25c; 4-in., 35c. PRESIDENT TAFT, 4-in., only 35c. This is all good healthy stock. Larger sizes in bloom. Park Floral Co., 1706 Broadway, Denver, Colo.

Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire de Lorraine, 5-in., 50c each; 6-in., 75c. Storrs & Harrison Co., Painesville, O.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Gloire de Lorraine begonias, 3½-in., 25c; 4-in., 35c; 5-in., 50c. Geo. A. Kuhl, Pekin, Ill.

Begonia Glory of Cincinnati, J. A. Peterson, Westwood, Cincinnati, O.

Red begonias, 2½-in., \$5 per 100, four varieties. Geo. A. Kuhl, Pekin, Ill.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnations, F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Mum stock plants. Beatrice May, Gloria, Mrs. W. E. Kelley, Winter Cheer, 75c; Pres. Taft, \$1.00; White Helen Frick, \$2.00; DONATELLO, EDMUND ALBE, ELISE PAPWORTH, \$3.00. All per doz. J. L. Schiller, Toledo, O.

Chrysanthemums, yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Eichholz, Waynesboro, Pa.

Chrysanthemum stock plants, standard varieties, \$5.00 per 100. Park Floral Co., 1706 Broadway, Denver, Colo.

Chrysanthemums, pompons, 3-in., 75c per doz.; \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 60c per 100; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, G. Bedder, Verschaffeltii, etc., R. C., 60c per 100; \$5 per 1,000. Brilliancy, 2-in., \$3; 3-in., \$4 per 100. Standard sorts, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., Sons Co., White Marsh, Md.

Coleus, Verschaffeltii, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, Verschaffeltii, Golden Bedder and fancy assorted, \$2.00 per 100; \$15 per 1,000. The E. G. Hill Co., Richmond, Ind.

CROTONS.

Crotons, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

CYCLAMENS.

CYCLAMEN, fine selected strain, 3-in., 25c; 4-in., 35c; 5-in., 50c; 6-in., 75c. 4, 5 and 6-in. in bloom. Park Floral Co., 1706 Broadway, Denver, Colo.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, 5-in., extra well budded, \$25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, best commercial varieties. Peacock Dahlia Farms, Williamstown, Junction, N. J.

DAISIES.

Paris daisies, 2-in., 2c; R. C., \$1 per 100. Byer Bros., Chambersburg, Pa.

Dahlia roots, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinei, 7-in., \$2.50 per doz.; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena fragrans, 8-in., 30 to 36 ins., \$18 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracaenas, \$1, \$1.50, \$2 each. Geo. A. Kuhl, Pekin, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

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FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. **DICKSONIA** **ANTARCTICA.** A grand commercial tree fern of greatest value. 4-in. stock, \$8 per doz.; \$65 per 100. **FERN SEEDLINGS** in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. **ADIANTUM CUNEATUM**, 4-in., \$12 per 100. **Asparagus plumosus nanus** and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

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Clean healthy plants, pot-grown.

	Doz.	Per 100
5-inch	\$3.00	\$25.00
6-inch	4.50	35.00
8-inch	each, \$1; doz., \$12	

Cash, Please.

LEY & BICKINGS, GOOD HOPE, D. C.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Pieroni, 2½-in., 4c; 3-in., 5c. **Elegantissima**, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. Heavy plants, Boston, Pieroni, **Elegantissima**, Barrows, 4-in. pots, \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Boston ferns. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns. Scholzei, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns. Whitman and Boston, 2½-in., \$3.00 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Ferns. Boston and Whitman, 2½-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns. Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pierson Co., Tarryton-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Neph. Giatrasil, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FEVERFEW.

Feverfew, large double white, R. C., \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Feverfew, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubbers, 5-in., 25c. Byer Bros., Chambersburg, Pa.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

Geraniums from 2-in. pots, good stock. Nutt, La Favorite, L. Aube, Viald, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2 per 100; \$18.50 per 1,000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3 per 100; \$25 per 1,000. Pelargoniums, Mme. Laval, \$5 per 100. Cash with order. Write for geranium catalogue, A. D. Root, Wooster, Ohio.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (seml-double); Beaute Potevine, Mme. Buchner. Strong healthy cuttings for delivery December 1, \$1.50 per 100; \$12.50 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viald, Castellane, Potevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5; Geo. M. Emmans, Newton, N. J.

Geraniums, standard varieties, rooted cutting, 1½c; 3-in., 5c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Potevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, fancy and dagger ferns, \$1.50 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Lencothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Green Roping, 20 yards in roll, at 3, 4 and 5c per yard. Green wreaths, 12-inch, \$1; 14-inch, \$1.50; 16-inch, \$2 per doz. With cape flowers, \$1.50, \$2, \$2.50 and \$3 per doz. Blankets for cemetery, 2½x6 feet, \$3; 3x7 feet, \$4 each. Magnolia Wreaths, 14-inch, 75c; 16-inch, \$1.25; 18-inch, \$1.50 each. Geo. A. Kuhl, Pekin, Ill.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Evergreen boughs, arbor vitae, white spruce, white pine, sphagnum moss. Chas. F. Uecke, New London, Wis.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Wild Smilax, 50 lb. cases, \$1.75. Henry M. Robinson & Co., Pine Apple, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, galax, dagger and fancy ferns, leucothoe sprays, etc. For prices see advertisement elsewhere in this issue. North Carolina Evergreen Co., Banner Elk, N. C.

Greens, fancy holly, sheet moss, laurel, autumn foliage, mistletoe. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Jap air plants in canoes, \$2; in baskets, \$1.50 to \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hardy Phlox, 20 best varieties, all colors, one-year field-grown plants, \$3.00 per 100; \$27.50 per 1,000. Can deliver at once. The Good & Reese Co., Springfield, O.

Perennials. McHutchison & Co., 17 Murray St., New York.

Hollyhocks, field-grown, \$2.25 per 100. Byer Bros., Chambersburg, Pa.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HELIOTROPES.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, 3 kinds, \$1 per 100. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

New Hydrangea Arborescens Grandiflora Alba, the new forcing Hydrangea, two-year, field-grown, \$2.00 per doz.; \$14 per 100; \$120 per 1,000. The Good & Reese Co., Springfield, O.

10,000 Hydrangea Otaksa, pot grown, 4-in., \$5 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries in fine color, 3-in., \$10; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Lantanas, Bruant's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

Lantanas, asst., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, Mme. Lemoine, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X Marie Le Graye, S-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandseck, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. H. N. Bruns, 3040 Madison St., Chicago.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage, \$1.75 per 100; \$3.25 per 250; \$6.50 per 500; \$12.50 per 1,000. Arthur T. Boddington, 342 W. 14th St., New York.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$18.50 per 1,000; \$80 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 253 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, plants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Adammann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, for prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentia Bel., 2½-in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 6-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, 50c, 75c, \$1, \$1.50 and \$2.50 each. Geo. A. Kuhl, Pekin, Ill.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

POINSETTIAS.

Poinsettias, 2½-in., \$5; 3-in., \$10; 4-in., \$15. Geo. A. Kuhl, Pekin, Ill.

Poinsettias, 4-in., 15c; 6-in. pans, 5 plants, 60c. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primroses, Obconica giants, 3-in., \$4 per 100. Chinese, large flowering 3-in., \$4 per 100. Ke-wensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula from 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA, Ronds-dorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primula Obconica, Rondsorfer's Hybrids, the best in existence, grandiflora and gigantea, in 10 selected var., good value, \$3 per 100; 500 or more, \$2.50 per 100. Cash. Henry Schmidt, 408 Fulton St., Weehawken P. O., N. J.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obconica, alba and rosea, \$1.50. Obconica gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, Baby and Obconica, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Primroses, obconica, alba, lilac, rubra, hybrids, rosea, \$2 per 100. Carmina Sanguinea, \$3. Byer Bros., Chambersburg, Pa.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula officinalis hybrids, obconica alba, lilac, rubra, rosea, Carmina, Sanguinea, 2 in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

Primula obconica Grandi., 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet. California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

ROSES.

Roses, budded, field-grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntville Wholesale Nurseries, Huntville, Ala.

Roses on own roots, budded, bedding, H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. Dingee & Conard Co., West Grove, Pa.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Sweden, turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiana & Son., Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar dint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Robbert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SALVIAS.

Salvia, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

SMILAX.

SMILAX, 2-in. at 3c. The Park Floral Co., 1706 Broadway, Denver, Colo.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon Verbenas, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vincas, variegated, strong field rooted tips stored without frost in a cool house. These plants will readily grow into stock for spring sales, \$1 per 100; \$10 per 1,000. Cash or satisfactory reference. O. F. Mahan, R. D. No. 8, Dayton, O.

Vinca Var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca major, strong field-grown, \$3.50 per 100. T. J. Fettera, Harbor Springs, Mich.

Vinca var, from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

STOCK WANTED.

Wanted—Potted plants for holiday trade. C. C. Trepel, at Loeser's, Brooklyn, Bloomingdale Bros., New York.

WHOLESALE CUT FLOWERS.**Commission Dealers.**

Amling Co., E. C., 32-36 Randolph St., Chicago.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Helton & Hunkel Co., 463 Milwaukee St., Milwaukee.
 Hunt, E. H., 76 Wabash Ave., Chicago.
 Kasting Co., W. F., Buffalo, N. Y.
 Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.
 Kennicott Bros. Co., 48x50 Wabash Ave., Chicago.
 Kessler Bros., 136 W. 28th St., New York.
 Kuehn, O. A., 1122 Pine St., St. Louis.
 Kyle & Foerster, 51 Wabash Ave., Chicago.
 Langjahr, A. H., 55 W. 28th St., New York.
 Levy, Joseph J., 56 W. 26th St., New York.
 McCallum Co., Inc., Pittsburg, Pa.
 McCullough's Sons Co., 316 Walnut St., Cincinnati.
 McKellar, Chas. W., 51 Wabash Ave., Chicago.
 Millang, Aug., 41 W. 28th St., New York.
 Millang, Chas., 55 W. 26th St., New York.
 Moore, Hents & Nash, 55 W. 26th St., New York.
 Munk Floral Co., Columbus, O.
 Murphy, Wm., 311 Main St., Cincinnati, O.
 N. Y. Cut Flower Exchange, Coogan Bldg., New York.
 Niessen Co., The Leo, 1209 Arch St., Philadelphia.
 Pennock-Meehan Co., S. S., 109 W. 28th St., New York.
 Pittsburg Cut Flower Co., 121 7th St., Pittsburg.
 Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.
 Randall, A. L. Co., 19-21 Randolph St., Chicago.
 Rice Bros., 115 6th St., Minneapolis, Minn.
 Robinson & Co., H. M., 15 Province St., Boston.
 Sheridan, Walter F., 131 W. 28th St., New York.
 Smith, P. J., 49 W. 28th St., New York.
 Traendley & Schenck, 131 W. 28th St., New York.
 Vaughan & Sperry, 52 Wabash Ave., Chicago.
 Welland & Risch, 59 Wabash Ave., Chicago.
 Welch Bros., 228 Devonshire St., Boston.
 Weiss & Sons, Charles, 128 W. 28th St., New York.
 Young & Co., A. L., 54 W. 28th St., New York.
 Young & Nugent, 42 W. 28th St., New York.
 Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G., Co., Richmond, Ind.
 Pochlmann Bros. Co., 33-37 Randolph St., Chicago.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 35 Randolph St., Chicago.
 Wieter Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Bromfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
 Cincinnati—Julian Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dallas, Tex.—Texas Seed and Floral Co.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids—Grand Rapids Floral Co.
 Grand Rapids, Mich.—Ell Cross, 25 Monroe.

Indianapolis.—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif., Wolfskill Bros., 216 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky.—F. Walker & Co., 634 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dards, 44th and Madison Ave.
 New York—International Floral Assn.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 New York and Washington—J. H. Small & Sons.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Philadelphia—J. J. Habermehl's Sons.
 Philadelphia—Robert Kliff, 1725 Chestnut.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.
 Rockford, Ill.—H. W. Buckbee.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heini & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shafer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Montinger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular, Johnston Heating Co., 131 E. 28th St., New York.
 Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses. Giblin & Co., Utica, N. Y.
 Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.
 Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.
 Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platenville, La.
 Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.
 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish. Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. AUBURNDALE GOLDFISH CO., 920 Randolph St., Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{1}{8}$ and $\frac{1}{4}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 28th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Model extension carnation support; galvanized rose stakes. Igoo Bros., 266 N. 9th St., Brooklyn, N. Y.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Badlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Vacuum heating system. Chicago Pump Co., 1061 Fulton St., Chicago.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Gummed gold, silver and purple letters. J. Lichtenberger, 1566 Avenue A, New York.

Armadillo baskets. Chas. Apelt, Comfort, Texas.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

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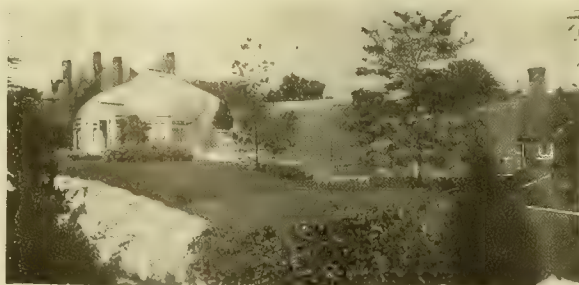
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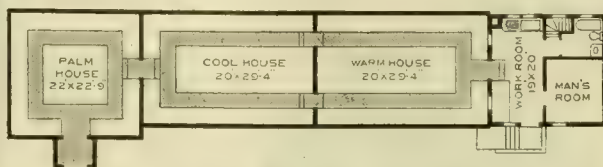
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PLAN 92

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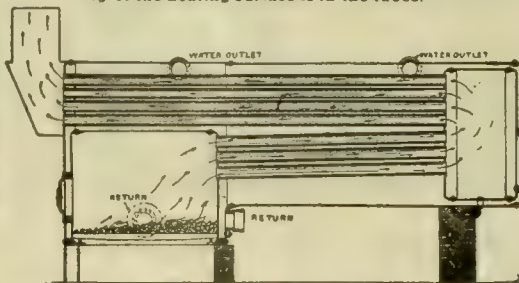
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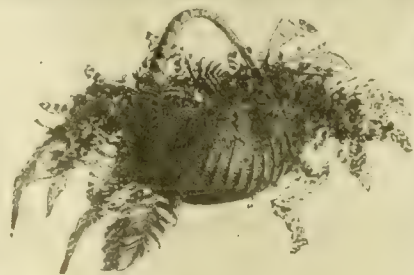
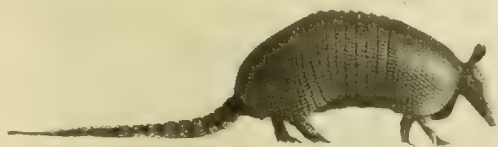
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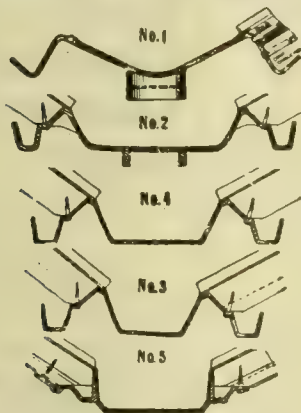
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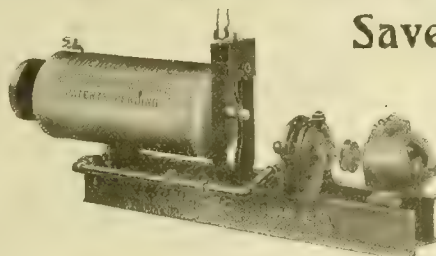
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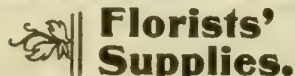
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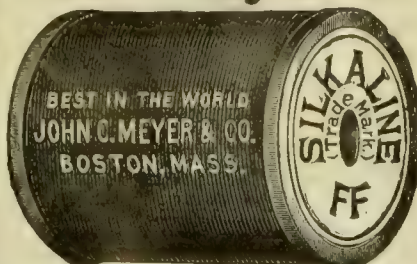
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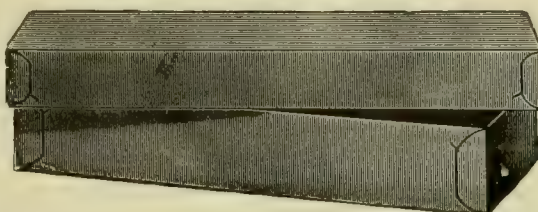


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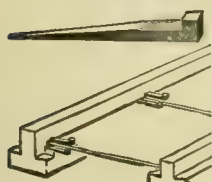
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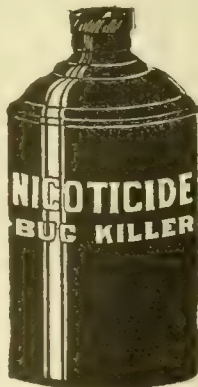
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Vol. XXXV.

CHICAGO AND NEW YORK, DECEMBER 10, 1910.

No. 1175

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TWENTY-SIXTH YEAR.

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SUGGESTIONS FOR THE HOLIDAY TRADE.

Holly.

In speaking or writing of Christmas greens, the first that comes to the mind is holly, for of all the different greens used by florists, this seems to associate itself and belong to Christmas alone. From all appearances, it looks now as if good holly would not be overplentiful this season, and that the price would be high; but even so, the best of holly, well-berried, is what the customer wants. Holly, without berries and shiny glistening leaves, is worthless, and does not at all carry out the holiday idea. When the cases of holly arrive, they should be placed in a cool dark place, where the leaves and berries will not dry up or lose their lustre. In the making of holly wreaths, avoid the cheap arrangements with the separate leaves sewed on a cardboard, and leave that trade to the corner grocery or butcher shop, but make up pretty wreaths of selected sprays and have this work done by somebody who knows how to finish them, and not leave it to inexperienced help. They can be made up a few days in advance, before the great rush begins and kept in a cool moist place and be all ready when the trade calls for them. While much holly is sold in wreath form, which gives an opportunity to use the shorter sprays, yet the larger quantity is sold in bunches, which the purchasers arrange themselves, or hang in the doorways, windows or on the walls and nice sprays should be selected and tied for this purpose. Different sized bunches, at different prices, can be fastened together and a few samples of these should be arranged around the office or store where they are sure to catch the eye of the customer. If from any cause the holly becomes dry and wilted it can be sprinkled with water and the nice short sprays placed in a tub or tank of water until it takes on a fresh appearance. A short spray of well-berried holly tied on the outside of cut flower boxes is very neat and greatly appreciated by the best trade.

Boxwood.

The most useful green for the florist at this season, or in fact at all seasons, is the boxwood sprays, for it can be used in so many different ways and is of such lasting quality. This green if it becomes badly wilted and dry, if plunged into water and allowed to remain a short time will freshen up and be as good as ever. Wreaths of boxwood, either made double or single are very handsome and attractive. They should be made loosely and not too compact, yet full enough to have a fine appearance and the addition of a few winter berries will greatly enhance their beauty. Boxwood balls are a great feature in some places. They are hung in the windows suspended by a bright red ribbon with a handsome bow. They are very easily made and will readily sell at a nice figure. They are made by tying a small bunch of moss tightly together, about two inches in diameter, and inserting a wire, to which the ribbon may be fastened. Have a sharp pointed stick that is held erect and firm, and place the ball of moss on this. Cut the boxwood into short lengths, three to four inches, with a sharp point at the cut, and insert into the ball of moss, beginning at the top. When the ball is half made, take it off the stick and turn it over, placing it again on the stick so that the unfinished part will be uppermost, and fill the other half as before. It can then be hung by the aid of the wire. A few winter berries, or if you haven't these, a few bunches of red immortelles will add the necessary Christmas color, and make them very attractive. These balls, if well made, will readily sell at a dollar or more each, and the expense is small, and they are rapidly put together. Nice sprays of boxwood are used by many, to mix with their vases of carnations, and where the carnations are weak-stemmed, are a great assistance in holding them up straight, and besides it is a considerably cheaper green than asparagus, and will to a certain extent take the place of this

greenhouse product. Another use for boxwood is to place short sprays in the pots of plants which have lost their leaves, or which are not plentifully enough supplied with foliage, to make the plant look well-furnished.

Mistletoe.

While, perhaps Mistletoe can hardly be considered a green, yet in writing of Christmas greens it should not be omitted for it is the sentiment and tradition that makes this parasitical plant so popular especially among the younger people at this season of the year. While, perhaps, there is no longer demand for the large sprays that formerly sold at such remunerative values, yet there is always a demand for pretty medium-sized bunches that are well-berried that the shy damsel likes to hang in the doorway or the alcove. It is one of the Christmas articles that the florist handles that have to be looked after very sharp, or it will be a loss rather than a gain. A great quantity is damaged in the shipping and if not handled carefully more loss will be sustained after being received and a good price will have to be received for what is salable. The short sprays that get broken off, if the berries have not dropped, can be used by placing them in the cut flower boxes, gratis, where they are sure to be appreciated.

Laurel.

The sprays of laurel, *Kalmia latifolia*, are extensively used for Christmas decorations, made up in wreaths or in festooning. The short sprays are very easily tied into wreath forms and in some sections of the country the majority of Christmas wreaths are made from this material. When made into festooning or roping, as it is sometimes called, it makes the richest material for large decorations, but is a trifle too heavy for small rooms. It is the mass effect which it produces that makes it so especially attractive. It will keep for a long time and continues to be decorative until the leaves dry enough to turn brown. The bunches of laurel in long sprays are very effective in large vases of flowers that are not well supplied with foliage. A few branches in a vase of *Lilium Longiflorum* are a great addition. This green is also used by many florists as a background for floral work. As the material to cover baskets and large designs it is invaluable for it fills up rapidly and makes a rich handsome groundwork for the flowers.

Bouquet Green.

This popular Christmas green, known as ground pine in some localities, is always used in great quantities, but it looks now as if it would be very scarce this year. It is considered by the best buyers as a cheap green, but at the prices now quoted this season, can hardly be considered as such. It is used extensively as a material for making festooning and in the filling of bouquets and cheaper work. When made into wreaths a few pine cones or bunches of winterberries or red immortelles arranged with the green are necessary to make them attractive. Balls, made of this green, in the same manner as described in the writing of boxwood, are made a feature by some dealers, but they are not as rich looking as the latter and at the present price of bouquet green will cost almost as much as the boxwood. An addition of color is necessary in the balls of this green to take away the cheap look.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Plant Baskets.

SEE SUPPLEMENT WITH THIS ISSUE.

The approach of the Christmas holiday will cause the florists' mind to turn towards the Christmas plant baskets which are always in good demand at this season. The wealth of material at his disposal at this time allows the dealer a great latitude in the arranging of these beautiful gifts. The tendency of both the retailer and the buyer is for a too close arrangement, and the plants are squeezed together until all individuality is lost, and the beauty of the single specimen spoiled by the massing of too many different kinds, but the buyers all seem to desire as many plants in the basket as can be possibly placed in them, and their tastes must be satisfied. The basket which we illustrate is very light and handsome. The *Erica Melanthera* in the centre making a light airy appearance, the poinsettias with their crimson bracts and glossy foliage and the Jerusalem cherries with their bright red fruit giving the necessary Christmas color and the Roman hyacinths lightening up the sides, making a very rich and beautiful appearance. The selection of ribbons which are added should be chosen with the greatest of care. Where there is a large quantity of green with some red flow-

ers or berries the red ribbons can be used with telling effect, but with smaller flowers like the *ericas* and *hyacinths* the white gauzy ribbons make the finest finish, and the tying of these auxiliaries will give the florist ample opportunity to display his artistic ability and lots of practise is necessary to become proficient. A goodly quantity of well-grown ferns, small *nephrolepis*, both Boston and crested types, and the *pteris* and other small ferns are necessary for the finishing of these arrangements.

With the New York Retailers.

Jno. V. Phillips, 272 Fulton street, Brooklyn, has been quite busy recently, owing to rather active society functions that have been taking place in Brooklyn's aristocratic quarter, "The Heights." An elaborate decoration was made a few days ago for the marriage of Miss Dutcher. Orange blossoms, yellow and white chrysanthemums and palms and ferns were used lavishly in the decorative scheme; the bridal bouquet was of lily of the valley and orange blossoms; the maid of honor carried yellow chrysanthemums.

Weir's, corner Fulton and Pierpont streets, Brooklyn, are making attractive window displays of chrysanthemums and ferns these days, many of the newer varieties of the flowers mentioned being in view.

Dard's, corner Forty-fourth street and Madison avenue, have a special feature in the new Violet Marie Elize, a pretty, fragrant flower, much lighter in color than Marie Louise, very scarce as yet and not to be had in quantity, hence, very popular. A very liberal display of evergreens is maintained in the forefront of this store, which tends to emphasize and bring out to the greatest possible advantage the charming display of cut flowers in view in the show windows.

The A. T. Bunyard store, corner Forty-eighth street and Madison avenue, is a well appointed establishment in every particular. The show windows this week were replete with choice things in the cut flower line, among which were *zygopetalunis*, *gardenias* and *marguerites*, all tastefully displayed. Mr. Bunyard has met with a very gratifying measure of success ever since the first day of the opening of his establishment. The coming season promises to be a very busy one from present indications.

Spalding, formerly with Hodgson's, located at 509 Madison avenue, is look-



VIEW OF HOFFMAN'S STORE, BOSTON, MASS.

ing forward to quite a busy season, several nice little dinner orders being booked for the near future. A printed price list of cut flowers and green material is one of the methods employed to keep their customers apprised of flower values, and is found to be quite a factor in bringing in orders—via the "telephone."

J. W. Hauser, Fifty-sixth street and Madison avenue, has been located 24 years in the same block. Mr. Hauser had a wagon load of flowers to deliver on the S. S. Germania, which left the Brooklyn pier, bound for the Azores, on November 17, which fact clearly indicates the volume of business being done. Returning but recently from a rather extended trip through the Northwest, Mr. Hauser is enthused with the quality of the roses seen growing at Portland, Ore. Particularly does he refer to the splendid excellence of the varieties Caroline Testout and La France, as seen there.

Myer, Fifty-eighth street and Madison avenue, has among the attractive flowers in his window a very interesting yellow rose, labeled Golden Beauty, which is receiving a good deal of attention. Business at this house has been very brisk during the last few weeks. At a luncheon decoration provided for Wm. Brokaw, at his residence, "Nirvana," Great Neck, N. Y., in honor of a race meet on his private grounds, the principal feature was an immense mound of white and lavender chrysanthemums (Timothy Eaton and Dr. Enguehard), the racing colors of the host, surmounted with a statue of a horse in silver, the latter being the trophy offered for the winner of the steeplechase. Myer also had the decorations for the Alfred Vanderbilt dinner on November 10, about which the daily press made so much ado. On one table 500 special American Beauty roses were used. The bronze chrysanthemums, (A. Carnegie) were used in masses in the hall, with palms for a background and as a screen for the orchestra. Vases of Timothy Eaton and Col. D. Appleton chrysanthemums arranged with oak foliage were distributed very freely throughout the house. Altogether it was a very big order and was carried out successfully in every particular.

W. J. Smyth, Chicago.

The additional room which W. J. Smyth has acquired by leasing the store on Thirty-first street, adjoining the one he has occupied, and taking out the partition, makes one of the most commodious and pretty stores in Chicago. The posts, that was found necessary to retain, have been incased with mirrors and the use of mirrors on the sides of the store gives a very light and beautiful effect. The furnishings are all in white enamel, and the refrigerator, full of beautiful flowers, is a point of attraction to the customer. The arrangement of this refrigerator is of the best; it is double-glazed, that is, with an inner and outer glass, to prevent the sweating of the glass, as well as the securing of thorough refrigeration and the inner glass is set in a hinged frame to allow the cleaning of both the large panes of glass. The floral beauties and the decorative plants, are all of the highest grade and on our visit, a very fine display of cattleya and cypripedium orchids were noticeable. An exceptionally fine assortment of supplies

is always on hand especially noticeable were the many beautiful baskets of all shapes and sizes so necessary to the up-to-date retailer. The back part of the new store has been partitioned off, which gives an ample storeroom for the large stock of supplies and this can also be used as an additional workroom during rush season. Mr. Smyth is to be congratulated upon the possession of such a beautiful store, in one of the best localities in the city, where the artistic arrangements for which he has acquired such an enviable reputa-

THE CARNATION.

Cultural Details.

Winter conditions now prevail in the carnation houses and every little detail concerning the care of the plants must be followed up closely to obtain the best results. The temperature in the houses is one of the most important to be looked after and any sudden rise or fall should be carefully avoided, one of the safeguards to perfect caly-



INTERIOR VIEW OF W. J. SMYTH'S STORE, CHICAGO.

tion, are demanded, and upon the prosperous business which he has succeeded in building up.

Fumigating With Tobacco Stems.

ED. AMERICAN FLORIST:

What would be the proper amount of tobacco stems to use in fumigating a greenhouse containing 8,000 cubic feet of space? Would it be better to use two fumigators rather than one in a house 100 feet long?

R. W. E. V.

In fumigating with tobacco stems it is far better to fumigate lightly and often rather than heavily. A half bushel of tobacco stems will be enough to fumigate the house in question. The stems should be moistened to prevent them from blazing up, for if this happens the plants will be damaged. If the first fumigation does not kill the insects repeat the operation the next night. It is not necessary to have two fumigators but the pot should be moved from one end of the house to the other so that the smoke may be equally distributed throughout the house. There are some plants that will not stand very much fumigating with tobacco smoke, such as adiantum cuneatum, spireas and heliotrope and it is better to use the nicotine papers in houses where these plants are grown.

W.

FARGO, N. D.—The Shotwell Floral Co. are making a fine display with their beautiful chrysanthemums. They now have seven houses, five of which are devoted to carnations which are in splendid condition.

ces and good keeping qualities of the flowers being an even temperature at all times. If the plants have had a generous treatment they should now be in vigorous health, promising good results for the holidays, one of the surest signs of careful treatment being a good crop of flowers for the Christmas holidays without the necessity of extra forcing, which, though it may bring out a few more blooms for that time will surely react on the plant later in the season. Keep the temperature in your carnation houses 50-52 degrees at night and 56 degrees on dull days and on bright days 60-70 degrees without steam heat and with ventilation enough to allow for a free current of pure air, but with the absence of any cold draughts.

Watering is another important part of the work. The old idea of watering every day as a general daily routine is a serious mistake and to keep the soil in a soaked condition is even a greater one. The plants should be watered when the soil at the roots requires it and then thoroughly, but a good drying out should take place between each watering to maintain an active growing condition of the roots. The matter of syringing the plants after this time of the year is a matter that is advocated by some and condemned by others, but we find that the plants are greatly benefited by a thorough syringing occasionally on bright days (particularly after a spell of heavy firing), but it should be done early enough in the day for the plants to dry out again before night;

it puts new vigor into the plants and helps to keep down the red spider. The question of extra stimulation of the plants by feeding with commercial or other fertilizers hardly needs to be touched upon at this time, it being too early to attempt much along these lines. At this early date the nourishment now in the soil should be sufficient to carry the plants over to the first of the year or until the first batch of cuttings have been taken off, when a little extra encouragement will be needed.

Disbudding should be followed up closely, but do not carry it to the extreme by rubbing out the side buds and shoots before they are hardly formed, but watch the action of the remaining buds closely; there may be a lot in that advocated by some that disbudding too closely is a cause of badly bursted calyces, too much strength having been thrown into the main bud. There is not any better time than now to fumigate a time or two with the nicotine preparation that you have found most effective to check the thrips or aphids even though there are not any visible signs of any, for once the plants are thoroughly cleaned of these pests they will remain so for a long time. Cutting and shipping the flowers is a work that is many times done very carelessly; why, it is hard to tell, for far from being a task that should be done in a haphazard way, it should be attended to with the greatest care. Cut the blooms early in the day whenever possible and put into water in a cool place directly after cutting. If the method of marketing the flowers is by bunching see to it that every flower in the bunch is of an even grade, both as to color and quality, also the same should rule when they are shipped loose in boxes of 50, 75 or 100, as many of the better grade of flowers are done in the large cities. Every flower should be as the ticket indicates. Another item that should receive close attention and that is to keep the growing shoots of the plants into the rings before they have a chance to become crooked or diseased.

C. W. JOHNSON.

Carnations in the South.

The plants are now throwing up flowering shoots and a little feed is in order. Well pulverized cow manure, to which has been added some bone flour, is a good starter. The roots are spreading over the surface and the beds can no longer be worked over, hence the pulverized cow manure makes a good foundation for any fertilizer to be worked in later by hand. The mulch may be put on about half an inch thick. The cool nights are having a beneficial effect and the plants are growing rapidly. Plenty of water is needed to supply their wants and as much ventilation as the weather will permit. Fire heat may occasionally be needed, but the less it is used yet the better. When used have as much air on the houses as will keep the temperature down to 50° or a little over.

Red spider is very apt to put in an appearance now, but by going over the houses twice a week with a fine spray nozzle little trouble need be anticipated. The spraying should be done from each side of the bench, so that all the

plants may get the full effect. In general at this time no effort must be made at forcing, but let the plants come along at their own gait for a few more weeks. Keep the aphids down by regular fumigation and the houses sweet and clean and results will come in good time.

WM. LEAR.

Sweet Peas.

Paper read by Fred Pautke, Grosse Pointe Farms, Michigan, before the Detroit Florists' Club, November 21, 1910.

A few days ago I was requested to prepare a paper on sweet peas. The time has been short and I have been very busy, so don't expect anything but a short notice order. And I will give you in the following my experience in growing sweet peas for the last twenty years.

It is very important and has much influence on the future growth and crop of sweet peas to have good ripe full-grown seed, and if possible every grower should raise his own seed. In a well prepared soil sow very thinly (I recommend fall sowing), after they are up, support them well so that the vines will not lie on the ground, which

Use well rotted cow manure and plenty of it. After the plants have attained a good height and are growing well, use diluted nitrate of soda once a week. I have grown sweet peas seven years in the same soil with good results and I am trying again for the eighth year and the plants look very promising.

The time for sowing the seed all depends upon when crop is wanted. The first sowing for a good Christmas crop in our climate should be made the first part of August. They will start to bloom the first part of November and will give good long stemmed flowers for Christmas and will bloom all winter. For April, May and June crop, sow in December or January. Put from three to four seeds six inches apart, two inches deep, the rows to be three feet apart; on raised benches the planting can be a little closer. Keep the ground moist in hot weather, and cover the soil with paper, and in eight days the seeds will germinate. White seeded varieties should be sown out-doors in cold frames by dropping five or six seeds close together, covering with shaded glass till they are up



CHRISTMAS BASKET BY J. H. SMALL & SONS, NEW YORK.
California Pepper, Poinsettias and Various Flowering and Foliage Plants.

will keep mildew off, do not cut any flowers off these vines and the seed will be ripe in the latter part of July or the first of August, ready for the winter's sowing in the green-house. Do not try to save any seed from left over green-house grown flowers, as the vitality is not great and sickly looking plants will be the result.

Any soil which will grow chrysanthemums, carnations or roses is suitable for the culture of sweet peas.

and then give full sunlight, and in three weeks they will give better results than sowing in little pots.

It is very important to keep the plants on the dry side until they are about six inches in height, as too much water will surely cause stem rot. Be sure and give them support right from the start. As soon as they show good growth give more water; never neglect to give all the air possible, day and night, to insure a sturdy growth; be

careful about night air in late fall so as to prevent mildew.

The worst enemy of the sweet pea is red spider, which will attack it in its early growth and if not checked will soon destroy the plants. The best remedy is to spray with nicotine solution every two weeks and then spider never gets hold, and this also will keep the aphids and other insects in check; keep a sharp lookout for the green caterpillar, which will chew off whole branches and which appear sometimes in great numbers, the only remedy here is hand picking. There is another aphid which goes in the ground and attacks the roots, but I cannot say how much damage this insect causes, for I have not had any experience with it. In diseases, stem-rot and mildew are the most common, stem-rot can be prevented by being careful with water and air when the plants are young and not too close planting. For mildew use flowers of sulphur. Lately I have noted, especially in the young stage, that some of the leaves were turning yellow and the plants have a peculiar color, finally losing their leaves, and the plants dying off. I traced this back to inferior and not good developed seed and if you don't look out for good seed it will become a difficult matter to raise good flowers.

If you have by good culture and care succeeded in producing good flowers it is now important to deliver the same to your commission house or customers in the pink of condition. It is most necessary to bunch separately any flowers which have changed a little in color, as those will when mixed in with the good flowers, soon ruin the whole bunch; furthermore tie your bunches on the bottom end of the stems so they will be loose, and crushing flowers will be avoided. Never have any water on the flower itself as they soon get spotted and lose their fragrance and are unsalable. It is much better to ship your flowers without their having been in water, the commission man will attend to that. There is no flower so popular as the sweet peas, and it is most necessary for an up-to-date florist to always have a supply on hand, as they can be used for all occasions. We have now a great variety of winter blooming sweet peas and it is not necessary for one to name them all. Sweet peas well grown and in good colors will repay well for the attention and work they require.

Sulphur on Heating Pipes.

ED. AMERICAN FLORIST.

What is the best method of preparing and applying sulphur to heating pipes? SUBSCRIBER.

Mix air slacked lime and sulphur 2 parts lime to one part sulphur, then add water enough to form the consistency of a paste that can be easily applied with a whitewash brush. It is best to select one of the runs of pipe that it is not necessary to use every day, keeping it painted with fresh sulphur, turning the steam into it for a few hours once every week. The sulphur can also be dusted directly on to the pipes, but there is considerable waste by this method, as quite a lot will fall to the ground. Care should be exercised not to allow the sulphur fumes to become too dense as this will cause the flowers to bleach and the leaves to fall. C. W. JOHNSON.

The Newer Heleniums.

Fair Helen, the wife of Menelaus of Sparta, who eloped with Paris, and is renowned in ancient history and fable, has given her name to the genus *helenium*, writes a correspondent of The Gardeners' Magazine although the old plant called after her was probably *Inula helenium*. However this may be, the genus which bears the name of this fair cause of strife is a valued and valuable one in our gardens, and

done much yeoman service on the exhibition table. Thoroughly hardy, it is invaluable for lovers of late summer and autumn bloom.

Helenium Bigelovi, a useful species, is not much grown now, but deserves a little more consideration. Its deep yellow flowers, contrasted with the brown disc, and on a plant about two feet high, render this a useful border flower.

Many are well acquainted with the fine *H. Polanderi*, a useful border plant,



CHRISTMAS PLANTS.

Erica Melanthera.

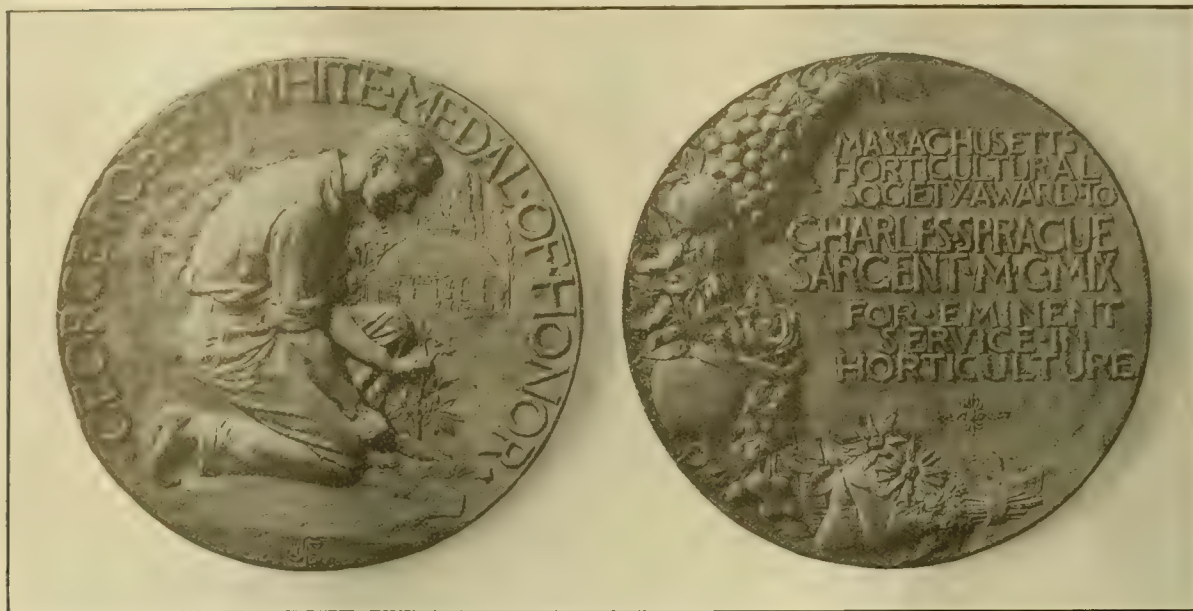
it is to it that they owe much of their brightness in summer and autumn. Some of the species and their varieties are too well known to be embraced under the title of this article, but there are others which, if not absolutely new, are deserving of inclusion for the sake of those not well acquainted with the *heleniums*.

It is unnecessary to do more than refer to *H. autumnale*, one of the best known, but its variety *pumilum magnificum* is so worthy of cultivation that every grower of border flowers ought to cultivate it. It is finer than either *H. autumnale* or its variety *pumilum*, and grows to about three feet high, giving in autumn a long succession of large ornamental flowers of a bright yellow, with a disc which harmonizes well with the brighter yellow of the ray florets. In the border it is bright and useful, while, when well arranged, it is delightful as a cut flower, and has

only a foot and a half high, or little more, which affords us in autumn yellow flowers with a darker disc, but there is in addition a new variety, called *Golden Gem*, which has very deep golden flowers with tubular florets, and is about the same height as the typical plant. Its tubular florets and its color constitute this one of the most interesting of the newer varieties.

Helenium Hoopesi, an early-blooming Rocky Mountain *helenium*, is now fairly well known, and is appreciated by those who grow it for its large deep yellow blooms of effective appearance. Its early flowering is also a feature which appeals to a number. It is some two and a half feet high.

Some years ago there was introduced a fine *helenium* with flowers distinctly striped with yellow and brown. This was sent out as *grandicephalum striatum*, but it is now generally agreed that it is a variety of the variable



THE GEORGE ROBERT WHITE MEDAL OF HONOR.

North American *H. nudiflorum*. This is a valuable helenium on account of its coloring and its late blooming. It is some four feet or so high, and the varieties which are offered under various names, such as *striatum*, and *cupreum*, which is deeper in shade, and of almost self-copper color, are all worth possessing for the border, cut flowers for the home, or exhibition. Understood to have been derived from the foregoing, is a garden variety called *Riverton Beauty*, which promises to take a good place in the garden. It is only about three feet high, and gives us a supply of handsome brown and yellow flowers.

A sister flower is *Riverton Gem*, which is one of the most beautiful of all, and which is worthily named *Riverton "Gem."* About the same height as the preceding one, it is decidedly the best of the new varieties, and yields us, on stems about three feet high, lovely flowers of a fine crimson-brown. As a late border plant, especially where hardy flowers are set out in autumn-flowering borders, this choice plant is exquisite.

The cultivation of these heleniums is easy in the extreme, as they are hardy, and give good results on any good, well-manured soil. They can be divided in spring, and will flourish best in sun, although useful in semi-shade also.

The George Robert White Medal of Honor

An important event in the horticultural world the present year is the establishment of the George Robert White Medal of Honor for the maintenance of which a suitable fund has been given to the Massachusetts Horticultural Society, and the medal is to be awarded by the executive management of that organization.

George Robert White, of Boston, in his deed of trust accompanying the fund, states that he has long thought that there was an opportunity for broadening the field of influence of the Massachusetts Horticultural Society and of extending the interest in its work if some suitable recognition were



Prof. C. S. Sargent.

Honored by Being the First Recipient of the George Robert White Medal of Honor Awarded by the Massachusetts Horticultural Society.

made of those persons who have accomplished important results in horticulture; the award to be made independently of or in addition to any prizes or certificates of merit that may be bestowed by the Society in the course of its regular schedule of premiums.

He has, therefore, founded the George Robert White Medal of Honor fund, the income of which is to be devoted annually for the specific purpose of providing a substantial gold medal to be awarded to the man or woman, commercial firm or institution in the United States that has done the most during the year or in recent years to advance the interest in horticulture in its broadest sense.

The first award of the medal has just been made to Professor Charles

S. Sargent, director of the Arnold Arboretum, whose eminent service in horticulture is generally recognized both in this country and abroad. His great work has been the introduction of many desirable ornamental trees and shrubs and the testing of their hardiness in this latitude.

The George Robert White Medal of Honor will take rank in its own field with the Victoria Medal of Honor of England and the medal of the Legion of Honor of France and will have a strong influence in promoting the horticultural activities of this country.

The medal itself was struck at the United States mint in Philadelphia from twenty-four karat gold; is two and three-fourths inches in diameter, five thirty-seconds of an inch thick and weighs between seven and eight ounces. On the face, the figure symbolizes, not the ordinary horticulturist as much as the scientific intellect, whose aim is to improve nature, even to create, if that is possible. The trees in the background represent the allied branch of arboriculture. On the reverse, in the inscription, the name is so designed that it can be replaced by another name each time the medal is awarded.

The George Robert White Medal was executed by John Flanagan, a native of Newark, N. J., and a student, first of Augustus St. Gaudens, later, in Paris, at the Academy Julien under Chapu, and the Atelier Falguiere, at the Ecole des Beaux Arts. During the course of three years of study, Mr. Flanagan was awarded many coveted prizes, and acted as an assistant to MacMonnies on his fountain for the Chicago World's Fair of 1893. Since then, he has received commissions for many medals, portrait busts, and other works, among the best known being the Brinton Medal, the Langley Memorial, and the Hudson-Fulton and Pennsylvania Society Medals. Several of Mr. Flanagan's medals have been acquired by the Musee de Luxembourg, the Metropolitan Museum, New York, and recently by the Museum of Fine Arts at Ghent.



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NOMINATED FOR CHICAGO FLORISTS' CLUB OFFICES IN 1911.

THE ROSE.

Cultural Notes.

Great care should now be taken all around—an even temperature should be maintained in the rose houses at night and the fires banked as soon as the houses reach a temperature that will not be too greatly reduced by syringing. Syringe thoroughly and only on bright sunshiny days three times per week if properly done will be often enough for most of the forcing roses

American Beauties which have filled the soil compactly with feeding roots. In this case a rather green mulch of cow manure can be applied covering it lightly with good fresh soil to prevent spotting the foliage when the manure begins decomposing. Killarney and Richmond, My Maryland, etc. can be mulched or top dressed with pulverized sheep manure from time to time, using just enough to cover the soil; Well rotted cow manure will also do for this work. The Christmas holidays are rapidly approaching and it would be well to remember that there will be

sometimes doing much injury to the plants from over-cropping.

Anyone thinking of doing grafting should lose no time now in ordering Manetti stocks. English or Irish stocks are considered preferable to the French-grown Manetti, yet we have had excellent results with the French stocks at different times, though for the very best results we would suggest using the English or Irish stocks, even at an extra cost of \$2 to \$3 per 1,000 over the cost of the French stocks, as the wood is firmer and the sizes more uniform as a rule in the English-grown stocks. Have plenty of good sharp sand in readiness also for the propagating bench, which will soon be called into use. Manetti stocks should be kept in a cool, shaded house after potting—temperature about 45° until they begin to make roots. E.

Greenhouse Heating.

ED. AMERICAN FLORIST:

I intend to heat a new house with hot water and would like information regarding same in your columns. I want to put eight 2-inch pipes on each side wall of the house and wish to know how to connect these up into headers. I enclose rough sketch and would like to know if this would work satisfactorily.

J. R.

The sketch shows a coil of eight pipes carried along the side and around the end of the house to the door in the center, where they are connected by a manifold. The upper four pipes are flows and the lower ones are returns. The pipes have a total length of 97 feet. The water will circulate provided the lower end of the returns is three or four feet above the top of the boiler, but better results can be secured if the flow pipes run down hill. The question gives no idea of the size of the house, but supposing that the radiation mentioned is sufficient it will be better to use three 2½-inch flow pipes on the plates and under the ridge and 12 2-inch returns. There could be a coil of four returns on each wall, arranged as shown in the drawing, and four more under the middle benches.

L. R. T.



WHITE KILLARNEY ROSES AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL.

excepting American Beauty; twice a week for the latter, spraying them thoroughly, will we think, be sufficient, and Richmond may be also handled in this way, providing, of course, there isn't any red spider lurking around. There should not be any of these pests in evidence if the syringing has been done carefully and extra spraying must be carried on, of course, to prevent the spiders from getting the upper hand. A little sulphur should always be left on the pipes in order to keep out all mildew and from the time firing starts it is only through carelessness that mildew amounts to anything. The plants should be kept tied up carefully and the stems kept nice and straight. All extremely short growths should be pinched back before the buds begin to show colors; if this work is handled right two or more growths can be obtained resulting in a grade of good stemmed stock especially at this time in pinching back the growth of the Killarneys. Fumigating should be done with some regularity. We find about every ten days, using the fumigating papers, keeps the aphids in check and much is saved by fumigating as a preventive rather than as a cure. Try always to keep ahead of the insect proposition.

From now on until after the first of the year we would suggest the use of liquid manure water in preference to using a heavy green manure mulch, if only for the fact that the watering can be under better control at all times—at the same time it is often necessary to mulch a house of early planted

some demand for good stocks before and after the holidays, therefore do not be too anxious to have a full crop of everything at once. A general cut from day to day after December 15 will be found to average up well all around, and for the plants it is much better than to have them cut back hard right in mid-winter, often holding them back until February and



HOUSE OF CATTLEYAS AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL.

WITH THE GROWERS

Poehlmann Bros. Co., Morton Grove, Ill.

A visitor to Chicago that is interested in the growing of flowers for commercial purposes will be sure to include in his itinerary a visit to the noted establishment of Poehlmann Bros., Company, at Morton Grove, a station about fourteen miles north of the city. Two or three years ago a number of growers were talking of the magnitude to which greenhouse con-

Admiration was sending forth some splendid blooms. In reds there were Beacon, Victory, O. P. Bassett and Scarlet Glow. Victory was producing an immense crop and Scarlet Glow was in excellent shape with flowers of the brightest scarlet and a good quality.

Beyond the carnation houses were the houses of orchids. Here were fine plants of cattleyas just coming into bloom, and on each side were splendid plants with their nice large sheaths protruding from the strong healthy growths. Passing through the tall houses in which are grown the long

We are next conducted to the range of houses devoted to American Beauty roses and house after house is passed through with long canes bearing the beautiful large buds and clothed with luxuriant foliage. The north sides of these houses are partitioned off and here the thousands of the lily of the valley of unsurpassed quality are forced and they were seen in all stages from the newly planted pips to the beds producing the spikes of bloom. After inspecting this range we were ushered across to the new range where more American Beauties and, if possible, even better than we have just seen, are found, and at the end of the range are three houses of sweet peas, just commencing to bloom and showing unusual vigor and growth.

After inspecting this large range we are shown the new structure at the head of the range, a large brick building some four hundred feet long in which are installed the boilers for this range with room for the additional ones that will be added as soon as the new range of houses now in process of construction are erected. Looking out we see the posts and gutters are already in position for the new structure and when completed this range will have thirteen houses 500 feet long and 27 feet wide. The manure tanks in this building are very interesting. All the manure that is used for top-dressing is thrown into a large vat and sterilized in order to kill all the weed seed and vermin and is then transported in iron cars that run on a specially built track through the houses where it is easily spread upon the benches. While in the other ranges the coal cars are shifted to the boiler houses on spur tracks and the coal thrown into the bins, here it is intended that the cars will run into the building on an elevated track and the coal dumped right in front of the boilers. The boilers here are equipped with automatic stokers, which are giving great satisfaction. Under the floor of this immense building has been constructed a cement reservoir thirty feet in diameter and thirty feet deep which will supply the water for this range.



HOUSE OF CALLAS AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL.

struction had grown, and one prominent grower, himself the owner of one of the largest single houses in the country, said, "If you haven't seen Poehlmann Brother's houses you have no idea of a real large greenhouse plant." So it was with a great deal of interest that we alighted from the train at Morton Grove with the intention of inspecting this renowned place.

But a few steps from the station is seen the splendid administration building, containing the offices and other necessary rooms and hither we wended our way. We were particularly interested in the greenhouses so we immediately passed through this to later return, and entered the large range of houses devoted to carnations. Here we found 250,000 carnation plants, in the pink of condition, the picture of health and with not only a good cut of excellent blooms at present, but with the promise of a very heavy cut for the holidays and after. A look around found all the best commercial varieties and many of the novelties all doing nicely. In whites there were White Perfection in grand shape, White Enchantress and White Lawson. In the pinks a large assortment which were all looking fine: Enchantress, Winsor, Mrs. Thomas W. Lawson, Pink Lawson, May Day, Admiration and Dorothy Gordon and Sangamo. May Day was particularly promising, producing large quantities of beautiful large flowers and promising a very heavy cut for the future. Dorothy Gordon was doing nicely and the flowers were of great size and the stem very good.

strings of asparagus plumosus, we are suddenly transported into a California garden for before us is a large house of callas in full bloom, an innovation at this establishment. Beyond this are the houses in which are grown the immense quantity of lilies, for which this firm has acquired a great reputation for the quality of its product.



CARNATIONS AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL.

On our journey back we are shown the mechanical part. Here we find a concrete mixer for concrete benches are being made to supplant those of wooden construction, a thoroughly equipped blacksmith shop where are made the trusses for the houses and the irons to reinforce the concrete, a fully equipped electric light plant and the pumps which compress the air with the water to give the necessary force for watering, and in the administration building we are shown the refrigerating and cold storage plants. In this building are also the splendidly equipped offices, rooms for the employees, lavatories, and the large refrigerators as well as the room for the automobiles.

We have spent the afternoon inspecting this plant and are then told that we have as yet seen but one part, which is called Section A, over which August Poehlmann so admirably presides, and everything that we have seen, the quality of the stock and the manner in which the work is carried on, is a fitting testimonial of the executive ability of this member of the corporation. As the evening shades are approaching, we are hurried over to Section B, which is under the charge of Adolph Poehlmann. Here we are conducted into a range of houses as large as the one we have already visited, in which are grown the other roses and we pass through house after house of Killarney, White Killarney, My Maryland and Richmond roses, all in the pink of condition. As we pass down the center aisle for the day is so fast waning that we have to hurry in order to reach the end, which we can just see a long way ahead of us. The stock is in perfect condition showing the finest of cultivation, and the cut which we saw was of the highest grade. The mechanical appliances here are in keeping with the other section but it is getting so late that a closer inspection is impossible, but perhaps at some future time it will be our privilege to more closely inspect this section and more fully describe it. We cannot help feeling that words are inadequate and our vocabulary too limited to thoroughly describe this immense greenhouse plant. But we were particularly fortunate in having for a guide one of the assistant foremen, Anthony Gabel, who so gladly showed us the various features and patiently answered our numerous questions.

What becomes of the immense output of such a range of glass? This is a most natural question. It is shipped to the store at 33-37 Randolph St., Chicago, from whence it is distributed to their innumerable customers all over the country. John Poehlmann is the busy man who has the charge of this branch of the business and the continued trade of their customers is the guarantee of the faithful and efficient manner in which it is conducted.

BLOOMSBURG, PA.—The shipping season for verbenas has commenced at the establishment of J. L. Dillon and will continue until June. This firm's new seedling verberna, Columbia, with pink and white variegated flowers, is said to be of unusual size and beauty.

HACKENSACK, N. J.—Frederick Kuhnert, the florist, has invented and built an aeroplane which is so constructed that it will not fall or collapse in the air after the engine has stopped. He has several minor inventions to his credit.

The John Young Co., Bedford Hills, N. Y.

Here among the hills of Westchester county and surrounded by the palatial homes and estates of millionaires, is located the immense growing establishment of The John Young Co.

Mr. Young has been known for a good many years as one of New York's leading wholesalers. Being the son of a grower, it is not surprising that he has become a grower himself; family traits are bound to eventually crystallize and break into action sooner or later, hence, after a long period of time in the wholesale branch of the trade, we now find Mr. Young devoting all his energies to overseeing and directing the extensive industry, the foundation of which he laid but a few short years ago. In the management of the concern Mr. Young is ably assisted by his son, R. W. Young, and by his brother, William, formerly a rose grower for himself at Clifton, N. J. American Beauty is the only rose grown and the stock is all in the very pink of condition, with prospects for a very heavy crop around the holidays. One house, 54x701 feet, is filled with young stock; the other, a house 54x560 feet, contains plants in their second year; all are doing exceedingly well, however, though Mr. Young does not thing carrying over stock is really

matter to assemble enough good material to fill the house. Some of the stock received arrived in very poor shape, being small and ill-conditioned and requiring very careful nursing to bring them through. However, a good crop is now in sight and all indications point to a long and continuous cut of blooms from this house.

We must say a word about the office building. This is of rough stone, handsomely finished and built to last forever. The packing and tool sheds are on the main floor, a commodious flower cellar underneath and dormitories for the men on the second floor, Mr. Young's office being also on this floor. Taken altogether, the establishment is about as well arranged as it is possible for any commercial place to be; there is lots of room for further development (the area of the estate is 95 acres) and in the future we expect to see this range of glass one of the largest in the country.

John Reardon's Chrysanthemums.

One of the old standby exhibitors at the Chicago shows was missing this year. The fine chrysanthemums and decorative plants annually staged by John Reardon were not in evidence and the old-timers all missed him and his plants.



CHRYSANTHEMUM PLANT DR. ENGUEHARD.

Grown by John Reardon Agricultural College, Ames, Iowa.

the best thing to do. Carnations are being grown here for the first time, a house 22x570 feet being devoted to them. Among the varieties are Enchantress, white, pink and variegated; Victory, Winsor, White Perfection and Beacon; these are in quantity and are already giving good long stemmed blooms. Some varieties being tried out are Shasta, O. P. Bassett, Pink Delight, Sangamo, May Day, Mrs. Ward and Snowflake. As all the carnation stock had to be purchased for this season's planting, it was no easy

He is still growing plants, however, and growing them better than ever, but this is a superfluous remark, as we all know that he could not keep away from this work if he would, and so long as his hands retain their cunning, just so long will the approach of the chrysanthemum season see him busy over his specimen plants.

A short time since the writer had the pleasure of dropping in on him at the greenhouses at the Agricultural College in Ames, Iowa. No one was visible upon entering the front houses,

but away at the rear was a great show of chrysanthemum color and one did not need to be a clairvoyant to know where to find our friend. As we entered the rear house, his kindly face rose up from behind the big specimen Doctor Enguehard, shown in the illustration herewith. After a hearty handshake and the first rush of questions back and forth, an inspection of the plants and houses was in order. The chrysanthemum plants were certainly fine and the specimen shown in the cut and several others would have caused a redistribution of the prize money if they could have been shown at Chicago.

The houses are good though small and of the regulation college type. One continually wonders why these college people will not take a few lessons in building greenhouses from the commercial men, but they all seem more concerned about the effect of the houses in the landscape than they do about their effectiveness for growing plants. The situation is further complicated in this case by a tall brick building having been erected a little way south of the houses, shutting off a good portion of the winter sun. The whole place is as neat as wax inside, and the miscellaneous lot of plants are all in prime condition. The bulk of the space, of course, is given over to growing material for students' use, but more particularly to experimental plants. The house in which the chrysanthemums were being grown was half of it occupied by tomatoes, and however the old wizard ever did it I don't know, but the chrysanthemums were of a quality which would be in the money in any show, and the tomatoes were equally good.

After inspecting the houses we adjourned for some much needed refreshments which were produced in ample quantity and of a quality equal to the chrysanthemum plants. After an all too short visit we tore ourselves away and went at the less attractive business of the day. Our friend seemed to be happy in his work and the University authorities certainly should be well satisfied, as the Ames College greenhouses under the management of John Reardon are the best kept and the stock is the best handled of any of the college greenhouses which the writer has seen. W. N. R.

The Tree Dahlia.

What is known as the tree dahlia in California and is in bloom in several places around Los Angeles is a hybrid raised by an amateur in that city. Its seed-bearing parent is *D. arborea*, the male parent being *D. imperialis* and in habit it is about intermediate between the two. It grows to a height of about 20 feet and has more or less woody stems that are persistent for a few years but gradually die off and have their places taken by new ones. Its flowering season is in November and it is in magnificent condition now (November 25) at E. D. Sturtevant's garden in Hollywood. Mr. Sturtevant's plants are about 18 feet high, crowded with flowers and form a very imposing picture owing to the great mass of mauve which is visible at a considerable distance. There are two forms of it, one having broader petals than the other, but possessing not so truly a perennial habit. The individual flowers are about nine

inches across, of a pretty rosy mauve by day that, under artificial light, turns to almost a true pink. It is surely a magnificent plant in the landscape and one from which loads of flowers can be cut for decoration after the bulk of the outdoor chrysanthemums are over. If this only flowered earlier or was hardier in the east it would be a fine subject for cutting. H. R. R.

OBITUARY.

Charles P. Braslan.

Charles P. Braslan, the senior member of the Braslan Seed Growers' Co., San Jose, Calif., died of pneumonia at his home in that city December 3, in his 47th year, after an illness of 10 days. Genial, diplomatic, far-seeing and aggressive, few men in the seed trade were better known at home or abroad, and on lines all his own he pushed his way to the front from a very humble beginning, surmounting by sheer force difficulties that would have snuffed out men of far superior commercial training.

Mr. Braslan was born at Cambridge, Mass., July 1, 1863. He entered the employ of Jos. Breck & Sons, Boston, Mass., when 15 years of age, attending a commercial school evenings. He started on the road as traveling representative at the age of 17, remaining with the firm six years, the last year as manager of the seed department. In 1884 he formed a partnership with Jesse E. Northrup and Frank W. Brown, starting in business at Minneapolis as Northrup, Braslan & Co., Mr. Brown retiring after a few months. A. H. Goodwin, of New York, later acquired an interest in the firm, which was incorporated as the Northrup, Braslan, Goodwin Co. In 1894 a branch house was started in Chicago, Mr. Braslan assuming charge of same. In 1896, after reorganization of the firm, with which Mr. Braslan did not become again interested, he remained at Chicago for a short time in charge of the interests of Jos. Breck & Sons, his former employers. Realizing the great possibilities of California as a seed-growing center he located there, at first taking the agency of several seed growers and later establishing the Braslan Seed Growers' Co., at San Jose, where, in a comparatively few years, he succeeded in building up a large business.

Mr. Braslan was appointed by the governor a major in the Minnesota state troops while at Minneapolis and was commonly known by that title among many friends. There were six children, one brother and four sisters, of whom survive Mrs. Elizabeth McKeown and Anna Braslan, residing in Cambridge, Mass., and Mrs. Mary J. Mulcahy, residing in Minneapolis. Mr. Braslan's mother died in Cambridge in 1879 and his father, who had served in the civil war, died in Cambridge, 1902. The major was married three times, a son and daughter by his first wife, who died in Minneapolis, are both married, the former living in San Francisco, the latter in Minneapolis. His second wife, Georgia Lincoln, from whom he was separated, and a son 18 years old, live in New York. Mr. Braslan's wife and daughter, Olga, about 2 years of age, are at his late home in San Jose.

Major Braslan enjoyed a wide acquaintance east and west among leaders in many professions and lines of business and was cordially liked by thousands. He knew politicians, judges, senators and congressmen, professional people, railroad leaders, hotel men, musicians, players and singers and was the companion and on terms of good fellowship with the ablest with whom he came in contact. Few men pass from life who will be more generally missed and whose departure will be more sincerely deplored.

An Appreciation of Mr. Braslan.

We are shocked to learn of the death of Mr. Braslan and, especially, as the last time we saw Mr. Braslan he looked the picture of health, we thought. We have had no information since to lead us to think he was not enjoying his usual health.

Mr. Braslan came to us when a boy, in our seed department, and through his energy and ability, he advanced rapidly, through the various stages of stock man, salesman, representative on the road, until he was appointed manager of our seed department, a position which he held very creditably for a number of years. In 1883, he left us to go to Minneapolis, Minn., and shortly afterwards, the house of the Northrup-Braslan, Goodwin Co. was formed.

Mr. Braslan was a good seedsman. He had a thorough knowledge of the business in every department, from the time of putting out the seed stock, through the production and care of the crop; while its preparations for the market and detail of work connected with distributing it to the trade and consumers after its arrival in store, such as cataloging, advertising and care and manipulation of the seeds in every particular, were at his fingers' ends.

As a business man, as differentiated from a seedsman, he was brilliant in thought and rapid in execution.

He re-entered our employ in 1896, as manager of our Chicago warehouse, and continued with us there for about three years, until we closed out that branch of our business, at which time, if we remember rightly, he went to California.

We regret exceedingly to hear of Mr. Braslan's demise and his family and associates have our kindly sympathy in their bereavement.

CHARLES H. BRECK.

A Minneapolis Tribute.

Northrup, King & Co.'s store was closed between the hours of 12 m. and 2 p. m., December 6, out of respect to the memory of the late Chas. P. Braslan, former member of the firm, funeral services being held at San Jose, Calif., at that time.

William Kennedy.

William Kennedy, a well-known florist and landscape gardener of Greenfield, Mass., died at his home, November 23, after an illness of about a year's duration. He was born in 1841, in the north of Ireland, and came to America some 40 years ago. Before coming to America he had been employed upon the estates of the Duke of Argyle of Scotland, and Sir Richard Wallace of Ireland. Since coming to America he has had charge of several large estates and for seven years was superintendent of the estate of R. C. Nickerson of East Brewster. For a time he conducted a florist business in Greenfield.

Mr. Kennedy leaves a widow and six sons: Isaac, of Cleveland, a well-known florist of that city; Thomas, of Philadelphia; William, of Brookline; Sherrard and John, of Greenfield. The funeral was held November 25 at St. James church.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time. Advertising rates on application.

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Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO

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WARM PACKING for both plants and cut flowers is necessary after this date in all northern cities.

The Garden Beautiful.

Apparently there will be excursion trains from Chicago to Detroit before long. Mayor Breitmeyer has invited Mary Garden to come along with her "Salome" and Chief of Police Downey says he personally can "stand a good bit of art."—Chicago Inter Ocean.

American Carnation Society.

By Clyde Carnationary, Clyde, Ohio.
—E. G. Gillett—Prosperity x Maceo; color scarlet; size of flower, three and one-half inches. Strong and vigorous grower. Never burst the calyx. Extra long and stiff stems. Free and continuous bloomer.

A. F. J. BAUR, Secy.

WHERE plantings are not yet completed, mulch the ground to keep it open.

Our Christmas Number will go to press early next week, December 14. Advertisers and correspondents will therefore oblige by sending in their copy as promptly as possible.

The National Flower Show.

At a meeting last week in Horticultural Hall, Boston, the various committees of the National Flower Show, which will be held in that city March 25 to April 1, in connection with the Spring Convention of the Society of American Florists, the American Rose Society, The American Carnation Society, The American Gladiolus and the Massachusetts Horticultural Societies, the progress made up to the present time was so encouraging that those present were more confident than ever that this exhibition will prove not only the greatest ever held in the history of the florist trade, but will be of incalculable benefit to the trade in general.

The Committees of the Rose, Carnation and Gladiolus Societies were in attendance and submitted schedules for premiums, which will be placed in the hands of the printer and distributed at the earliest possible date. The following day at the meeting of the Show Committee and the Board of Control, several matters of general interest were brought up and the report of General Manager Chester I. Campbell was read. With the show still several months away, Manager Campbell has already disposed of a large amount of the space allotted to the trade exhibits and at the present writing practically more than double the revenue has been realized than at any previous convention or show ever before held. Every greenhouse construction concern of any prominence in the country has already taken space, and the heating apparatus, fertilizer, pottery and accessory manufacturers are giving such grand support as would warrant the assumption that at the opening of the exposition every available foot of exhibiting space will be utilized.

The Board of Control by unanimous vote have advanced the opening date to Saturday, March 25. This was deemed advisable owing to the fact that it will greatly assist those exhibitors from distant points. This of course gives the exhibitors the advantage of an extra day at no additional cost. Special efforts are being made to interest the owners of both large and small estates in New England, and the response has been most gratifying. Many concerns who have never before exhibited on similar occasions have taken space, notably the fertilizer companies and the gardeners and farmers of New England have been invited to bring samples of their soils and the experts of the companies will analyze the same and give their opinion as to what is required to improve the yield. In fact this is only one of the many novelties that will be introduced, the committee in charge being determined to make the coming exhibition one that will long be remembered by the trade as well as the interested public.

Following is a partial list of those who have already taken space, and, different from any previous convention and exhibit, it will be available for those until the eleventh hour, as preferred

positions are rapidly becoming scarce:

Pierson U-Bar Co., United States Radiator Corporation, Lunt-Moss Co., Means & Thacher, Kroeschell Bros., A. H. Hews Co., Lord & Burnham, Hitchings & Co., Geo. M. Garland Co., Hammond Paint and Slug Shot Works, The Foley Mfg. Co., Boston Plate and Window Glass Co., Revere Rubber Co., A. T. Stearns Lumber Co., Quaker City Machine Co., New England Mineral and Fertilizer Co., American Auxiliary Heating Co., American Agricultural Chemical Co., King Construction Co., Best Oil Co., Boston Belting Co., McFarland Publicity Service, H. Bayersdorfer & Co., H. M. Robinson & Co., Arthur T. Boddington & Co., Henry F. Michell Co., Thos. Grey & Co., Schloss & Co., Wertheimer Bros., R. & J. Farquahar, Wait Interlocking Steel Co., Welch Bros., Knight & Struck, F. R. Pierson Co., A. N. Pierson, Inc., John Lewis Childs, The C. W. Brownell Co., Aphine Mfg. Co., J. Jarndahl, J. G. Harrison & Sons, B. H. Tracy, Robt. Craig, The Advance Co., Bowker Fertilizer Co., Bradley Fertilizer Co., J. Q. Admans & Co., and Pennock-Meehan Co.

Lord & Burnham Co.'s Catalogue.

The catalogue issued by The Lord & Burnham Co., which they have titled "Some Greenhouses We Have Built," is the most complete book on this subject which they have ever issued. It is replete with beautiful illustrations of the different styles of greenhouses which they have erected, showing both interior and exterior views of iron frame houses built for different purposes. The book is chaptered so that the busy man can easily find the subject for which he is looking and yet every detail is concisely and clearly described. The chapters devoted to the planting, locating and making estimates on iron frame construction and the equipment for completely erecting these structures is especially interesting. The three standard types, the straight roof, curved eave and curvilinear, have been arranged in groups and every subject given a plan number which with views and ground plan makes each one complete by itself. The chapters on fruit growing and the broader uses of conservatories and glassed-in porches very fully describe these features. The book is printed on extra quality paper and beautifully bound, and made very attractive in every manner.

American Gladiolus Society.

The American Gladiolus Society has offered the following list of premiums, open to all, for forced gladiolus to be exhibited at the National Flower Show:

For best dinner table, set for four, decorated with forced gladioli—1st prize, \$10; 2d, \$6; 3d, \$3.

Most artistically arranged basket of blooms—1st, \$5; 2d, \$3; 3d, \$2.

Best center piece—1st, \$10; 2d, \$5; 3d, \$3.

Best twenty-four spikes not less than four large flowered varieties—1st, \$5; 2d, \$3; 3d, \$2.

Best display of named gladioli, to occupy twenty square feet space—1st, \$12; 2d, \$8; 3d, \$5.

Best display of gladioli, Colville type, to occupy 20 square feet space—who contemplate exhibiting not to wait 1st, \$10; 2d, \$5; 3d, \$3.

Ferns, asparagus, smilax or foliage may be used for effect in all classes.

H. YOWELL,

Chairman Exhibition Committee.

Washington.**FAIR BUSINESS.**

The business of the past week was very fair, with greater expectations for the opening of congress. The most notable event of the past week was the debut of Miss Helen Taft, daughter of the President. Orders were received by nearly every retail florist in this city for floral pieces in honor of the event. Noteworthy were those executed by Geo. H. Cooke, A. Gude & Bro. and J. H. Small & Sons. Z. D. Blackstone, F. H. Kramer and Geo. C. Shaffer also sent fine designs. The white house was literally banked with flowers that were sent as tributes of appreciation. In addition to these the house decorations executed by the florists of the United States Propagating Gardens added greatly to the effect.

NOTES.

Archibald Small, a brother to J. H. Small and C. A. Small, retail florists of this city and New York, who has a farm at Silver Spring, is in a very critical condition at his home on account of an attack from a vicious hog. He went into the brute's pen to rescue a little pig, and being a fearless man he did not take even a stick with him. The fierce animal rushed at him, knocked him senseless and was tearing him to pieces when one of his employees arrived with a pitchfork and after a fierce fight drove the beast away. Expert surgeons were at once called from this city and an operation was performed. The fear now is that blood poisoning may set in. "Archie" Small, as he is well known to many, both in this city and New York, is a trained florist, but in recent years he has taken up farming. He has always been a genial and kindly man and has a host of friends, and the result of his injuries will be awaited with anxiety and sympathy.

F. H. Kramer, in addition to the many floral attractions at his F street store, has recently added a lot of waltzing mice from Japan. These little fellows by their peculiar antics keep a crowd constantly in front of his show windows. A. F. F.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

Situation Wanted—Position as foreman by all round grower of roses and commercial stock in general, including orchids. Address
Key 345, care American Florist.

Situation Wanted—By first-class designer, decorator and salesman in Chicago; 14 years' experience; capable of taking charge; can show good references.
Key 347, care American Florist.

Help Wanted—Experienced A1 florist; must be good salesman and able to do decorative work and make up; good wages. Apply
ALPHA FLORAL CO.,
197 Wabash Ave., Chicago.

Help Wanted—A neat, clean, single young man on a private job; with a couple of years' experience in greenhouse and outdoor work; good position for the right party, who is willing to learn under a head gardener. Please state age, nationality and references in first letter. Address
C. H. B., Box 103, Green Lake, Wis.

For Sale Cheap—R turn tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and stack complete. Insured at 80 lbs. pressure.
W. H. BARRETT, Adrian, Mich

Wanted To Rent or Buy—About 5,000 feet of glass in good business town; must be in good repair. Address
Key 349, care American Florist.

Help Wanted

Practical gardener for private place in the west. State age, married or single, experience, references, and salary expected. Address

Key 350, care American Florist.

Commercial or Private Place.

Young man thoroughly qualified in all lines of commercial floriculture and private gardening, is open to engagement. Single; excellent references. Address

Key 348, care American Florist.

FLORIST,

Salesman and high class maker-up; a man with thorough experience and the best of recommendation can find employment with a high class New York florist; wages to start, \$25.00 per week. Address Key 236, care American Florist.

For Rent Upon Shares.

A garden of ten acres, 5,000 feet of glass devoted to early vegetables and budding plants. Good nine-room house; large barn and all necessary outbuildings.

OREN DICKASON,
56½ Public Square, LIMA, OHIO

Manager or Superintendent of Commercial Greenhouse

A thoroughly competent grower of all classes of commercial greenhouse plants and cut flowers desires a position as manager or superintendent of modern commercial plant. Advertiser can show the highest credentials. State salary. Address.

Key 351, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

SUPERINTENDENT

A first-class man with life experience in all branches of work on a large General Estate is open for engagement Dec. 1. Have a thorough knowledge of every detail of the work on an Estate where the highest class products are required. Systematic and economical in management and highly recommended. Address
Key 234 Care American Florist.

For Sale.

A well established florist and seed store; new clean stock of all kinds of seed; no opposition; busiest part of Berkeley; best part of the year commencing attractive windows, artistic furniture and fittings, large space partitioned off into four rooms. This is no "get rich quick" proposition but a good honest living for anyone not afraid of work; low rent; price \$1500.

THE KENSINGTON FLORIST,
3310 Adeline St., So Berkeley, Calif.

OFFICIAL S. A. F.**Shipping Labels**

Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid

Christmas Plants and

will soon be in demand. Are YOU prepared for the rush?



KENTIA.

Kentia Belmoriana

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.	100
2½-in.	8 to 10-in.	...	\$ 1.50	\$10.00	
3 -in.	12-in.	...	2.00	15.00	
4 -in.	14 to 16-in.	4 to 5...	0.50	4.50	35.00
	20 to 22-in.	4 to 5...	.75	9.00	
	22 to 24-in.	4 to 6...	1.00	12.00	
6 -in.	26 to 28-in.	6 to 7...	1.50	18.00	
7 -in.	28 to 30-in.	6 to 7...	2.50	30.00	
8 -in.	42 to 48-in.	6 to 7...	5.00		
9 -in.	54 to 60-in.	6 to 7...	7.00		
	60 to 64-in.	6 to 7...	15.00		

Kentia Forsteriana

Pot	Height	Leaves	Each	Doz.
2-in.	6 to 7-in.	3 to 4...	...	\$1.50
3-in.	10 to 15-in.	4 to 5...	...	2.00
4-in.	16 to 18-in.	5 to 6...	...	4.50
			Each	
5-in.	24 to 28-in.	5 to 6...	...	\$0.75
6-in.	36 to 40-in.	5 to 6...	...	4.50
7-in.	36 to 40-in.	6 to 7...	...	2.50
8-in.	40 to 44-in.	6 to 7...	...	3.00
9-in.	48 to 50-in.	6 to 7...	...	5.00

Made-up Plants

46 to 48-in. high, 3 in a pot, each, \$2.25			
Tubs	Height	Plants in tub	Each
9-in.	48 to 50-in.	4	\$ 6.00
10-in.	54 to 60-in.	4	10.00

Crotons

Just the thing for foliage baskets.		
3-in. pots	per doz.	\$2.00
4-in. pots	per doz.	3.00

Boxwoods

2 ft. high	each,	\$ 1.00
Pyramids, 5 ft. high	per pair,	15.00

Asparagus Sprengeri Baskets

Nicely furnished at.....	each,	\$1.00
Boston Fern Baskets at.....	each,	1.00

Cocos Weddelliana

3-in. pots	per doz.,	\$2.50
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Baby Primulas

5-in. pots	per doz.,	\$2.00
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Primula Obconica

4-in. pots	per doz.,	\$1.50
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POINSETTIA

Poinsettias

3-in. pots	Per doz.	\$ 1.50
4-in. pots		3.00
Pans, 3 in a pan.		7.20
Specialty selected		9.00
Pans, 4 in a pan.		12.00

Pepper Plants

5-in. pots	per doz.,	\$2.50
6-in. pots	per doz.,	3.00



DRACAENA FRAGRANS

The above is one of our 75c Plants.

Dracaena Fragrans

5-in. pots,	10 to 12-in. high,	Each	Doz.
6-in. pots,	12 to 14-in. high,	.75	\$ 5.00
7-in. pots,	14 to 16-in. high,	1.00	9.00
8-in. pots,	16 to 20-in. high,	1.50	12.00
			18.00

Areca Lutescens

Made-up Plants

Pot	Leaves	Height	Each
8-in	12 to 20	30 to 36-in.	\$4.00

Phoenix Canariensis.

30 to 36-in. high, 8-in. tub.	Each	\$2.50
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Phoenix Roebelenii

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

2-in. pots	Each	Doz.
3-in. pots	\$0.25	\$3.00
4-in. pots	.50	6.00
8-in. tubs	.75	9.00
	4.00	

Order Today-- But if you don't see what you want in this list, send us a postal with your name and address and ask for our Catalogue of Ornamental Shrubs, Trees, etc., and Complete Price List of Decorative Stock.

THE GEO.

Cincinnati.

SUPPLY INCREASING.

The supply of stock increased considerably the past week, in fact faster than the demand; still there was nothing worthy left over. This may seem a peculiar statement, but the facts are these: The buyers are ordering just as heavily this week as they did at last writing, but their orders are generally filled in full, while last week they got only a substantial part of what they wanted. The increased demand from out of town also takes its share of stock on hand. The prices in general are about the same as they have been since Thanksgiving with prospects of

immediate advances on some lines. Roses of all kinds, especially white, are coming in stronger and according to advices from some of the growers will continue so for the next fortnight or two. Carnations have not increased in supply and the prices are going up. Single violets are still backward, double violets and lily of the valley are sufficient for every demand. Lilium Longiflorum, callas, stevia and narcissus are also offered. Middle Jeanne Nonin, W. H. Chadwick and Mrs. Jerome Jones are the best of the chrysanthemums on the market. There is a good demand for green goods and an ample supply. All of the wholesale houses report heavy advance bookings for the holidays.

NOTES.

Wm. Gear and a party of friends including Albert Sunderbruch and Charles Hoffmeister took an automobile ride November 29, visiting Bloomhurst. They reported everything in tip top condition. The carnations are easily some of the best on the market.

R. Witterstaetter has practically all his glass which is devoted to carnations planted to his new seedlings, which are all looking promising. His house of Boston and Harris type of Boston ferns are fine.

"Sprinkleproof" Samuel Seligman of Wertheimer Bros., New York, was one of our well pleased callers. His ever increasing personality shows the good results.

Other Decorative Stock

Wittbold's stock will surely please both you and your customers.



ASPARAGUS SPRENGERI

Asparagus Sprengeri

2-in. pots	per 100,	\$ 3.00
3-in. pots	per 100,	6.00
4-in. pots	per 100,	12.00

Asparagus Plumosus Nanus

	Per doz.	100
2-in. pots	\$0.50	\$ 3.00
3-in. pots	.75	8.00
4-in. pots	1.50	12.00

Fine Ferns

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense. Pteris adiantoides. Pteris cretica albo-lineata. Pteris Ouwardi. Pteris serrulata. Pteris Wimsetti. Pteris tremulata. 2-in. pots, 40c per doz.; \$3.00 per 100.

Fern Balls (in leaf)

5 to 7-in.	per doz.,	\$3.00
7 to 9-in.	per doz.,	4.20

Aspidistra Lurida, Variegated

15c per leaf plants, \$1.00 and upwards

Latania Borbonica

Pot	Leaves	Height	Each	Doz.	100
3-in.	3 to 4	10 to 12-in.	.....	\$ 1.50	\$10.00
4-in.	4 to 5	12 to 15-in.	\$0.25	3.00	25.00
5-in.	7 to 8	24 to 28-in.	1.50	18.00	

Pandanus Veltchli

	Each	Doz.
4 in	\$0.50	\$6.00



AZALEA

Azaleas in Flower

Such as Mme. Petrick, Deutche Perle, Vervaneana and Simon Mardner, at 50c, 75c, \$1.00, \$1.50, \$2.00 and \$2.50.

Send in your order today; leave the selection to us, and you will be well pleased.

Wandering Jew

Variegated or Tradescantia

2-in. pots	per doz.,	\$0.50
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ARAUCARIA

Araucaria Excelsa

5-in. pots	per doz.,	\$ 9.00
6-in. pots	per doz.,	12.00
7-in. pots	per doz.,	18.00

Nephrolepis Bostoniensis

Pot	Doz.	100
3-in.	\$ 1.00	\$ 8.00
4-in.	1.50	12.00
5-in.	3.00	25.00
6-in.	6.00	45.00
7-in.	9.00	70.00
8-in.	12.00	90.00
9-in.	15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.

Ficus Pandurata

6-in. pots, 36-in. high	each,	\$2.50
7-in. pots, 48-in. high	each,	3.50

Euonymus Variegatus

5-in. pots	per doz.,	\$4.20
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WITTBOLD CO. 737-739 BUCKINGHAM PLACE,
L. D. Phone
Graceland 1112 **CHICAGO**

The flower show committee state that they are formulating plans for a \$10,000 show next fall, which they will present at the Florists' Society meeting Monday, December 12.

C. E. Critchell is finding a strong demand for the new bronze galax which he has been offering for some weeks.

Dille & Konzelmann of Greensburg, Ind., are sending some fine carnations to E. C. Gillett.

Walter Gray, Jr., is now a proud papa. It is a 10½ pound baby boy.

Wm. Murphy is stocking his store with holiday decorative greens.

Visitors: Wm. and Henry Lodder, Hamilton; Jos. Goldman of Middletown, Oscar Herms of Portsmouth, J.

W. Waltz of Vevey, Ind.; D. J. Murphy of New Castle, Ind.; Allie Honaker, Lexington, Ky.; ——— Gurlock of Piqua, and Wm. Sutherland of West Union.

The bowling scores are as follows:

		Av.
C. E. Critchell	167	191
Albert Sunderbruch	183	113
Ed. Witterstaetter	178	175
Al. Horning	155	157
Al. Heckman	211	155
J. Allan	158	145
Thos. Jackson	147	150
Leo Witterstaetter	131	135
Ray Murphy	109	168
Geo. Gotzhow	133	113
Ben George	122	119
Chas. Hoffmeister	135	106
Lawrence Fritz	159	116
O. H. Hoffmeister	128	136
Alex. Ostendarp	67	99
Ed. Bossmeyer	108	100

WEST GROVE, PA.—An impromptu reception was tendered P. J. Lynch and his bride on their visit at the Lynch sisters' residence on Nursery hill. The inclement weather did not deter the friends, relatives and the employees of the Dingee & Conard Co. from assembling and extending hearty congratulations.

SPRINGFIELD, O.—The Reeser Plant Co. was incorporated November 23, with a capital stock of \$12,000, the incorporators being H. C. Reeser, John M. Good, J. F. Businger, C. A. Schafer and Arthur Todd. The new company will take over the plant formerly conducted by Reeser & Youngstrand. Mr. Youngstrand has sold his interest and will move to Chicago.

Notice! The Expressman's Strike Is Now a Thing of the Past.

Have your mind now on business. Be wide awake and

PREPARE FOR THE HOLIDAYS

It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for **Godfrey Aschmann's Greenhouses**, to the old reliable firm who has always looked after your interests and who protects you.

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

If you have room, now is the time to purchase your supply while the weather is mild and shipment can be made more safely, and while we have a big stock of everything at bargain prices.



A HOUSE FULL OF BEGONIA GLOIRE DE LORRAINE. WHO CAN BEAT THAT?

Begonia Gloire de Lorraine

**Begonia Gloire de Lorraine
to Beat the Band.**

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes, in bud and partly in bloom, ready

AZALEA INDICA.

Already forced for Christmas, showing color now, and put away in colder houses ready for shipment. Deutsche Perle, pure double white; Simon Mardner large double pink; Vervaneana, double pink variegated. Price: 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each. Remember, only the best and healthiest stock should be selected for Christmas, as poor, weak Azaleas won't force successfully for Christmas. Don't order many 75c ones, because we won't have them. Larger sizes and also white ones must accompany the order.

For Easter Forcing we have only the well known standard American market varieties, such as Mme. Van der Cruyssen, pink, very scarce this year in Belgium. 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Niobe, double white, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Deutsche Perle, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Helena Thielman, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; President Oswald de Kerkove, \$1.00 to \$1.50; Schryveriana 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Empress of India, double variegated, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Professor Wolters, 75c, 1.00, \$1.25 to \$1.50; Vervaneana, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, 60c, 75c, \$1.00 to \$1.25; Simon Mardner, 50c, 60c, 75c, \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Remember it is the wide awake man that is not afraid to invest a dollar that makes the money. **Jerusalem Cherries**, or Solanum 6-in. pots, 25c, 35c, 50c; full of ripe berries. **Cocos Weddelliana**, 3 in. pots, 15c, 18c and 20c.

for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Begonia Gloire de Lorraine on the market. They were crackerjacks indeed! We have the deep pink and the light pink (Lonsdale) varieties, 6 in. pots, 50c, 75c to \$1.00; 7 in., \$1.25 to \$1.50; 3 in. (if transplanted soon will make good 4-in. for Christmas), 15c each \$15.00 per 100. If you have room you should order now because they are always scarce at Christmas. Other sizes must be taken in connection with 50c sizes.

Begonia Rex, 4-in., 20c.

LEADER in **LEADER** in
FERNS **Begonia Gloire de Lorraine,**
Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER in
Azalea Indica.

Our Ferns this year are exceptionally very fine **Boston, Scottii, Whitmani and Scholzei**, 5½ and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on Scottii, much shorter and bushier than Scottii, 5½ in. pots, 50c; 3-in. pots, 25c.

Please look at our special low prices for superior stock in

Rubber Plants, 6-in. pots, 35c, 40c and 50c; 5-in., 25c.
Asparagus Sprengeri, 2½ in., 3c; 4-in., 10c.
Asparagus Plumosus, 2½ in., 4c.
Primula Chinensis, 5¼ in., \$2.50 per doz.
Primula Obconica, finest strain, 5½ in., 25c 6-in., very large and extra fine, 35c.
Hydrangea Otaksa, 6-7 in. pots pot-grown (only pot-grown will force successfully for Easter); price, 25c, 30c, 50c to 75c.
Cineraria Grandiflora Hybrida, Aschmann's well-known strain, 2-in. pots, \$3.00 per 100; 4-in., 10c.
Dracena Bruanti, 25 to 30 in. high, 6-in. pots, 40c to 50c. Highly recommended for store and house decoration; stands heat cold and dust.
Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.
Adiantum Hybridum, 6-in. pan 25c to 30c.
Cyclamen Grandiflora, best strain, 4-in., 25c 3 in., 15c, in bud only.
Kentia Forsteriana, in fine shape 6-in. pots, 30 35 40 45 in. high, 4-5 6 years old, 75c \$1.00 \$1.25 \$1.50, \$2.00 to \$2.50 each.
Kentia Belmoreana, 25 30 35 40 in. high, 5-5½ 6-7 in. pots, 5-6 7 years old, 75c, pots large enough for 5 in., 25c; 5¼ in., 35c; 3-in., large enough for 4 in., 15c, \$1.00, \$1.25, \$1.50 to \$2.00 each.; 5-in., 20c.
Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots \$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high, 20c to 25c.

Poinsettias, 4 in. pots, 25c.
Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.
Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa, Robusta Compacta and Glauca**. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½ 6-7 in. pots, 12-15 18 20-25 30 in. high, 3-4 5-6 tiers, 2 3-4 5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elegant 6-in. pot, 4 years old 4-5 6 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6-in. pot, 5 years old, 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00; and what do you think? a holy terror 30 in. and over, 5-6 7 tiers, worth \$1.00, for only \$1.25 to \$1.50.

Robusta Compacta, Excelsa Glauca, 6-in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each.

We also have the nicest **Araucaria Robusta Compacta and Excelsa Glauca**, a house full, good enough to decorate the White House, kings and emperors, bankers and merchants, suitable for the cosiest corners of their residences as well as the poor man's Christmas table, for only \$1.15 to \$1.50, worth double.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.



GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants,

1012 West Ontario Street, Philadelphia, Pa.

HIGH GRADE CUT FLOWERS

== ROSES ==

We are now cutting an especially excellent grade of **KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, BRIDESMAID and AMERICAN BEAUTIES** which for quality excel all others in the market.

CARNATIONS

We are cutting heavily in all the leading varieties of **Carnations** and can fill your orders at all times. **If you are looking for the best in the market send your orders to us.**



Our aim is to so satisfy you that you will never think of buying elsewhere. **A trial order will convince you** that our stock is of A1 quality and the best there is coming in the Chicago market. **Send in your trial order now and become one of our satisfied customers.** Watch what one of our customers have to say in one of our later ads.

No Order Too Large.

No Order Too Small.

No charge for Packing and Delivering.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone
Randolph 2758.

CHICAGO.

WE HAD THE BEST BEAUTIES IN 1909 They Are Still Best in 1910

Our Beauties won first prize in every Flower Show in which they were exhibited.

Every **ROSE** Entry we made was a prize-winner. **ALL OUR STOCK IS THE SAME HIGH QUALITY**

AMERICAN BEAUTIES	
	Per doz.
Extra long.....	\$4.00
30 to 36 inches.....	3.00
24 inches.....	2.50
15 to 18 inches.....	2.00
12 inches.....	1.50
	Per 100
Short stems.....	\$6.00 to \$8.00

**Maids, Maryland, Richmond, Killarney,
Brides, White Killarney, Kaiserin,
Rhea Reid**

	Per 100
Extra select.....	10.00
Good lengths.....	8.00
Medium lengths.....	\$5.00 to 6.00
Good short lengths.....	3.00 to 4.00

CARNATIONS		Per 100
Fancy, red, white and pink.....		\$5.00
Medium, red or pink.....		4.00
HARRISH LILIES	per doz.	\$2.00
".....	per 100,	15.00
Lily of the Valley	per 100,	\$3.00 to 4.00
Asparagus	per string,	.60
Asparagus Sprays	per 100,	\$2.00 to 4.00
Sprengerl	per 100,	2.00 to 3.00
Ferns	per 1000,	2.00
Smilax	per doz.,	1.50
Adiantum	per 100,	1.00
Galax, Green	per 1000,	1.00
" Bronze	per 1000,	1.25
Select Pink and White Sweet Peas	per 100,	1.00

ROSES, Our selection, \$3.00 per 100.

—Buy Direct of the Grower and Get Fresh Stock.—

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois,

Chicago.

DARK WEATHER.

The short dark days are now here, and for the last week the weather has been cloudy and cold with many snow flurries and consequently the quantity of flowers has reduced considerably. Still the trade, as is usual at this season, is not calling for any great abundance and while in some lines there is an apparent shortage, yet with the exception of carnations and short stemmed roses there is plenty to fill all the orders received. Some of the large rose growers appear to be on the start of a grand cut for the holidays, but others look as if they were backward, and if the weather continues the dark aspect of the last few days it now looks as if the buyer who orders early for the holidays and gets his stock promised will be the only one who will succeed in getting it filled, and the one who waits until the last minute in placing his order will find too late that the stock will not be forthcoming. Chrysanthemums are practically at an end, there being but very few seen on the market, and the chrysanthemum season of 1910 is practically closed. Roses are being received in good supply except in the shorter grades. American Beauty in the long stemmed grades are superb and plentiful enough to supply the demand. Killarney are in good supply and of good length of stem, but are showing the effect of the dark weather and lack the brilliant color which they had some weeks ago. Richmond are in good supply at the present demand, but being the Christmas color the demand will be heavy for the holidays, and the supply will have to increase to meet the increased call at that season. Carnations are decidedly short and are not being received in normal quantities for the season. Whether it is owing

to the poor summer growth or some other reason the cut is not equal to other years, and a great shortage of this popular flower may be expected. Orchids are in fair demand and cypripediums are quite plentiful. Violets are coming in a little more plentiful and are the only flowers which appear to be in over-supply. Paper white narcissus, Roman hyacinths, stevia and other smaller flowers are in quantities enough to meet the demand. Christmas greens are seen on every side, boxwood is having a good sale, and the early orders for holly are being booked. Bouquet green is very scarce and the price is high. The potted plants are being shown in the windows of the retailers and Christmas preparations are in progress.

NOTES.

The incoming of the new officers at the Cook county buildings on December 5, the last election resulting in an almost complete overturn by the dominant parties, was a happy occasion for the florists of the city. The rooms of the various offices were resplendent with floral beauties and many beautiful and fantastic arrangements were ordered and executed by the different retail houses beside the large quantities of cut flowers furnished for the occasion.

Having experienced difficulty in obtaining a good stock of lily of the valley to meet the demand of their trade, J. A. Budlong have concluded to grow their own, receiving the first stock at the store this week. They have named their stock Blue Ribbon valley and expect to be bountifully supplied. The roses are just coming into crop and the grade now being received is excellent.

Clifford Pruner of E. H. Hunt's supply department escorted us into their large show room December 6, where

they have on exhibition a fine assortment of baskets of every description and in all shades and colors. Miss C. Burkart of this department is on the sick list, suffering from a severe cold.

A. L. Vaughan of Vaughan & Sperry has been visiting his growers and reports the stock to be in fine condition. A large cut of American Beauty roses, mostly of a long-stemmed grade, is assured for the holidays. Some extra fine mistletoe was seen at the store this week.

Manager A. T. Pyfer of the Chicago Carnation Co. reports a fine advance sale for rooted cuttings of their new carnation Washington. We saw at the store three new carnation seedlings that were sent in by the Wm. Blackmann Floral Co. of Evansville, Ind., that looked very promising.

Raichart & Krejci, 3250 West Twenty-sixth street, have installed a new solid oak ice-box which was built to order by Buchbinder Bros., 516 Milwaukee avenue. The ice-box is very attractive and adds greatly to the interior appearance of the store.

J. E. Lapes, of Cedar Rapids, Ia., spent the greater part of last week in the city on business, returning home December 2. Mr. Lapes informed us that J. G. Crozer has opened a floral department in Denecke's department store in that city.

Wietor Bros. have just installed a Superior hot water boiler at their establishment on High Ridge. Henry Wietor is enjoying a few weeks' hunting at Cascade, Ia. This firm is now cutting a fine grade of American Beauty. Killarney, White Killarney and other roses.

C. L. Washburn has been suffering the past week from a severe attack of the grip and has been under the care of a physician. We noticed a large quantity of American Beauty roses at the store this week and were informed

BEAUTIES

We are now receiving extra large shipments of American Beauty Roses which include **Wm. Dittman's famous New Castle, Ind., stock**, which needs no introduction to the trade as it is the finest stock in the Chicago market.

Price List.

AMERICAN BEAUTIES		Per doz.
Long stems.....		\$1 00
30-inch stems.....		3 00
24-inch stems.....		2 50
20-inch stems.....		2 00
15-inch stems.....		1 50
12-inch stems.....		1 25
		Per 100
Richmond, fancy.....	\$ 8 00 to \$10 00	
Select.....		6 00
Medium.....	4 00 to	5 00
Killarney, fancy.....	8 00 to	10 00
Select.....		6 00
Medium.....	4 00 to	5 00
Bridesmaid, special.....	6 00 to	8 00
Medium.....	4 00 to	5 00
Bride, special.....	6 00 to	8 00
Medium.....	4 00 to	5 00
My Maryland, select.....	8 00 to	10 00
Medium.....	4 00 to	5 00
ROSES, our selection.....		4 00
CATTLEYA LABIATA,		
per doz., \$9 00 to \$12 00		
Carnations.....	3 00 to	4 00
Valley.....		4 00
Easter Lilies.....	12 00 to	15 00
Sprengerl.....per bunch	35 to	50
Asparagus plumosus,		
extra quality per bunch	50 to	75
Fancy Ferns, per 1000.....		2 00
Wild Smilax,.....per case..		5 00
Violets.....	1 00 to	1 50
Boxwood, 25c per lb.; 50 lbs..		\$7 50
Mistletoe,.....per lb.		25
Original case of 25 lbs.		5 00

KILLARNEY

Both White and Pink

Are arriving in splendid condition and such quantity that we are able to fill all orders. Never before have we received such a fancy grade as we offer now.

Plenty of all Other Seasonable Stock

Besides the above mentioned varieties of roses, we have an exceptionally good grade of **Richmond, Bride and Bridesmaid roses**.

Carnations...

A fancy grade of all the leading varieties is included among the daily shipments and equal any now in the market.

Mistletoe Our mistletoe is extra fine and the best that money can buy. Send in your orders now. Plenty of it.

Boxwood, Ferns, Leucothoe and Mexican Ivy.

Send Your Xmas Order to Us. We Will Fill it to Your Satisfaction.

VAUGHAN & SPERRY

Long Distance Pnone, Central 2571.

52-54 Wabash Avenue, **CHICAGO.**

Poehlmann Bros. Co.

Long Distance Phone
Randolph 35.

Office and Salesroom,
33-35-37 Randolph St., CHICAGO, ILL.

CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long specials.....	\$4 00
36 inch.....	3 00
30 inch.....	2 50
24 inch.....	2 00
18 inch.....	1 50
15 inch.....	1 00
Shorter...per 100, \$4 00. \$6 00.	

	Per 100
Killarney, fancy.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00

	Per 100
Cardinal, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00

Extra Special Roses charged accordingly.

	Per 100
Richmond, fancy.....	\$10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
My Maryland, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
White Killarney, fancy.....	10 00
Long.....	8 00
Medium.....	6 00
Short.....	3 00 to 4 00
Perle, long.....	8 00
Medium.....	4 00 to 6 00
Short.....	2 00 to 3 00
Orchids, Cattleyas.....per doz.,	9 00 to 12 00
Ca la Lilies.....per doz.,	2 00

Subject to change without notice.

	Per 100
Carnations, extra fancy White	
Perfection and Red.....	\$ 5 00
Carnations, good.....	4 00
Stevia.....	1 50
Harrisii Lilies.....per doz., \$2 00	12 00
Valley.....	\$3 00 to 5 00
Violets.....	1 00
Sweet Peas.....	1 00 to 1 50
Plumous Sprays, Sprenger.....	2 00 to 3 00
Plumous Strings, extra long,	
.....per string 60c	
Smilax.....per dozen \$1 50 to \$2 00	
Galax.....per 1000, 1 00	
Ferns, fine, com.....	2 00
Boxwood.....per bunch, 35	
Adiantum Croweanum.....	75 to 1 00

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

that their daily cut is now 1,000 blooms.

Anton Then, Sr., died December 1 at his home on Western avenue, at the age of 82 years. The funeral was held from the residence Sunday, December 4. The interment was at St. Boniface cemetery. He is survived by the widow, three sons and a daughter. The floral offerings were very numerous and beautiful.

Peter Reinberg is cutting heavily in Killarney and White Killarney roses of good quality. This firm will be particularly well fixed on red carnations, the leading Christmas color, and are now booking orders for the holidays.

Chas. W. McKellar is receiving a fancy grade of yellow oncidiums that are finding a very ready sale. We also noticed a large quantity of bouvardias of good quality now included in the daily shipments.

August Jurgens, 2241 Herndon street, returned November 30 from a three weeks' trip in the south. The time was spent traveling and visiting in Tennessee and Mississippi and an enjoyable time is reported.

Stollery Bros., the Wilson avenue florists, report a very busy season. They have a very fine lot of plants for the Christmas trade, including poinsettias cyclamen and Jerusalem cherries.

William P. Craig of Philadelphia was a visitor to the city the last week, calling on the various retail houses, and pushing the fine Christmas stock for which the Philadelphia house is noted.

H. W. Buckbee of Rockford paid this city a visit on December 1, returning home the same evening. Business is good and the outlook for a lively Christmas trade is very promising.

Hoerber Bros. are cutting a large quantity of roses, with Killarney, White Killarney and Richmond remarkably good. This firm is filling many large orders for carnations.

It was a great pleasure to be welcomed by John Risch when we entered the store this week and found him sufficiently recovered from his recent illness to be back at the store.

E. J. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia, Pa., was in town this week showing blooms of Double Killarney and Melody, his firm's new roses.

The J. B. Deamud Co. is receiving good consignments of carnations of very fine quality. The Christmas

greens are now beginning to arrive in splendid shape.

The renovations to the building occupied by the Chicago Rose Co. are nearing completion. A new entrance on Wabash avenue was finished this week.

The Poehlmann Bros. Co. is receiving superb American Beauty roses and the lily of the valley maintains the high quality for which it has acquired note.

Zech & Mann are receiving a large quantity of all the different flowers of the season. Killarney and White Killarney roses are in fine condition.

J. W. Starrett is kept very busy at the Hotel La Salle arranging the decorations for the numerous banquets held at this noted hostelry.

C. C. Taylor, representing the Kentucky Tobacco Product Co., of Louisville, Ky., is calling on the local growers this week.

Kyle & Foerster are receiving an extra fine grade of W. H. Chadwick and Golden Chadwick chrysanthemums.

J. B. Opitz, 3626 Cottage Grove avenue, had an exceedingly busy day December 3, with funeral work and other orders.

Louis Wittbold is erecting a three-flat building on Buckingham place, one block east of the Geo. Wittbold Co.'s store.

W. W. Fuller, 4526 West Ravenswood Park, is enjoying a very busy season and reports a record-breaking sale of chrysanthemums on November 24.

E. E. Pieser of Kennicott Bros. Co. has been confined to his home the past week with a severe attack of lumbago.

The A. L. Randall Co. is filling a large number of orders for a fancy grade of carnations which they are handling.

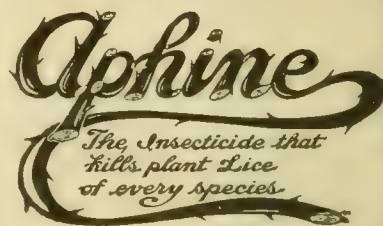
At John Kruchten's the Killarney and White Killarney roses which we saw are of exceptionally good quality.

J. A. Mendel, who was elected county commissioner at the recent election, took his seat of office December 5.

A meeting of the Florists' Experiment station advisory board will be held at Urbana December 8.

H. Van Gelder is receiving a fancy grade of roses, carnations and double violets of good quality.

The F. C. Amling Co. is receiving a large shipment of American Beauty roses every day.



Does all that is
claimed for it.

It has proved itself to be one of the cheapest and most effective insecticides known today.

Aphine does not alone destroy the insects, but also contains excellent cleaning qualities, in fact, some experts claim it invigorates plant life.

HAVE YOU TRIED IT?

\$2.50 per gallon, \$1.00 per quart.

Get it from your Seedsmen.

MANUFACTURED BY

Aphine Manufacturing Co.
MADISON, N. J.

A baby girl was born to Mr. and Mrs. D. J. Murphy at St. Joseph's hospital December 2.

Visitors.—E. J. Fancourt, representing Pennock-Meehan Co., Philadelphia, Pa.; Wm. P. Craig, Philadelphia, Pa.; J. E. Lapes, Cedar Rapids, Ia.; E. A. Feters and wife, Detroit, Mich.; Frank X. Gorley of Grimm & Gorley, St. Louis, Mo.; C. C. Taylor, representing Kentucky Tobacco Product Co., Louisville, Ky.; L. R. Taft, Agricultural College, Michigan.

SAN ANGELO, TEXAS.—The Nussbaumer Floral Co. has turned its attention to orchids and has converted a portion of the palm houses to their culture. They have acquired the entire stock of the Chatogue Greenhouse of Mobile, Ala., consisting mainly of Cattleya trianae and C. mossiae.

Am. Beauties

Our American Beauty Roses are arriving in splendid condition, on long stems, with splendid foliage and color, and in such quantity that we are able to fill all orders.

RICHMONDS

Our Richmonds, the Cream of the Market, are really magnificent -- fine long stems, with beautiful foliage and long buds of the deepest crimson

If you are looking for stock that will please your customers and increase your sales, send in your order for Richmonds today.

CHRISTMAS PRICE LIST.

AMERICAN BEAUTIES

	per doz.
Extra long stems.....	\$12 00
36 inch stems.....	10 00
34 inch stems.....	9 00
24 inch stems.....	8 00
20 inch stems.....	6 00
18 inch stems.....	5 00
15 inch stems.....	4 00
12 inch stems.....	3 00
Short stems.....	2 00

Per 100

Richmond.....	Special.....	\$25 00
Killarney.....	Select.....	\$15 00 to \$20 00
White Killarney.....	Medium.....	10 00 to 12 00
Mrs. Marshall Field.....	Short.....	6 00 to 8 00
Maryland.....		
Uncle John.....		
Bride.....	Select.....	12 00 to 15 00
Ivory.....	Medium.....	6 00 to 8 00
Sunrise.....		
Golden Gate.....		

ROSES, Our Selection, \$6.00 per 100

	Per 100
CARNATIONS, White and Pink.....	\$ 6 00
Fancy White and Pick.....	8 00
Harrisli.....	15 00
Valley.....	\$4 00 to 5 00
Violeta.....	2 00
Adiantum.....	1 00 to 1 50
Asparagus.....	per bunch, 50c to 75c
Ferns.....	per 10 0 \$2 00

White Killarney Pink

We are now on with a large crop of Killarney and White Killarney Roses, and never before has our stock looked more promising than at present.

Carnations

We are now cutting heavily in all leading varieties of Carnations, and can fill your order on short notice. We are particularly well fixed on **Red Carnations**, the leading Christmas color, and would be pleased to book your order now.

PETER REINBERG

The Rose Specialist and Largest Grower of
Cut Flowers in the World,

35 Randolph St.,

CHICAGO

CUT FLOWERS

Our ROSES, CARNATIONS and Other Seasonable Stocks are arriving in splendid condition, and are as good a grade as can be found in the market.

PRICE LIST

American Beauty	Per doz.
Long stems.....	\$5.00
30 inch stems.....	3.50
24 inch stems.....	3.00
20 inch stems.....	2.50
18 inch stems.....	2.00
15 inch stems.....	1.50
12 inch stems.....	1.00
Short stems.....	.75
Killarney, select.....	Per 100
Medium.....	\$8.00
	4.00

Mrs. Jardine, select.....	Per 100
Medium.....	8.00
	\$3.00 to 4.00
Uncle John, select.....	Per 100
Medium.....	6.00
	3.00 to 4.00
Richmond, select.....	Per 100
Medium.....	6.00
	4.00
White Killarney, select.....	Per 100
Medium.....	8.00
	4.00
ROSES, our selection.....	Per 100
	4.00

Carnations fancy.....	Per 100
Good.....	4.00
Harrisli.....	3.00
	15.00
Valley.....	Per 100
Sprengel, per bunch.....	3.00 to 4.00
Asparagus Plumosus.....	50c
extra quality, per bunch.....	75c
Fancy Ferns, per 1000.....	Per 100
	\$2.00
All other stock at lowest market rates.	
Prices subject to change without notice.	
No charge for packing.	

WIETOR BROS., L. D. Phone Randolph 2181. 51 Wabash Ave. Chicago

Chicago Florists' Club.

The regular meeting of the Florists' Club was held December 1, President Asmus in the chair. The various flower show committees presented their reports and the following were elected to membership: Max A. Wizzus, 511 North Seventh avenue, Maywood; Wm. A. Starrett, 3537 Cottage Grove avenue; H. C. Wuhlbrandt, 5315 West Madison street; T. Matchen, 35 East Randolph street (care of Peter Reinberg); E. R. Farley, 60 Wabash avenue (care of Percy Jones), and Geo. Klehm, Arlington Heights, Ill. Several were proposed for membership.

The nomination of officers for 1911 was then in order, and the following were named: H. E. Philpott, president; A. C. Kohlbrandt, vice-president; A. T. Pyfer, secretary; E. F. Winter-son, treasurer; H. N. Bruns, Alex. Henderson and John Degnan, trustees; Michael Fink, sergeant-at-arms. The treasurer's report for the year was then presented, showing a substantial balance in the treasury, and adjournment followed soon after.

Manager Pyfer, of the Chicago Carnation Co., exhibited a fine vase of Washington, his firm's new carnation.

Nominee Philpott, after the meeting, surprised all present by ushering them into an adjoining room where a bountiful luncheon was served. Miss Kohlbrand rendered a number of selections on the piano during the repast, and when the coffee and cigars had been served President Asmus took the chair as toastmaster, calling for remarks from the various nominees and others identified with the club's work.

It was a very pleasant occasion all around and everyone voted Mr. Philpott "the man of the hour."

Chicago Bowling.

The Florists' Club Bowling League resumed playing November 30, after a week's intermission. The Carnations won two games from the Orchids and the Roses three from the Violets. The Orchids still lead with the Carnations and Roses tied for second and the Violets in last place. The following table shows the number of games won by each team to date:

Won.	Lost.	Won.	Lost.
Orchids.....16	8	Roses.....12	12
Carnations.....12	12	Violets.....8	16

The following table shows the individual and team scores for games played November 30:

Our Carnations Are Superior

That Is Why We Win So Many Prizes at Every Exhibition

AWARDED HIGHEST HONORS

At Chicago, Milwaukee, St. Louis and Minneapolis Flower Shows.

Exhibition blooms for these shows were taken from our regular daily cut, which is the best in the Chicago market, all the same superior quality every day. That is why we please our customers. If you are not acquainted with us, send in a trial order. We guarantee satisfaction. We also have strictly High Grade 'Mums, Roses, Sweet Peas, Valley, Violets, Greens, Etc., at Lowest Market Prices.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

Orchids.			Roses.		
Huebner.....	149	161 158	Wolf.....	167	179 150
Farley.....	118	148 156	Johnson.....	177	193 184
Graff.....	175	143 154	Byers.....	129	168 181
Waters.....	165	57 83	Kruchten.....	135	148 150
Zech.....	156	174 183	Fischer.....	171	137 173
Totals.....	763	683 734	Totals.....	769	825 838
Carnations.			Violets.		
Krauss.....	135	140 160	Laidley.....	106	138 138
Goerisch.....	104	170 199	Liebermann.....	158	134 167
Winterson.....	178	120 149	Schiller.....	121	106 129
Schultz.....	183	164 133	Lorman.....	158	142 145
Ayers.....	139	100 135	Yarnall.....	188	153 135
Totals.....	739	694 774	Totals.....	731	673 714

The following table shows the individual averages for games played this season:

A. Zech.....	167	13-21	Huebner.....	149	4-24
Fischer.....	166	2-24	Liebermann.....	148	16-24
Yarnall.....	165	18-24	Degnan.....	148	16-18
Vaughan.....	163	7-16	Ayres.....	147	1-24
Johnson.....	163	13-24	Lorman.....	145	9-24
Farley.....	160	14-21	Byers.....	142	7-24
J. Zech.....	157	17-21	Krauss.....	136	20-24
Wolf.....	155	20-24	Goerisch.....	135	4-15
Winterson.....	153	7-12	Kruchten.....	134	17-18
Schultz.....	152	7-24	Schiller.....	126	9-21
Graff.....	149	18-24			

St. Louis.

STOCK SCARCE.

Stock continues very scarce, especially carnations. Roses have also shortened up and some very fancy sweet peas are seen. American Beauty roses are of fine color and prices have advanced. The retailers have their

windows very beautifully decorated with blooming plants.

NOTES.

M. M. Ayres has a grand display of blooming and foliage plants, also the choicest cut flowers the market can produce. As an artist Mrs. Ayres can not be excelled and her assistants are all up-to-date.

The Burns Floral Co., under the management of Miss Mae Burns, will open up at 1049 North Grand avenue. Miss Burns is well known and all wish her success.

The Foster Floral Co. have vacated their store in the Century building and it will now be occupied by Otto Sander, who at present is located in the Maryland hotel.

A fire took place Monday morning at a studio adjoining the Burns Floral Co.'s store. But little damage was done.

W. J. Pilcher is now cutting some extra fancy violets from his special variety, the new Missouri violet.

W. C. Smith Wholesale Floral Co. are handling some extra fancy long-stemmed lavender sweet peas.

Geo. Waldbart had the decorations at the St. Louis Club reception given by Rolla Wells.

Visitors were: Martin Reukauf and Wm. P. Craig of Philadelphia, Pa.
W. F.

Valley! Valley! Valley!

We grow our own Valley. From now on we will be able to take care of regular orders, as we shall have a continuous supply.

A BIG CUT FOR THE HOLIDAYS

Besides We Offer Daily our Prize Winning ROSES AND CARNATIONS

Pronounced by judges at the Chicago Flower Show as exceptionally good we securing **19 Awards**. Stock exhibited was taken from our regular cuts and as such we are able to supply customers with the selfsame stock which in turn will surely satisfy your customers. Heavy supply of

Beauties, Maryland, Jardine, Richmond, Pink and White Killarney, Field, Kaiserin, Maid and Bride. They are sure to give satisfaction. None better in the market.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the New York or Hudson River Violets, but owing to length of time required for these to reach Chicago, we can only fill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock, the best in the market.



We
Strive
To
Please.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE
GROWER OF **CUT FLOWERS**

Plenty of
Stock to
Meet all
Needs.

Milwaukee.

EVERYTHING SCARCE.

Everything scarce in this market. Carnations are being demanded regularly and selling at very good figures. The majority of growers are hoping for sunshine as they say that they do not expect to cut any where near what they cut last year with the prevailing conditions. American Beauties are becoming a little more plentiful, mostly of a long grade. Roses are about the only thing that remains in the market to be picked up by the buyers, especially white. Violets are very scarce bringing good figures and not near enough to supply the demand. Lilies are practically out of the market.

NOTES.

At the monthly meeting of the Milwaukee Florists' Club the annual election of officers took place with the following result: H. V. Hunkel, president; A. Leidiger, vice-president; G. Mueller, secretary; J. G. Heitman, treasurer; Aug. Kellner and F. H. Holton, trustees. The chairman of the executive committee of the Flower

Show made the report which was certainly a very encouraging one to the guarantors, as they announced that they would pay a 25% dividend to all subscribers of the guarantee fund. This ought to make things encouraging toward raising a subscription for next year's show, which the club voted to hold in November, 1911. C. C. Pollworth gave the members a fine treat, serving them with a fine venison lunch at the meeting, and much credit is due Mrs. Pollworth for the tasty way in which it was prepared. The attendance at this meeting was very large and it would be much to the credit of the club to have same continued. The entertainment committee announces that everything is in readiness for the dance which takes place Thursday evening.

Home Bros. announced the sad news of the death of Miss Alma Wolgast, who has had charge of their floral department for a number of years. Miss Wolgast was very popular among the trade and will be greatly missed.

Nic. Zweifel says that he expects to cut as many carnations for Christmas

as he did last year and at the present time is cutting heavily of Bright Spot.

Holton & Hunkel Co. are cutting some fine long-stemmed American Beauties which are being disposed of at a good figure.

C. C. Pollworth Co. say stock is scarce. They are cutting some nice Killarney and White Killarney roses.

Aug. F. Kellner was busy decorating at the Auditorium for the annual Charity Ball.

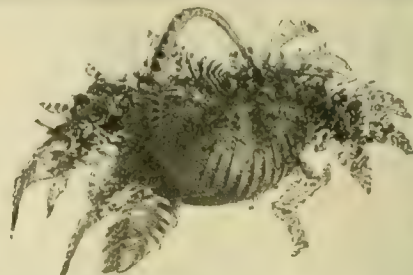
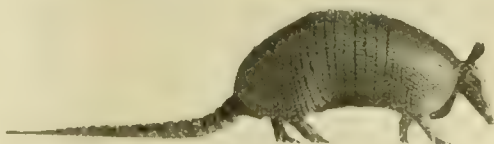
Manke Bros. are cutting some fine Enchantress and Beacon at the present time.

Gus Pohl has a large quantity of stevia which he is cutting at the present time.

J. M. Fox handled quite an amount of orchids and gardenias for the Charity Ball.

Mueller & Schroeder expect to cut a fine lot of Beacon for the Christmas trade.

Visitors: M. Reukauf, Bayersdorfer Co., Philadelphia; Mrs. Miller, Racine; L. Turner, Triesdell; Louis Hartung, Two Rivers.



DO YOU KNOW ARMADILLO BASKETS

They Are The Most Unique And Best Selling Novelty Ever Produced

Fashioned with ingenious skill from the armor-like shell of that curious animal of Old Mexico, the Armadillo; they are at once the oddest, prettiest and most sought-for flower baskets ever shown in a Florist's window.

Also made with bright colored silk lining, a beautiful work basket. Get this novelty, show it to your customers, and it will not only sell itself but make much other trade for you.

Order Today. Satisfaction Guaranteed: Prices 60 cents and up. Descriptive Booklet Free.

CHAS. APELT

Dealer in
Texas and Mexican
Curiosities.

Comfort, Texas

(The home of the
Armadillo)

MY SPECIALTY IS THE WATER-PROOF PLANT BASKET.

Pittsburg.

STOCK SCARCE

The scarcity of stock is more marked than ever, and only advance orders for carnations and roses are being filled complete. The out of town trade, which generally have their own carnations, are continually calling for this flower, and mostly lose their telephone calls as town buyers are on the spot to pick up anything that turns up. Violets and sweet peas have eased up a little. Lilies are coming in right plentiful. A few chrysanthemums arrive but there is no demand except for funeral work. A fine lot of stevia is on the market with demand good.

NOTES.

Both stores of Randolph & McClements have had quite a run on debutantes, Mr. McClements coming down town every morning to pick up any novelties lying around.

A. W. Smith Co. have been having some very fine window displays—a bamboo hut with appropriate surroundings attracting much attention.

Jos. Jones has vacated his Liberty Street store, and the same will be occupied by Wm. Loew with his Christmas greens.

From the way the retailers are buying Christmas supplies they anticipate a very good holiday trade.

Gilbert Weaklin states he is very well pleased with the amount of business done so far.

Chas. Erhardt, of the Allegheny Market, had the Elks Memorial decoration.

E. C. Ludwig also has a broad smile, stating business is very brisk. J.

Buffalo.

TRADE GOOD.

Trade has been very good the past week with an apparent scarcity of flowers, more particularly roses and carnations, and advance orders for Christmas are very encouraging. Violets, Bon Silene, lily of the valley are very much in demand. Receptions and weddings have kept the trade busy and a great many more are in sight.

NOTES.

There have been several changes in business places the past week. S. A. Anderson has purchased from J. H. Rebstock his Elmwood avenue property which was a part of the property acquired by him four years ago. It now gives Mr. Anderson three more houses and a piece of land 50x500 feet. Mr. Anderson has also taken over the



ORCHIDS

A SPECIALTY.

I am now receiving daily shipments of **Fancy Cattleyas, Vanda Caerulea, Dendrobium Phalaenopsis, Oncidiums** and other choice **Orchids, Fancy Valley, Roses, Carnations,** and all Seasonable Flowers and Decorative Stock.

Supplies of All Kinds.

CHAS. W. McKELLAR

51 Wabash Avenue.

CHICAGO.

"The Busiest House in Chicago."

Though stock is scarce, we are in a position to fill your orders promptly.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

Write for Our Price List.

flower department in the Hotel Ironquois.

There will be an important meeting of the Buffalo Florists' Club on December 6, when the final settlement of the recent flower show will be made and a possible decision made as to whether another will be held. It is earnestly hoped that the club will see fit to have another show, as the in-

quiries and regrets from those who did not get to the last one will almost make the next one a success.

The Florists' Bowling Club is having a remarkable revival and many of the bowlers of a few years ago are in regular attendance. Anticipation of the games with Rochester or Cleveland no doubt spurs them on.

BISON.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Baltimore.

GOOD BUSINESS.

For the past week trade has shown some activity. The weddings are by no means over, whilst it is the season for dinners and celebrations. This involves flowers and floral decorations in almost every case, and the florist is as necessary as the caterer. And of funerals and of hospital demands there is never any end. The chrysanthemum season ended, practically, with November, and only a few late varieties are straggling in. Carnations remain comparatively short, but roses and violets there are enough for current demands. Christmas stocks are in good shape generally and there will be enough material for all calls. The first Monday German of the season will be held on December 12 and will be full of work for the trade, this being the event for the introduction of the debutantes. The occasion is a brilliant one, the hall where the dance is held being lovely with bright colors, gleaming lights and stately plants.

NOTES.

The annual meeting and exhibition of the Maryland State Horticultural Society, held in the great armory of the 5th regiment, was a great success. The display of fruits, of ornamental and flowering plants, of cut flowers and nursery stock reflected credit upon it and upon those who busied themselves in the preparation. Richard Vincent, Jr., of White Marsh, the president, was energetic and ubiquitous, having general oversight, presiding at the meetings, delivering lectures and acting as press agent, and was well seconded by many workers. In the center of the

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Dec. 7.	
Roses, Beauty, extra select...	4 00
" " 36 in	3 00
" " 30 in	2 50
" " 24 in	2 00
" " 18 in	1 50
" " 15 in	1 00
Short... per 100	4 00 @ 6 00
Per 100	
Bride, Bridesmaid select...	3 00 @ 8 00
" " medium	2 00 @ 2 50
Killarney, select	3 00 @ 10 00
" " medium and short	2 00 @ 3 00
Kaiserin	3 00 @ 10 00
Mrs. Jardine	3 00 @ 10 00
Chateaux	2 00 @ 10 00
My Maryland	3 00 @ 10 00
Perle	3 00 @ 10 00
Richmond	3 00 @ 10 00
Uncle John	3 00 @ 10 00
White Killarney select...	4 00 @ 10 00
" " medium	2 00 @ 3 00
Carnations	2 00 @ 3 00
" " fancy	4 00
Bouvardia	5 00 @ 6 00
Chrysanthemums... per doz.	1 00 @ 4 00
Cattleyas... per doz.	7 5 @ 12 00
Cypripediums	2 00 @ 2 50
Gardenias... per doz.	4 00 @ 5 00
Dendrobium Formosum	6 00
Lilium Harrisii... per doz.	2 00 10 00 @ 12 00
Lily of the Valley	2 00 @ 4 00
Narcissus	3 00 @ 4 00
Phalenopsis	12 00
Stevia	1 0 @ 1 50
Sweet Peas	1 00 @ 1 50
Violets	75 @ 1 00
Adiantum... per 100	75 @ 1 50
Asparagus Plum, strings, each	60 @ 75
" " sprays	3 00 @ 4 00
Sprengeri	3 00 @ 4 00
Boxwood	15 00
Ferns... per 1000	1 50 @ 2 00
Leucothoe	75 @ 1 00
Mexican Ivy	75 @ 1 00
Mistletoe	25
Smilax	1 50 @ 2 00
Wild Smilax	5 00 per case

hall there was a pyramid of pompon chrysanthemums from the Vincent place; the city parks had the counterpart of a great bedding out scheme, which was arranged by James Boone, superintendent of Clifton Park, and a star-shaped bed of palms and tropical plants. Isaac H. Moss of Govans, James Hamilton of Mt. Washington, and the Harrison Nursery Co. of Berlin had fine exhibits of evergreens and nursery stock. Robert L. Graham had dinner table and mantel designs; Gude Bros. sent fine American Beauties from Washington, and there were many other exhibitors of plants and flowers. The apple display was the great feature, especially the exhibit of the Tonoloway Orchard Company of Hancock. The supply houses had their

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our
own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S.W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

BE YOUR OWN COMMISSION MAN

—AT THE—

Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager

usual array of machinery, tools, appliances, bulbs, seeds, etc.

The resignation of Charles L. Seibold, superintendent of one of the parks, was not forthcoming on or before the first of the month, as demanded by the park board, and the papers are giving some not inconsiderable attention to the situation. Mr. Seibold promises to make a fight for his post.

Boxwood, Wild Smilax, Holly, Mistletoe

First quality only. Prices most reasonable. Will fill orders in any quantity.

WHOLESALE

Beauties, Violets, Cattleyas, Roses, Carnations, Sweet Peas and all Season able Cut Flowers
Ferns, Galax, Leucothoe, Immortelles, Poinsettias.

PITTSBURG FLORISTS' EXCHANGE, 15 Diamond Square, Pittsburg, Pa.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery December 15th. Satisfaction guaranteed.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Let us tell you what we know about them.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

Philadelphia.

At this writing this city is experiencing the first snow of the winter. There have been a few flurries but there is now a depth of about four inches and it is still falling. The past week has been a fairly busy one, quite up to the usual business of the season, there being several important weddings and a number of debutante teas which used up about all the good stock in sight. Orchids, particularly cattleyas, were in good demand. Gardenias were bought up on sight. Choice Killarney and American Beauty roses were cleaned up each day. White violets and lily of the valley were away behind the demand. High-grade lily of the valley brings \$5 a hundred without a protest and is scarce even at that. A welcome addition is stevia, which is always popular with the average cut flower buyer. Poinsettias are also seen, the Robert Craig Co. cutting some very fine bracts. Killarney roses are making great strides, some excellent stock being seen, with stems four feet long. They are preferred by some buyers to American Beauties. The general excellence of the White Killarney to both the Bride and Kaiserin is noticed by all handlers of flowers and grand flowers should be seen later on. It is wonderful that, being but a sport, it should so far excel the Killarney, the parent plant. The buds of the new variety are considerably larger and have so much more substance. It is certainly the standard white. Chrysanthemums are about done. There are still a few Timothy Eaton, Mdle. Jeanne Nonin, W. H. Chadwick, Rosette and Mrs. Jerome Jones and Yellow Jones. These are held at good prices with a good demand. Chrysanthemums have been a good crop this season, the demand having been equal, or a little ahead, of the supply at all times. The prospects for a holiday trade are good. The plant men have been feeling the impulse for some time and a visit to the greenhouses sees most of the choice stock already set aside and roped off as sold. The Robert Craig Co., W. K. Harris, Godfrey Aschmann, Jacob Becker, J. Wm. Colflesh and other growers all say their advance orders are ahead of last season. The wholesale dealers in florists' supplies, H. Bayersdorfer & Co. and M. Rice & Co., are very much rushed and say that their customers are buying more freely, showing that they see business ahead warrants their laying in large stocks.

NOTES.

Ed. Reid has been making a hit with special chrysanthemums of No. 1 quality. They have gone off like hot cakes. Mr. Reid's business has so in-

Wholesale Flower Markets

PHILADELPHIA, Dec. 7.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums..... per doz.,	50@3 00	
Gardenias..... per doz.,	2 00@3 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snopdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	
PITTSBURG, Dec. 7.		Per 100
Roses, Beauty, special.....	25 00@35 00	
" extra.....	15 00@20 00	
" No. 1.....	10 00@12 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Chatenay.....	3 00@12 00	
" Killarney.....	3 00@12 00	
" My Maryland.....	3 00@12 00	
" Richmond.....	3 00@12 00	
Carnations.....	3 00@ 5 00	
Chrysanthemums.....	3 00@25 00	
Cattleyas.....	75 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Paper Whites.....	4 00	
Romans.....	4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch, 50		
" strings..... per string, 50		
" sprays..... per bunch, 50		
Smilax.....	15 00	

creased that he will move December 15 to 1619-21 Ranstead street, about one block farther west of his present location, where he will have a splendidly fitted establishment, up-to-date in every respect and about twice the size of his old store.

The Leo Niessen Co. are much pleased with the way advance orders and inquiries are coming in. The special carnations that are seen here are a revelation. No such stock has ever been seen in this market before. Choice American Beauty, Killarney and Richmond roses are leaders, the specials being exceptionally fine.

The S. S. Pennock-Meehan Co. turn over a lot of stock every morning. It looks more like a market here than a commission house, only it is Mr. Meehan now instead of Superintendent Meehan. Of course, S. S. Pennock is also on the job and this combination, with their long years of experience, is hard to beat.

Berger Bros. are handling very choice My Maryland and Richmond roses. They will be strong on Christmas greens, holly, boxwood and holly wreaths.

McCALLUM CO.

We are strong on
Good Beauties
and 'Mums.

Dagger Ferns, \$1.25 per 1000
Fancy Ferns, \$1.50 per 1000

Pittsburg :: Pa.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Mention the American Florist when writing

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Mention the American Florist when writing

Terra Haute, Ind.

Thanksgiving business was very good here, reports coming in from all the florists are very satisfactory. The volume of business done was about the same as last year.

We regret to announce the death of W. Gilbert Stover, the son of N. B. Stover. He was 29 years old and had been a cripple for the past fifteen years and has been gradually failing. He took cold a short time ago, which left him very weak and he did not rally.

N. B. S.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
 Jobbers of FLORISTS' SUPPLIES
 SEEDS and BULBS.
 Price List on Application.
 316 Walnut St., CINCINNATI, OHIO.
 Phone Main 584.

Boston.

FAIR BUSINESS.

The condition of the flower market is as follows: Chrysanthemums are coming in in smaller quantities at this season for this beautiful and very popular flower is drawing to a close, and roses, carnations and violets are coming in in quantities which guarantee a ready sale and consequently the stock on hand each morning in the market is readily cleaned up at prices which ought to make the successful grower feel happy, for certainly, if he has any quantity to sell, he can get all that they are worth, and if the trade at large were doing a rushing business it would be almost impossible to supply the demand, but Christmas is only four weeks off and the supply will have to increase, as it probably will, for at this time the florist would sell all the flowers of the various kinds that he can get. The stores are taking on a Christmas look even at this early date. Flowers are of fairly good quality though Killarney roses are very light colored as yet, not having taken on that deeper shade of pink for which they are so much prized during the winter months, My Maryland being of very much better color at the present time. Red roses are very scarce and bring a good price. Violets are also scarce and hard to obtain in large quantities. The retail dealers report a fair trade with the usual amount of funeral work and the added condition that each day they are able to use up about all the stock on hand and do not have to carry over very much from day to day.

NOTES.

Miss Frances Elizabeth Breck, daughter of Charles H. Breck, was married on Wednesday evening at the home of the bride's parents on Fairmont avenue, Newton, to John Benbow of Norwood. The house was decorated with chrysanthemums.

W. H. Elliott is bringing in his usual stock of Mrs. Aaron Ward roses, for the growing of which this establishment has become noted.

Arnold & Pedro report that they are doing as good a business as they could expect for a new concern just starting in.

H. C. W.

ELMIRA, N. Y.—Peter Makres, proprietor of the Oriental flower store, was married in New York November 16 to Elizabeth Marango, an Athenian young woman, who traveled all the way from Greece to meet the young man she had loved in their native land.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Dec. 7.	Per 100
Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	4 00@ 5 00
" " Bride, Bridesmaid	2 00@ 6 00
" " Extra	6 00@ 8 00
" Killarney and Richmond ..	4 00@10 00
" My Maryland	2 00@10 00
" Carnot	4 00@ 8 00
Carnations, select	2 00@ 3 00
" fancy	3 00@ 4 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Chrysanthemums	8 00@35 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Violets	75@ 1 00
Smilax	12 00@16 00

ST. LOUIS, Dec. 7.	
Roses, Beauty, long stems	30 00@40 00
" " medium stems	8 00@10 00
" " short stems	2 00@ 4 00
" " Bride, Bridesmaid	5 00@ 8 00
" " Killarney	5 00@ 8 00
" " My Maryland	5 00@ 8 00
" " Richmond	5 00@ 8 00
Carnations	2 00@ 4 00
Easter Lilies	10 00@12 50
Adiantum	1 25
Asparagus Sprengerl	2 00@ 3 00
Smilax	12 50@15 00

CINCINNATI, Dec. 7.	
Roses, Beauty	per doz., 1 00@ 6 00
" " Bride, Bridesmaid	2 00@ 8 00
" " Golden Gate	2 00@ 8 00
" " Killarney	2 00@ 6 00
" " Richmond	2 00@ 8 00
" " Pres. Taft	3 00@ 8 00
Carnations	3 00@ 6 00
Callas	10 00
Chrysanthemums	15 00@25 00
Lilium Longiflorum	12 50@15 00
Narcissus Paper White	4 00
Lily of the Valley	3 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus Sprengerl	25
Smilax	12 50@15 00

MILWAUKEE, Dec. 7.	
Roses, Beauty	per doz., 1 00@5 00
" " Bride, Bridesmaid	3 00@ 8 00
" " Killarney	3 00@10 00
" " Richmond	3 00@10 00
" " Perle	3 00@ 6 00
Carnations	3 00@ 6 00
Lilium Giganteum	per doz., 2 00
Lily of the Valley	4 00
Snapdragon	2 00@ 4 00
Violets	1 00@ 1 50
Adiantum	1 50
Asparagus	per string, 50
" " Plumosus, per bunch ..	35
" " Sprengerl	35
Ferns, Fancy	per 1000, 2 00
Galax	per 1000, 1 50
Smilax	per doz., 1 75

Lenox Horticultural Society.

The Lenox Horticultural Society held their monthly meeting on December 3, the chief business being the election of officers for the ensuing year and to review the position of the society. This has been the most successful year since the society was first organized, 16 years ago; the finances are in a very healthy condition, and the membership on the hundred mark.

All the officers were unanimously re-elected for 1911, they being G. Foul-

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies.

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

ham, president; G. Breed, vice-president; W. Jack, treasurer; G. H. Instone, secretary, and J. W. Pybus, assistant secretary. Two new members, J. Forbes and Edger Osborne, were unanimously elected by ballot.

Y. Proctor had before the society a white Cattleya Percevalliana, sepals and petals pure white, with a tint of yellow in the lip. It was a very fine type, and fully deserved the first class certificate awarded by the plant committee.

J. W. PYBUS.

THOMPSONVILLE, CONN.—The Brainard Floral & Nursery Co. are building an office and salesroom 15x50 feet, which will be completed the middle of December.

WEST of the MISSOURI, EAST of the SIERRAS and SOUTH to the GULF IS DENVER'S TERRITORY



This photograph was taken a year ago but this house and several others are just as fine now.

Because the existing express rates gives her an advantage there. The saving in charges is your inducement to buy of us

Do not make any mistake. We grow good stuff. If you will bite once we will land you high and dry for a regular customer.

We are in daily receipt of letters of appreciation. One customer says: "Better plants were never grown than the Cyclamen just received." That is a little stronger than we would put it, but they are mighty fine.

Our Holiday Specialties:

- Ardisia, 5-inch at \$1.75
- Azaleas, \$1.00, \$1.25, \$1.75, \$2.25 and \$3.50
- Begonia Lorraine, 3, 4, 5- and 6-in. pots, 25c, 35c, 50c, and 75c.
- 7-, 8- and 10-in. pans \$1.00, \$1.25 and \$2.00
- Calla Lilies, 6-inch at 80c.
- Cinerarias, 4-inch at 25c. 5-inch at 25c.
- Cyclamen, 3-, 4-, 5-, 6- and 7-in., 25c, 35c, 50c, 75c and \$1.25
- Jerusalem Cherries, 5-inch at 25c. 6-inch at 40c.
- Poinsettias, 6-in. pans at 75c.
- Primula Obconica, 4-, 5- and 6-in., 15c, 25c and 50c.
- Ferns, Boston, 5-in. at 40c. 6-in. at 60c.
- Ferns, Assorted for terreries, 2- and 2½-in. at 6c.
- Asparagus Plumosus, 4-, 5- and 6-in., 15c, 25c and 50c.
- Araucaria Excelsa, 5-in., 2 whorls at 75c.



Some of our Begonia Gloire de Lorraine.

Our Lorraines are good too. The picture just taken shows one of each size we are offering.

We pack carefully and as light as is safe.

Our terms are cash with order, unless you know you have a favorable rating in Dun's or Bradstreet's or have already established a credit with us. There is not time now to look up references before making shipments for Christmas.

Hurry in your orders so they will not arrive after we are all sold out.

The Park Floral Company, J. A. VALENTINE Denver, Colo. President.

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL
S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in Supplies.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

New York.

SUPPLY SHORTER.

There was a decided falling off in the cut flower business commencing about the time we went to press last week and it was Saturday, December 3, before things became active again and it was more owing to a general shortening up in the supply in some few items than anything else that caused the healthier tone in the market at that time. It is generally conceded that the few weeks just preceding Christmas are usually quiet in cut flower circles owing, no doubt, to the increased quantity of flowering plants that become available so that a shortage in flowers just at this time is not looked upon as a very serious calamity. American Beauty roses are not over plentiful. Brides, Bridesmaids, Richmonds, Killarneys and My Maryland all are selling fairly well in the shorter grades, but the extra and special grades are a rather difficult proposition and prices do not seem proportionate to their value. Owing to their scarcity carnations are bringing very satisfactory prices. Chrysanthemums are diminishing in supply and prices remain fairly firm. Supplies of violets have increased perceptibly, consequently there has been a reaction in values. Cattleyas are yet quite scarce and good blooms of C. trianae are bringing \$1.00 each while C. Percivaliana is fetching 60c each. There is quite a supply of cypripedium insigne coming in for which there is not much demand. Lilies are quite plentiful, as also are narcissus and Roman hyacinths, with little if any change in prices. Sweet peas are increasing slightly and more long-stemmed flowers are seen among them. Lily of the valley is always in supply but the demand is erratic. Asparagus in bunches is meeting with a fairly steady call but that coming in strings, together with smilax, does not sell satisfactorily.

Tuesday, December 6.—A severe snowstorm has raged all day with the consequence that business has received a hard check and severe cut-down in all lines.

NOTES.

The Postal Progress League, at a meeting on Wednesday, November 30, decided to send a committee to Washington, D. C., to work for parcels post. The appointment of the committee came after a speech from Congressman W. Sulzer, who said: "If your organization will send representatives to Washington at once and they will bring enough pressure to bear on the Committee on Post Offices to report the Parcels Post bill, I will promise that the bill will become a law before the end of the present session." We may yet get parcels post, it seems.

At Thorley's Twenty-eighth street store some very attractive bridal bouquets were shown in the window this week. They were made in a rather old-fashioned way, a few violets in the center, a row of Roman hyacinths next, then a row of sweet alyssum followed by a row of red roses. All were arranged with geometrical precision and the whole embedded in a cream colored lace paper carton and tied with cream chiffon. They were very pretty indeed and attracted no little attention.

The firm of Badgley, Reidel & Meyer, Inc., who succeeded to the wholesale florist business of A. T. Guttman, 34

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

West Twenty-eighth street, on September 15 last, are enjoying a fair share of trade. This firm is working hard and are increasing their business daily. They bought out their predecessor's fixtures, good will, etc., entirely, Mr. Guttman having retired absolutely from the wholesale commission business.

Kretschmar Bros., West Nyack, have placed an order with the King Construction Co. for an iron frame greenhouse, 200x35 feet. This will be used for carnations. The contract calls for the house to be finished May 1, 1911. The same building company is also erecting a curvilinear graperly for W. F. Fray at Elkins Park, Pa.

Mrs. McNiece is supplying many of the retail stores with partridge berries for filling the little glass bowls that have become so popular for table decoration within the last few years. This lady, besides supplying the berries, visits the stores and arranges them in the homes, when desired.

The next meeting of the New York Florists' Club will be held in the club's rooms, corner of Twenty-third street and Eighth avenue, December 12. At that meeting election of officers for 1911 will take place so we shall, no doubt, have a very interesting session.

Wernz & Koehne, retailers at 61 Fifth avenue, keep a very well appointed store and enjoy a steady residential trade, one that does not fluctuate so much as is the rule in some other parts of the city.

Leslie Morse, of the C. C. Morse Co., San Francisco was in town November 28. Mr. Morse reports crops good in California, with the exception of some varieties of peas.

Stephen Dombrowsky, gardener to H. B. Duryea, Westbury, L. I., has accepted the position of superintendent for J. P. Morgan at Highland Falls.

Wm. P. Ford, wholesale florist, 45 West Twenty-eighth street, is handling in addition to cut flowers, a nice line of geranium plants in full bloom.

At the Broadway store of J. H. Small & Sons green tiny baskets filled with Begonia Gloire de Lorraine have been attracting much attention.

The safety razor offered as a prize for the highest scores at the New York Bowling Club on November 25 was won by J. B. McArdle.

Reports from Michigan presage a shortage in the supply of the familiar red berries Ilex verticillata.

R. T. Irwin, Philadelphia, Pa., was a recent visitor.

Important
Announcement

Growers Listen!

I can use every potted plant you have in my holiday trade.

Bring along at once everything you can spare that is good, and

"I will do the rest."

C. C. TREPEL,

LOESER'S BLOOMINGDALE BROS.

BROOKLYN. NEW YORK.

Mention the American Florist when writing

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

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Receivers and Growers of Cut Flowers.
Consignments Solicited.

JOSEPH J. LEVY

(Successor to John Seligman & Co.)

WHOLESALE FLORIST

Telephone Madison Sq. 4878, New York
56 West 26th Street, New York

Roses and Dutch bulbs were the principal things offered at Wm. Elliott & Sons' auction rooms this week.

The match games between Astoria and New York were played in the alleys of the former mentioned team on Thursday evening, December 1, and resulted in a complete victory for the Astoria men. The scores follow:

Astoria.		
J. Donaldson	167	210
P. Einsmann	191	167
H. Lorenz	157	146
W. H. Siebrecht	164	168
Loenhoeffer	150	147
J. Miesem	203	146
H. Siebrecht	183	158

New York.		
J. A. Manda	127	159
C. W. Scott	104	109
P. J. Smith	155	126
J. A. Shaw	112	152
J. Fenrich	150	146
H. Chadwick	210	158
P. Kleinmann	129	159

At the regular meeting of the New York Club on December 2 M. E. Marshall won the silk umbrella offered for the highest average.

Young & Nugent,

Telephone 2065-2066 Madison Square
42 West 28th Street, New York
 To out-of-town florists
 We are in the Heart of
 And give special attention to steamer and Theater orders. Prompt
 deliveries and best stock in the market.

D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.
 Telephones ³⁶⁴² } Main. 162 Livingston St., BROOKLYN, N. Y.
³⁶⁴³ }
⁶⁰²⁸ }

Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
 Telephones: 7062-7063 Madison.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
 Phones: 798 and 799.

NEW YORK

WM. P. FORD,

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WHOLESALE FLORIST

Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited

Badgley, Reidel & Meyer, Inc

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES ¹⁶⁶⁴ } Madison Sq.
¹⁶⁶⁵ }

Consignments Solicited.



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
 Florists' Supplies and Wire Designs.

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August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

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N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
 Mention the American Florist when writing

— FLOWERS SHIPPED BY —

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited.

Telephone. 3559 Madison Square.

45 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Dec. 7.	
Roses, Beauty, special.....	30 00@40 00
" " extra and fancy.....	15 00@25 00
" " No. 1 and No. 2.....	5 00@6 00
" " Bride, Bridesmaid, special.....	6 00@8 00
" " extra and fancy.....	5 00@6 00
" " No. 1 and No. 2.....	2 00@4 00
" " Killarney, My Maryland, spl.....	6 00@10 00
" " extra and fancy.....	4 00@5 00
" " No. 1 and No. 2.....	2 00@4 00
Carnations.....	2 00@5 00
Cattleyas.....	60@1 00
Chrysanthemums..... per doz.....	75@2 50
Gardenias..... per doz.....	75@4 00
Lilium Longiflorum.....	6 00@8 00
Lily of the Valley.....	2 00@3 50
Narcissus P. Wht.....	2 50@3 00
Roman Hyacinths.....	2 00@2 50
Sweet Peas..... per doz. bchs.....	75@1 50
Violets.....	40@75

BUFFALO, Dec. 7.	
Roses, Beauty, special.....	75 00@35 00
" " fancy.....	20 00@25 00
" " extra.....	15 00@20 00
" " No. 1.....	10 00@12 00
" " No. 2.....	4 00@10 00
" " Bride, Maid, Killarney.....	4 00@10 00
" " Kaiserin.....	4 00@10 00
" " Pres. Carnot.....	4 00@10 00
" " White Killarney.....	4 00@10 00
Carnations.....	2 00@4 00
Chrysanthemums.....	10 00@20 00
Pompons, per bunch.....	25@35
Callas.....	10 00@12 00
Lilium Longiflorum.....	10 00@15 00
Lilium Speciosum.....	3 00@4 00
Lily of the Valley.....	4 00@5 00
Mignonette.....	3 00@4 00
Narcissus Paper Whites.....	2 50@3 00
Snappdragons.....	3 00@5 00
Stevia.....	1 00@1 25
Sweet Peas.....	50@75
Violets.....	1 00@1 25
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch.....	35@50
Asparagus Sprengerii.....	35@50
Asparagus Str.....	50@60
Ferns..... per 1000.....	\$2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.
 Phones 4626 and 4627 Madison Square.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
 Madison Square. NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

KESSLER BROS.,

136-138 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

XXX HOLLY

Laurel Wreathing,

**HOLLY WREATHS, EVERGREEN WREATHING,
MISTLETOE, NEEDLE PINES,
IMMORTELLES AND XMAS BELLS.**

We Are Headquarters—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

Write for "Special Christmas List."

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St.

NEW YORK: 25 Barclay St.

50-lb. case

Extra Fine SMILAX

\$1.75 per case

QUALITY GUARANTEED

When in need of extra good
Smilax in any quantity,
write or wire

Henry M. Robinson & Co.
PINE APPLE, ALA.

You can rest assured that all orders placed with us will be filled to your entire satisfaction.

Unknown customers, satisfactory references or C. O. D.

Mention the American Florist when writing



Mention the American Florist when writing



FANCY FERNS, \$1.50 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10,000, \$7.50
Sphagnum Moss, large bales..... \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Lod Moss, in barrels for hanging baskets..... \$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH



Holiday Specialties

Galax, Ferns and Leucothoe

Per 1000
Green and Bronze Galax,.... \$0.50 or \$4.00 per case of 10,000
Dagger and Fancy Ferns,.... .80 or 3.50 per case of 9,000
Long Green Leucothoe Spys 2.00 or 3.50 per case of 20,000
Short " 1.00 or 4.50 per case of 5,000
Long Bronze Leucothoe Sprays, per 1000..... \$2.50
Short " per 1000..... 1.50

Terms Cash

Wire us at Elk Park, N. C.

North Carolina Evergreen Co., BANNERS ELK, N. C.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

Select Holly

\$3.00 per case.

Sheet Moss..... per bbl., \$1.25
Laurel Stems..... per bag, 1.00
Laurel Branches..... per case, 2.50
Cash with order.

W. Z. PURNELL - - Snow Hill, Md.

Mention the American Florist when writing

HOLLY

Have 7 years' experience packing holly in cases, 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing T. J. RUBANK. Brown's Store, Va.
Mention the American Florist when writing

Southern Wild Smilax

Now ready for shipment.

Perpetuated and Natural Sheet

MOSSSES

Satisfaction guaranteed.

E. A. BEAVEN,

Evergreen, Ala.

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly, on receipt of same.

Give us a trial. We know we can please you.

Caldwell the Woodsman Co., Evergreen, Ala.

XXXX HOLLY

\$5.00 per case.

Laurel Wreaths, \$2 50 per dozen and up.

Boxwood Wreaths, \$6 00 to \$18.00 per dozen.

Princess Pine Festooning, made all round, \$6.00 per 100 yards.

Fancy and Dagger Ferns, \$1 25 per 1000.

Laurel Festooning, 6c per yard. Bush Laurel, 50c

Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1000.

Bronze and Green Galax, \$1.00 per 1000.

Best quality Green and Violet Foil, 17c per pound.

Green Magnolia Leaves, extra large hamper. \$2 25 per hamper.

Bronze Magnolia Leaves. \$2.00 per hamper.

Immortelles, new crop, all colors, 14c per bunch in case lots.

CUT BOXWOOD SPRAYS, \$16.00 per 100 lbs.

A Full Line of FLORISTS' SUPPLIES.

All Kinds of Insecticides.

SEASONABLE CUT FLOWERS.

Lilies, Orchids, Gardenias, Valley, Violets, Adiantum, Asparagus, P. and S.

ROSES Beauties, Richmonds, Marylands, the Tw Killarneys, Brides and Bridesmaid.

Chrysanthemums and Carnations

In all standard varieties.

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Telephones: Main 2617-2618; Fort Hill 25290 15 Province St. and 9 Chapman Place, BOSTON, MASS.

All orders filled promptly, properly and to your satisfaction.

High-class Merchandise Requires

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NEW YORK PARIS
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The Tag Makers

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BODDINGTON QUALITY

Cannas at Contract Prices

915,000 Dormant Canna Roots 915,000

READ THIS

Upon the Cannas enumerated below the following prices are good until January 1, 1911. If cash accompanies the order, we will also allow a special discount of 5 per cent. The Cannas can be shipped any time (at purchaser's option) up to April 1, 1911.

Upon orders received after January 1, 1911, we reserve the right to raise the price not less than 20 per cent. Order today and save 25 per cent upon your Canna order.

CRIMSON SHADES

Alphonse Bouvier, 5 ft.	100	1000
Alice Roosevelt, 4 ft.	\$1.75	\$15.00
Black Prince, 3 to 4 ft.	3.75	35.00
Charles Henderson, 4 ft.	2.25	20.00
Crimson Bedder, 3 ft.	1.75	15.00
Duke of Marlborough, 4½ ft.	2.00	17.50
J. D. Eisele, 5 ft.	1.75	15.00
Explorateur Crampel, 5½ ft.	2.00	17.50
Express, 2 to 2½ ft.	1.50	15.00
Louisiana, 7 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	1.50	14.00
Pres. Cleveland, 4 ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	2.00	17.50
Tarrytown, 3½ ft.	1.50	14.00

PINK SHADES

L. Patry, 4½ ft.	\$1.75	\$15.00
Louise, 4½ ft.	2.25	20.00
Mlle. Berat, 4½ ft.	1.50	14.00

ORANGE SHADES

Mrs. Kate Gray, 6 ft.	\$1.75	\$15.00
Pennsylvania, 5 ft.	1.50	14.00
Wyoming, 7 ft.	2.25	20.00

RED, GOLD-EDGED

Mme. Crozy, 5½ ft.	100	1000
Souv. d'Antoine Crozy, 4 ft.	\$2.25	\$20.00
	2.25	20.00

YELLOW SHADES

Buttercup, 3½ ft.	\$2.25	\$20.00
Gladiator, 4 ft.	2.25	20.00
Florence Vaughan, 5 ft.	1.75	15.00
Newbury, 4 ft.	2.75	25.00
Queen Charlotte, 3½ ft.	2.25	20.00

WHITE SHADES

Alsace, 3½ ft.	\$1.50	\$14.00
----------------	--------	---------

BRONZE-LEAVED

Black Beauty, 5 ft.	\$3.75	\$35.00
Brandywine, 4 to 5 ft.	2.25	20.00
David Harum, 3½ ft.	2.75	25.00
Egandale, 4 ft.	1.75	15.00
KING HUMBERT, 4 ft.	2.75	25.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 10 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	15.00
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING

Allemania, 4 to 5 ft.	\$1.75	\$15.00
Austria, 5 ft.	1.50	14.00
Indiana, 4½ ft.	1.75	15.00
Italia, 4½ ft.	1.50	14.00

Our Cannas are packed 250 (of one variety) in a box; two can be "cleated" together and shipped as one. One box of 250 (one variety) sold at thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Twenty-five (one variety) at 100 rate.

ARTHUR T. BODDINGTON, Seedsman

342 West 14th Street, NEW YORK

Chicago and Western Agents for Our Cannas.

WINTERSON'S SEED STORE, 45, 47, 49 Wabash Ave., CHICAGO

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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J. J. HABERMEHL'S SONS

Florists, Bellevue - Stratford and Diamond and 22nd Streets

CHOICEST FLOWERS ARTISTICALLY ARRANGED.

Telephone: Spruce 3780

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

NEW YORK

Malandare Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave

Denver, Colo.

**The Park
....Floral Co.**

J. A. VALENTINE, President

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Washington,

D. C.

14th and H Streets.

Blackstone

Also

1601 Madison Ave.

Baltimore, Md.

J. DAN BLACKSTONE

New York and Washington, D.C.

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FLORISTS**

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Mention the American Florist when writing

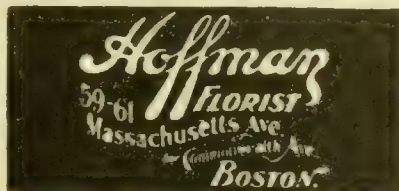
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Wholesale and Retail Florist

25 Monroe St.

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Atlanta, Ga.

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Rockford, Ill.

H.W. Buckbee

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FRANK F. CRUMP,

Wholesale and Retail Florist

New York.

MYER, FLORIST, 609-611 Madison Ave

Phone 5297 Plaza

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1583

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phone
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THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue

We Cover All Points in Ohio

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

Nashville, Tenn.

Geny Bros. LEADING
FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Brooklyn, N. Y.



319 MAIN PHONE.
272 Fulton Street.

All orders by mail, telegraph, etc. will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

Terre Haute, Ind.

John G. Heintz & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and I Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS.

25 Clinton Avenue, N.

Weebster Phone 506. Long Dis. Bell Phone 318

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them
Kansas City and Pleasant Hill, Mo.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers

Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

International
Floral Association

Incorporated, \$50,000.00.

1328 Broadway,
NEW YORK.

Organized for prompt and efficient service to all parts of the civilized world.

TRANSACTS BUSINESS for MEMBERS ONLY

Mention the American Florist when writing

Name Index to Retail Florists
Filling Telegraph Orders.

Anderson Floral Co., The, Anderson, S. C.
Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J., Philadelphia.
Heintz & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, florist, Boston.
Holm & Olson, St. Paul, Minn.
International Floral Assn., New York.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 E. Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pohlworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York.
York Cor. 14th and G Sts., Washington, D. C.
Smith, Co., A. W., Keenan Bldg., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wittbold Co., Geo., 737 Buckingham Pl., Chicago.
Wolfskill Bros., 216 W. 4th St., Los Angeles, Calif.
Young's, 1406 Olive St., St. Louis, Mo.

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J. E. LAPES

The Leading Florist of Cedar Rapids,

Will fill your orders for Designs and Cut Flowers in Iowa and the Middle West.

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"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

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New York.

Established 1849

David Clarke's Sons

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2139-2141 Broadway

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Choice Cut Flowers

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Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

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Successor to Chas. W. Reimers.

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JULIUS BAER,

138-140 E. Fourth St.

Long Distance 'Phone.

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San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

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Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

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Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



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D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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FLORISTS.**

Phones: Home 1388, Cumb. Main 1388 A.
..... 634 Fourth Avenue

New York.

Established 1874.

DARDS

**N. E. Corner 44th St.
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyles, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. St.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg F. & P. Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City, Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—International Floral Ass'n.
New York—Alex McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
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Washington—Geo. H. Cooke, Conn. Ave. and L.
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Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.
Western Union Code.

Mention the American Florist when writing

Chicago.

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

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Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNE-OTA AND THE DAKOTAS.

Los Angeles, Calif.

**Wolfskill Bros.
FLORISTS**

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty. 216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

VISITED CHICAGO: L. M. Kimberlin, of the Kimberlin Seed Co., Santa Clara, Calif.

DENVER, COLO. It is reported that no holly stands will be permitted on the streets this season.

W. J. FOSGATE, Santa Clara, Calif., has started on his eastern trip and is due in Chicago about December 15.

A. H. GOODWIN, Chicago, is planning to sail from New York for Algiers on the S. S. Carmania, January 7.

CHAS. P. BRASLAN died at San Jose, Calif., December 3. For further particulars see obituary elsewhere in this issue.

CHICAGO.—Prices on the board of trade December 7 for grass seed were noted as follows: Timothy, \$8.50 to \$10 per 100 pounds. White clover, from \$22 to \$28.

THE Haven Seed Co. is changing its postoffice address from Lodi, Calif., to Santa Ana, Calif. This firm's stocks have been good and separations are being made to increase the acres the coming season.

VISITED SIOUX CITY: F. H. Hunter, representing Waldo Rohnert, Gilroy, Calif.; L. M. Kimberlin, of the Kimberlin Seed Co., Santa Clara, Calif., and L. W. Wheeler, of the Pieters-Wheeler Seed Co., Hollister, Calif.

BOUQUET GREEN is not to be had, and Chicago winders of this article have not the bulk stock to make wreathing or even for wreaths. Whether boxwood, laurel or holly will be in increased demand as substitutes can not be told, but the lack of the ground pine must have a bad influence on next season's trade.

CHICAGO holly is coming in slowly and eastern stock is very scarce. Eastern packers say there is none compared with former years, and the carloads which have reached the seedsmen at Chicago are all needed for advance orders. Southern holly is expected in better supply than the eastern, but so far there is but little in sight and the quality of the stock yet to be shown.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

J. Bolgiano & Son's New Warehouse.

On one of the finest water front properties of the city of Baltimore, J. Bolgiano & Son have erected a mammoth new pier and warehouse. This property is conveniently located near their main offices and directly opposite the new \$10,000,000 city docks. It extends along Montgomery street for almost 500 feet west from Ruppert street and has 375 feet of private dockage. All the railroads and steamship lines will deliver freight to their piers without extra charge, saving all drayage. The new piers and warehouses contain 5,000 square feet of floor space, and here are located the onion set, the po-



The Late Chas. P. Braslan.

And Miss Olga Braslan, the Youngest Daughter. His Latest Photograph Taken About a Year Ago. See Obituary.

tato seed, the bulk seed, and grain warehouses and the new poultry food manufacturing plant, and is equipped with automatic machinery by which it is possible to weigh, clean and reload a car of seed or grain very rapidly.

The new poultry food plant is capable of producing 3,000 bags of "Square Deal" poultry food a day, which is about fifteen times their former capacity, which enables them to fully take care of their increased demand for these well known products which are cleaned, milled, scientifically-propor-

tioned, weighed and bagged and conveyed to the cars by automatic machinery under the careful supervision of their expert specialists.

An up-to-date seed analysing and testing laboratory has been established and an expert from the United States Department of Agriculture has been placed in charge, and they are now able, not only to supply the purest and truest seed stocks, but are also prepared to supply accurate and scientific information to all who are interested and to comply in the purity and cleanliness of seed with the seed laws of the various states of the Union.

W. W. Johnson & Son's Novelties.

Among the novelties and specialties offered by W. W. Johnson & Son, Boston, England, the following are noted:

New pansy Johnson Giant, a truly wonderful strain, remarkable for its range of color and extraordinary size. The flowers are of fine substance and stand up well above the foliage.

Sweet Williams-Johnson's Giant, an extraordinary novelty, the individual pips being larger than a half dollar with a range of colors that are not to be found in other strains. Johnson's Diadem, a grand deep rich crimson, with a well defined white eye. Pink Beauty, massive trusses of the most delicate and pleasing pink color. Sutton's Scarlet, a selection from Pink Beauty of vivid scarlet color.

Dimorphotheca aurantiaca, a very showy free blooming annual, with flowers like a marguerite, but of a golden orange color with a striking black centre.

New hybrid gerberas, distinct and beautiful hybrids embracing the most exquisite and delicate shades of yellow, rose, cherry red, salmon, terra cotta to crimson and white.

Lupinus polyphyllus rose, a fine new color in this old fashioned and easily grown perennial.

Aster Blush Queen, a new and very striking novelty of the Victoria section. The flowers are a delicate blush and borne in great profusion.

Sweet Peas-Dodwell F. Browne, a magnificent novelty of Eckfords, a King Edward Spencer of large size and fine color. E. J. Deal, a mammoth white Spencer. Queenie, waved blush ivory or cream. Mrs. Townsend, white, flushed and edged blue. George Stark, a rich scarlet of splendid form. Winsome, a lovely rosy heliotrope. Mrs. R. W. Pitt, crushed strawberry shade. Picotee and Satin Queen.

An assortment of novelties in vegetable seeds including Silver Bell onion, Perfection Red radish, Perfect and Remarkable pea, Perfect long pod bean and Perfect tomato.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Seeds Fresh Seeds

"For Early Sowing."			Trade pkt.	Oz.
Salvia, Clara Bedman, "Bonfire".....	\$0.25	\$2.25		
Salvia, Splendens.....	.15	1.00		
Verbena, S. & I. Choice Mammoth				
Mixed.....	.25	1.50		
Verbena, S. & I. Choice Mammoth,				
separate colors.....	.25	1.25		
Lobelia, Crystal Palace Compacta....	.25			
Lobelia, Speciosa (Trailing).....	.15			
Begonia Luminosa, fiery, dark scarlet	.40			
Begonia Vernon.....	1-16 oz., 50c	.25		
Petunia, Giants of California.....	1-16 oz., \$2.00	.50		

Asters (Vick & Hill grown). See catalogue.



Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia, Pa.

Send for our new catalogue.

SEEDS

OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns

Mention the American Florist when writing

THE Chicago Tribune of December 4 names Thomas M. Hunter, long-time operator in field seeds on the board of trade, former alderman and now chief bailiff of the municipal court, as possible republican candidate for mayor of the western metropolis. In this connection the Tribune remarks: "The facility with which men in the seed business become interested in politics—at the recent election Candidate Vaughan, who ran against Congressman Mann, is a seedsman—suggests the query whether there is not some affinity between that business and public affairs which finds its manifestation in the practice of the national government, which uses its members of congress to distribute all sorts of seeds among their constituents whether they want them or not."

LILIES OF THE VALLEY

Bruns' celebrated

"Chicago Market Brand."

Finest Valley in Existence

\$15.00*per 1000; \$1.75 per 100.

Early Forcing Valley "Money Maker,"

\$12.50 per 1000; \$30.00 per case of 25,000.

H. N. BRUNS

3040 W. Madison St., CHICAGO

MANN'S

Lilly of the Valley

are the finest in existence and their flowers bring the best prices on the London market For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn...\$1.50	Yellow Bird Millet...\$1.75
Fancy Hemp Seed, 2.75	Bird Vetches..... 2.25
Sicily Canary Seed, 2.62	Red Bird Millet.... 2.25
German Bird Rape, 3.50	Canada Field Peas, \$1.50 per bushel.

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLDIANO & SON, Importers and Wholesale-salers, Baltimore, Md.** Established for 92 years. Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

For Sale.

1000 lbs. surplus Onion Seed
1910 crop.

N. J. WESTERMAN
Contract Onion Seed Grower.

BETCHEL, KY.

In Japan there are two kinds of Giganteum grown, the "flathead" and the tall bulb. The former is planted near the top of the soil, where the hot sun can bring it to size very quickly (at the expense of its vitality and quality). Of course all Giganteum cannot be the best, and growers are obliged to sell the inferior article for three reasons: first, because many people buy an article just because it is cheap; second, because dealers must buy very cheap from importers to make a profit; third, because many people don't know the difference.

The grower who wants to make money and maintain a modern shop, must buy economically; that means he must buy stock which will net the most profit. The profit is in the blooms of the Lily Bulbs, and so he must buy the bulbs which net the most blooms on the average. That's *Horse-shoe Brand* Bulbs---they will average the highest cut per thousand bulbs of any brand known.

Prices Reasonable.



**Ralph M. Ward
& Company**

"Not How Cheap—
But How Good." 12 WEST BROADWAY,

NEW YORK

Order your Cold Storage Bulbs now.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa. President;
H. F. Hall, Grand Rapids Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

Prices of Indoor Fruits and Vegetables.

Chicago, December 5.—Mushrooms, 15 cents to 25 cents per pound; cucumbers, \$1.10 to \$1.50 per dozen; tomatoes, 5 cents to 12½ cents per pound; radishes, 40 cents to 50 cents per dozen bunches.

New York, December 3.—Mushrooms, 60 cents per pound; cucumbers, 15 cents each; lettuce, \$1.25 per dozen heads; tomatoes, 25 cents per pound; radishes, 60 cents per dozen bunches; asparagus, \$9 per dozen bunches; grapes, Gros Colman, \$1 per pound; cauliflower, 25 cents per head.

Lettuce Plants.

We believe each grower should produce his own plants, as buying plants from any source is a great risk. We sell a good many plants, and the demand seems to be constantly in excess of the supply. This indicates that a large percentage of the growers fail at one time or another to raise good plants. Generally the last two months in the year are the most unfavorable for plant production. The main cause for this may be found in false economy of heat and lack of air. If operators would learn to heat and carry open ventilators in fall they could almost ignore weather conditions.

We make it a practice to start the seeds in the coolest part of the range; transplant into as low a temperature as possible; that is, the seed bed and the plant beds should both be lower in temperature than the growing houses. Plants thus grown will take hold at once after moving, which is the main point.

Seedlings, dibbled out 2½x2½, should make excellent plants; just before the leaves touch we use a sharp knife and cut the rows backways and crossways, deeply. This is at one operation a cultivation and a blocking out for removal. After a week or ten days such plants are as good as pot-grown ones at a fraction of the cost. Too much moisture either root or leaf is undesirable, as it induces soft growth and mildew.

MARKETMAN.

Forcing Outdoor Rhubarb.

An English writer commenting upon the various devices in use whereby a succession of rhubarb may be obtained, states that the most economical and most effective system that has come under his notice is to plant the roots in special beds raised slightly above the ground surface, and having wide alleys between. These are dug out sufficiently deep to allow of manure and leaf beds being made to a depth of eighteen inches to two feet, slightly covering the adjacent soil around the pots. The heat generated acts directly on the roots to their whole depth, which naturally brings about a much quicker response than that following the more common practice of heaping on the open surface about the pots. These beds have two rows of plants in them, their width about three

feet, and trenches between them two feet wide. It must be said that duplicate beds are necessary, so that they do duty every alternate year, a practice that is followed in the case of ordinary cultivation. It might be suggested that in adopting this particular course for the purpose of early outdoor forcing short beds, say, twelve feet in length, that would accommodate a dozen plants, would be more convenient for the private garden. If this could be formed on the frame ground it would be more readily accessible both for application and removal when the heat is exhausted. It would be advantageous to allow the manure to remain in the trench during the summer, as this would obviously lessen the need for applied moisture to sustain them in their growing period. The removal of this manure to the whole depth of the trenches would expose the whole surface of the bed to the action of frost, air and sunshine, all tending in turn to assist maturity of crown, conditions so essential to economic forcing. Specially made beds reserved for the earliest supplies will, by the rotative course of forcing, submit more readily in course of time, and supply daily gatherings. Those readers who may not have adopted this course, and have

pressing demands made upon rhubarb supplies, may find it advantageous to prepare such beds as a possible provision for future requirements.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn



ENGLISH, Best quality, arriving constantly.
Spawn is from
selected specimens } 25 lbs. \$2.00
} 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
Pure Culture } 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 25 Barclay St.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Know Ye This?

- We** grow only Chrysanthemums and Asters
- We** have had 21 years' experience in introducing Novelties.
- We** grow more hand hybridized seedlings than all others combined.
- We** submitted 14 seedlings and received 13 First Class Certificates.
- We** have the strongest collection for 1911 ever offered either by ourselves or others.
- We** have the best Commercial set flowering from July to January.
- We** shall offer five Exhibition Novelties which are unequalled, Next November shows will sustain us.
- We** are not holding you up because we have a cinch on the good things for 1911
- We** have set a price not to exceed 75c each.
- We** know the American raised are the best.
- We** also know many of the Foreign novelties cost nearly three fold.
- We** assure you this is only the difference between American and Foreign prices and does not refer to quality.
- We** import annually many varieties not as good as those we throw out.
- We** leave it to you. Think this matter over.
- We** have a new white and light pink Aster known as Smith's Peerless.
- We** are certain they are just as deserving of your consideration as the Chrysanthemum.
- We** solicit a share of your patronage.
- We** will gladly send immediately descriptions and prices to those wishing to place early orders.
- We** shall issue our complete catalogue in January.

ELMER D. SMITH & CO., Adrian, Mich.

A FEW SPECIALTIES IN BULBS

Of which we have good stocks at present, and which we can offer in quantity:

Narcissus

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

Per 1000

Emperor, Bicolor Victoria, Empress, extra large double-nosed bulbs.....	\$15 00
Golden Spur, extra large double-nosed bulbs.....	19 00
Grande.....	9 00
Princeps.....	6 50
Poeticus Ornatus, extra large double-nosed bulbs.....	7 50
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, \$1 50; bundle of four baskets (120 bulbs), \$4 20.	

Tulips

Per 1000		Per 1000	
Chrysolora.....	\$ 7 00	Rose Luisante.....	14 50
La Reine.....	8 00	Thomas Moore.....	8 00
Prince of Austria.....	12 00	Parrot, fine named 4	
Rose Gris de Lin.....	8 50	sorts.....	7 50
Rosamundi Huykman.....	8 00	Finest mixed.....	6 00
Mon Tresor.....	11 50	Vermilion Brilliant.....	7 50
Single, finest mixed, all colors, for bedding.....			7 50
Murillo, the most profitable tulip for florists' use for forcing; always in demand; a very profitable variety at the price we are able to offer it this year, viz.....			10 00
Salvator Rosa.....			14 00
Double, finest mixed, all colors, for bedding.....			8 50

Lily of the Valley.

Our Perfection grade, new importation, Now Ready. Case 500 pips for \$8 00; case 1000 for \$15 00; case 2000 for \$28 00

Hyacinths

Per 1000

Miniature, Chas. Dickens and Moreno.....	20 00
White Roman, selected bulbs, 13 to 15 cm.....	25 00

Miscellaneous

Lilium Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition Case 200 bulbs..	\$15 00
Longiflorum Giganteum, Case 300 bulbs.....	19 50
Callas, selected bulbs, about 1 1/4 in. in diameter, \$7 50 per 100	
Spanish Irls, named varieties, Belle Chinoise, British Queen and Darling.....	4 00 per 1000
Finest mixed, all colors.....	2 50 per 1000
Bermuda Buttercup Oxalis.....	6 00 per 1000
Snowdrops, Single and Giant.....	4 50 per 1000
Double.....	9 00 per 1000
Gladiolus America, the finest of all Gladioli for forcing.....	35 00 per 1000
Spirea, in case lots of 100 bulbs: Japonica...	4 50 per case
Compacta Multiflora.....	5 50 per case
Pot-grown Lilacs, Marie Legraye and Chas. X.....	9 00 per doz.

For other bulb stock, see our complete wholesale bulb list, free on application.

For Ferns, see advertisement on front cover.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, N. Y.

Chrysanthemum Novelties

THE varieties I send out from year to year always lead at the exhibitions. Note the wonderful flowers of Mrs. D. Syme, Howard Gould and W. Woodmason, of last year's set. For next year I will have Lady Carmichael, a beautiful white; Mrs. G. C. Kelly, pink; E. M. Byrnes, a lovely scarlet; F. T. Quittenton, a fine crimson, and others. :: :: :: :: ::

IN NEW CARNATIONS

I will send out White House and Princess Charming, two kinds you will need in your business. White House won the silver cup for the best new variety at Morristown, Nov. 2nd, and bronze medal at Carnation Society meeting at Pittsburg. My catalogue will be ready in December. Send for a copy. ::

CHAS. H. TOTTY,

Madison, N. J.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14 to 1911.

ALVIN, TEX.—The Alvin Japanese Nursery Co. are erecting a large frame building to be used as a warehouse and show room for their nursery stock.

NEW HAVEN, CONN.—Ernest F. Coe, president of the Elm City Nurseries, sails from San Francisco December 13 for Japan. The winter will be spent in travel and study of Japanese gardens.

American Association of Nurserymen.

The thirty-sixth annual convention of this association will be held June 14-16, 1911, in St. Louis, Mo. The headquarters of the convention will be The Southern hotel, a hostelry with a record which we have every reason to believe will demonstrate the wisdom of the choice made by the committee charged with the responsibility of making the selection. We are assured that this hotel was built especially for convention business, with every convenience for meetings and committees, with the largest lobby in the world, and 400 rooms for guests, each room having an outside exposure. If summer weather prevails at the time no better place could be found for comfort.

The secretary is already laying plans for a vigorous canvass for new members, and is hopeful that not less than one to two hundred will be obtained. The work done at the last meeting of the association in Denver, was such as should challenge the attention of every man claiming to be a nurseryman. The report of that meeting, containing papers and discussions, is worth several times the cost of membership, to say nothing of other valuable privileges secured by such membership. It is not too early to write the secretary for information regarding membership. His address is, John Hall, 204 Granite Bldg., Rochester, N. Y.

Cornus Officinalis.

The general appearance of Cornus officinalis is much like C. mascula. The last species is a native of South Europe and Asia Minor, and the first is a native of Japan. They both flower about the same time in early spring. Cornus mascula has flowers with shorter pedicels than Cornus officinalis, but the leaves of Cornus officinalis are much paler beneath and with prominent tufts of dark hairs in the axils of the veins. The oblong bright scarlet fruits are at present hanging without loss of color on Cornus officinalis and are highly ornamental and are not quite as large as the fruits of Cornus mascula. The fruits of Cornus mascula ripen much earlier and are highly colored in August, and usually fall in September, but occasionally an individual may hold its fruits until October. On account of the fruits of Cornus officinalis hanging so late in the season its decorative value is highly unbalanced. Any hardy shrub with decoration showing fruit in November and December is important.

JOHN DUNBAR.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Ground Covers

— AND —

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

— For the Best New and Standard —

DAHLIAS

— address —

PEACOCK DAHLIA FARMS,
Williamstown Junction, N. J.

Post Office: Berlin, N. J.

Jacs Smits & Co., NAARDEN
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

Evergreen Boughs for Decorating

Per 100 pounds Per 100 pounds
Arbor Vitae, 5 to 10 in., \$1.50; 12 to 36 in. .. \$1.00
White Spruce, 5 to 10 in., 1.50; 12 to 36 in. 1.00
White Pine, 5 to 10 in. .. 1.50; 12 to 36 in. 1.00
Sphagnum Moss, per bale, 75c; 10 bales, \$6.50.

Cash with order.

CHAS. F. UECKE, New London, Wis.

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up; 1000 in 10 distinct kinds, either show, decorative or Cactus our selection of kinds for \$40.00. Cash.

Canna Roots, Strong division, at \$2.00 per 100, \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Eugene Pitou, Jr. CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

ROSES

For Forcing.

We can now offer for prompt delivery, dormant stock for Easter forcing. Good stock is scarce this year so order early.

Try the two improved Baby Ramblers:

Jessie, per doz., \$5.50; per 100, \$40.00
Phyllis, per doz., 3.00; per 100, 22.00

They are comers. Write for description.

Baby Ramblers

2-year per doz., \$2.00; per 100, \$14.00
3-year per doz., 2.50; per 100, 16.00
½ standard each 1.00; per doz., 10.00

Mrs. Cutbush

2-year per doz., \$2.50; per 100, \$16.00

Crimson Ramblers

2-year per doz., \$2.00; per 100, \$15.00
3-year per doz., 3.00; per 100, 18.00
Standards, 3 to 4 feet, each 75c

Dorothy Perkins

2-year per doz., \$2.00; per 100, \$15.00

Hiawatha

2-year per doz., \$3.50; per 100, \$25.00
Standards, 3 to 4 ft. stem each 1.00

Lady Gay

2-year per doz., \$3.00; per 100, \$20.00
Standards, 3 to 4 ft. stem each 75c

Tausendschon

2-year per doz., \$3.00; per 100, \$20.00

Hybrid Perpetuals

2-year per doz., \$1.75; per 100, \$14.00
Anna de Diesbach, Magna Charta,
Baroness Rothschild, Mrs. John Laing,
John Hopper, Ulrich Brunner.

2-year per doz., \$2.00; per 100, \$15.00
Mrs. R. G. S. Crawford, Paul Neyron
and others.

Manetti

For December and January delivery.

English 100 1000 5000
French \$1.75 \$13.50 \$60.00
..... 1.50 12.00 50.00

Hydrangea Otaksa

6 and 7 in. pot grown, 3 to 4 flowering stems
Per doz. \$5.00; per 100, \$40.00
7-in. pot grown 5 to 6 flowering stems
Per doz. \$8.00; per 100, \$65.00

Deutzias

Per doz. 100
Gracilis, 7-in. pot grown \$2.00 \$15.00
Lemoinei, 7-in. pot grown 2.50 16.00

Rhododendrons

Best named varieties for Easter forcing.

For December and January delivery.

Each Doz.
Bushy, well shaped plants, 8-12 buds \$1.00 \$9.00
" " " 12-18 buds, 1.25 12.00
" " " 18-24 buds, 2.00 20.00

All of this stock is freshly imported and very choice. Early orders receive first attention.
Prices are f. o. b. Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph St
CHICAGO

25 Barclay St.
NEW YORK

A. N. PIERSON, Inc. Cromwell, Conn.

Boston Ferns

	Each	Per doz.
6-inch pans, strong bushy plants.....	\$0 50	\$ 6 00
7-inch pans, strong bushy plants.....	75	9 00
8-inch pans, strong bushy plants.....	1 00	12 00

Adiantum Farleyense

5-inch pots.....75c each	5-inch pots, selected...\$1 00 each
6-inch pots.....	\$1 50, \$2 00 and \$2 50 each

Adiantum Croweanum

4-inch pots.....	\$15 00 per 100
------------------	-----------------

Ficus Pandurata

6-inch pots.....	\$1 00 each
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Gardenias

6-inch pots, extra fine plants.....	\$6 00 and \$9 00 per doz.
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Begonias Gloire de Lorraine

5-inch pots.....50c each	6-inch pots...75c and \$1 00 each
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Asparagus Sprengeri

2 1/4-inch pots.....	\$3 50 per 100; \$30 00 per 1000
3-inch pots.....	\$6 00 per 100
4-inch pots.....	\$10 00 per 100

Asparagus Plumosus Nanus

2 1/4-inch pots.....	\$3 50 per 100
3-inch pots.....	\$6 00 per 100

Cocos Weddelliana

3-inch pots.....	\$15 00 per 100
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Jerusalem Cherries

Short, stocky plants.....	\$2 50 per doz.; \$20 00 per 100
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Crotons

5-inch pots.....	\$0 75 each; \$ 9 00 per doz.
6-inch pots.....	1 00 each; 12 00 per doz.

Lily of the Valley Clumps

\$15 00 per 100

Splendid Stock for the Holidays Dreer's Unequaled Specimen Plants of Cocos Weddelliana.



Adiantum Farleyense.

If you have not included specimen plants of Cocos Weddelliana in your Christmas stock before, you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3-inch pots, 8 to 10 inches high, \$2.00 per doz.; \$15 00 per 100
5-inch pots, 18 to 24 inches high, splendid plants, 75c each.
7-inch pots, 36 to 42 inches high, grand specimens, \$2.50 each.
10-inch pots, 30 to 36 inches high, very stocky, well balanced plants. \$5.00 each.

Adiantum Farleyense.

In prime condition for use in hampers, made-up work, etc.
4-inch pots, splendid stock.....\$ 5.00 per dozen
5-inch pots, splendid stock.....9 00 per dozen
6-inch pots, splendid stock.....12 00 per dozen

Asplenium Nidus Avis Birds Nest Fern.

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine made-up work.
3-inch pots, 30c each; 4-inch pots, 40c each.

Platyserium Stemmaria.

A large leaved variety of the Elk's Horn Fern. This is novel and out of the usual run, and will attract attention, good 6-inch pots, \$2.50 each.

HENRY A. DREER, Inc.,

714 Chestnut St.,

Philadelphia.

500,000 California Privet FOR FALL OF 1910.

☐ A fine stock of 1 and 2 year plants, from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., **JERSEY CITY, N. J.**

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture



Arbor Vitæ

(*Thuja Occidentalis.*)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Hybrid Perpetual and Rambler Roses.

Strong Forcing Stock for Florists.
Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N.Y.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.
Wholesale catalog for fall issued Sept. 1st.

Geraniums

S. A. Nutt.....\$11.50 per 1000.
Poltevine..... 14.00 per 1000.
Ricard..... 14.00 Per 1000.

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order or send ten cents for samples.

Coleus

Verschaffeltii\$6.00 per 1000
Golden Oeder 6.00 per 1000
Standards in assortment 5.00 per 1000

Giant leaved, the best collection in the country at \$1.25 per 100 or \$10.00 per 1000. Cuttings will be well rooted of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms cash.

A. M. HERR,
LANCASTER, PA.

Mention the American Florist when writing

ORCHIDS

We are one of the largest collectors and importers of Orchids.
Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

Tarrytown Horticultural Society.

The regular meeting of the above society was held in the society's rooms on November 25. The secretary read a report of the November show which was very satisfactory. The number of entries was considerably larger than in former years, and in spite of the inclement weather on the last day the attendance was quite up to the average. The following honorary members were elected: Mrs. Stuyvesant Fish, Garrison; Robt. Clowry, Tarrytown, and Frank A. Vanderlip, Scarborough, and Wm. Marver, Larchmont; Henry Wagner, Tarrytown; Wm. Brock, Tuxedo, and Jas. Corrigan, Mamaroneck, were elected as regular members, while several names were proposed to be voted on at the next meeting.

The prize for this month for the best six roses, any one variety other than American Beauty, was won by James Stuart, gardener to Mrs. F. A. Constable, Mamaroneck, with a splendid vase of Killarney. Wm. Roberts, gardener to Frederick Potter, Ossining, was awarded a first-class certificate for a scarlet seedling carnation.

Nominations for officers for the ensuing year were made, and committees appointed to arrange for the annual dinner and to make inquiries regarding a hall for the next fall exhibition. The election of officers will take place at the December meeting.

WILLIAM SCOTT, Cor. Sec'y.

Surplus Shrubs, Roses Dahlias and Other Stock

We have the finest lot of large-sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices:

Hydrangea Paniculata Grandiflora

2 ft., 5 to 8 branches.....\$8.00
18 in., 3 to 5 branches..... 6.00
12 in., 2 to 4 branches..... 5.00

Viburnum Pilcatum, extra fine stock

4 to 6 ft., 6 to 8 branches.....\$8.00
2 to 3 ft., 4 to 6 branches..... 5.00
6 to 8 in., 1 to 3 branches..... 3.00

Altheas, all colors, fine plants

18 to 24 in., 4 to 8 branches.....\$4.00

Berberis Thunbergii

Splendidly branched 100
10 to 13 in., 6 to 8 branches.....\$5.00
8 to 10 in., 4 to 5 branches..... 4.00

California Privet

Magnificent stock 100
2 years planted, 15 to 20 branches.....\$6.00
1 year planted, 5 to 8 branches..... 3.00

Clematis Paniculata

Extra strong plants 100
3 years old.....\$10.00

FOR FLORISTS' USE:

Roses

All on their own roots, field-grown, fine, strong and thrifty.

Mrs. David Jardine, Killarney, Richmond, American Beauty Kaiserin Gen. Jacqueminot (bench stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H.P.'s..... 15c each

White and Pink Cochet Mrs. B.R. Cant and Wm. R. Smith, all field-grown..... 20c each

We can also supply, in strong young pot plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.

Dahlias

Great clumps, in splendid shape. All the leading sorts

\$5 per 100; \$45 per 1000.

Send for list of splendid varieties, all kinds.

CANNAS. Many of the best varieties. Divided roots, \$3.00 per 100. Send for list.

ASPARAGUS. Both Sprenger and plumosus—and

MAIDENHAIR FERN. Extra fine, strong clumps, grown under ideal conditions, every plant perfect. Just the thing you can sell in big quantities for home decoration, 15c each, in any quantity.

VIOLETS. Immense field-grown clumps both double and single, \$6.00 per 100.

Surplus Bulbs Fine for spring trade, in pots. All splendid, first-class bulbs.

Named Hyacinths.....\$35.00 per 1000
Named Tulips..... 10.00 per 1000
Named Narcissus..... 10.00 per 1000
Mixed Hyacinths, in colors, 20.00 per 1000
Mixed Tulips..... 8.00 per 1000
Monster Yellow Crocus..... 6.00 per 1000
Named Crocus..... 4.00 per 1000
Mixed Crocus..... 3.00 per 1000

We're open to an offer on these bulbs, as the season is late.

THE DINGEE & CONARD CO.,

West Grove, Pa.

Mention the American Florist when writing

Boxwood

We have just received a shipment of prime stock and can handle orders for prompt delivery.

BUSH BOX

Prices do not include tubs.

	Each	Doz.	100
10 to 12-in.....	30c	\$3.00	\$20.00
12 to 15-in.....	35c	3.50	25.00
15 to 18 in.....	45c	4.50	35.00
18 in.....	60c	6.50	50.00
20 to 24-in.....	75c	8.00	
30-in. extra bushy, each, per pair, \$4.50.		\$2.50	

PYRAMID

	Each	Pair
2½-ft. high.....	\$2.00	3.75
3-ft. high.....	2.50	4.50
3½-ft. high.....	3.00	5.50
4-ft. high.....	4.00	7.50
5½-ft. high.....	7.50	14.00

STANDARD

	Each	Pair
18 to 20 inch crown.....	\$3.00	\$5.50
24 to 26-inch crown.....	4.50	8.00

GLOBES

15x15-inch.....	\$2.50	\$4.50
18x 8 inch.....	3.00	5.50

Prices f. o. b. Western Springs.

We can also supply a few nice Bay Trees crowns, 26, 28, 32, 34 and 40 in.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nursery. Western Springs, Ill.



Prices include new green tubs, discount if wanted out of tubs.

DELPHINIUM FORMOSUM Hardy Lilies

Tenuifolium, Wallacei, Hansonii, Henryi, etc.
IRIS KAEMPFERII, DAPHNE CNEORUM and GERMAN IRIS.

Write for Prices.

E. S. MILLER,

Wading River, N. Y.

Ferns

Four-inch, heavy, well rooted plants.

Pieroni, Elegatissima, Barrowsi, \$14.00 per 100; Boston, \$15.00 per 100.

Wagner Park Conservatories
SIDNEY, OHIO

E. G. Hill Co.'s New Forcing Hybrid Tea

Rose Queen



Color—This new rose has the startling shade of pink found in *Rodocanachi*, or in a perfect *Testout*, with yellow standard at the base of the petal, which is a guarantee that the flower will never "blue" with age, and that it will not fade in bright sunlight.

Form—The bud is very long, slender, and pointed, and opening shows a heart glowing with color.

Stem—One of its strongest points is the freedom and quickness with which it makes long stems, which hold the fine buds quite upright, producing high-grade blooms earlier than any other rose on first year plants.

Petalage—It is fuller than *Killarney* and opens readily even in dark weather.

Its **Keeping Qualities** are remarkable; it has carried in fine condition to all the shows, and has stood up well after arrival.

The **Foliage** is decidedly handsome, while not too profuse.

It has a strong **Constitution**, is healthy and free from mildew and blackspot; does not drop its foliage as *Killarney* does, and never takes on the faded appearance that so often mars the beauty of the latter.

Management—The average grower will have no trouble in producing high grade blooms, for the variety has no ugly tricks of growth or faults of constitution; takes same temperature as *Killarney* or 'Maid. It **Propagates** readily.

Rose Queen won the prize at the Chicago Show, November, 1910, as the best undisseeded seedling.

Ready March 1.—50 cents each. \$35 per 100 (25 at 100 rate. \$300 per 1000 (250 at 1000 rate). \$5 per 100 additional for grafts ready during March.

New Carnation Bonfire

Exhibited as **Mrs. Beckwith**, but the lady's choice being a pink carnation, we are reserving her name for one of her favorite color.

Color intense velvety scarlet; a nice, clean grower, with beautiful blue grass, indicating a strong constitution; habit, excellent, free in growth and bloom, stem long and stiff, with a strong calyx; this is a first-rate commercial scarlet, a fine companion for **Beacon**, which is now practically our only red variety.

It is early, and opens its bloom quickly; an unusually good traveler and keeper. Each year of its trial has confirmed our estimate of its value.

Won **Silver cup** (Sweepstakes) at Chicago Show for best seedling of 1909.

First in Class of Red Seedlings at Chicago Show, 1910.

First at Indianapolis in 1910, for best 50 Red in open class; winning over eight entries of Standard and Novelty varieties.

\$12.00 per 100; \$100.00 per 1000.

Mrs. Aaron Ward

THE NEW YELLOW FORCING ROSE.

This rose is a real joy to the grower, and absolutely distinct; if it never bore a flower, the plant would still be an object of beauty with its close-set foliage, dark and glossy leaves, long, slender pointed, with maroon reverse.

The habit is admirable, very freely branched, making a perfect shrub in form, and rustling with health.

Every shoot produces a flower—

And the color! Coppery orange in the opening bud; golden orange when partly developed; pinkish fawn of lovely shade when fully open. when it looks like a full, fluffy silk rosette. No wonder that flower-buyers have fallen in love with it.

Any grower wishing novelty in his cut roses, any florist needing something beside pink and white and red, will be delighted with the lovely **Mrs. Ward**.

\$ 12.00 per 100 Own root.
100.00 per 1000 January delivery.
\$25 per 100 for strong grafts in March.

The E. G. HILL CO.,

Richmond, Ind.

Boston Ferns

Our stock took first prize at the Chicago Flower show. We have lots of prize winning plants in good condition. Order now before freezing weather sets in.

We have the finest stock in the West.

	Each	Doz.	100
2½-inch pot plants....	\$.10	\$.75	\$ 5.00
3-inch pot plants.....	.15	1.25	8.00
4-inch pot plants.....	.25	2.50	20.00
5-inch pot plants.....	.40	4.50	35.00
6-inch pot plants.....	.75	8.00	60.00
7-inch pot plants.....	1.00	10.00	75.00
8-inch pot plants.....	1.25	14.00	100.00
10-inch pot plants....	2.50	\$3.00 each.	

Prices F. O. B. Western Springs.

Vaughan's Seed Store,

CHICAGO: NEW YORK:
84-86 Randolph St. 25 Barclay St.
Mention the American Florist when writing

Verbenas! Verbenas!! Verbenas!

The Gem Bedding Plant.

Send for circular.

J. L. Dillon
Bloomsburg, Pa.

Mention the American Florist when writing

Primroses

	Per 1000	Per 100
Chinese, 2½-in. pot.....	\$12.00	\$1.50
Obc. Alba and Rosea.....		1.50
Obc. Gigantea.....		2.00
Asp. Sprengerl.....		2.00
Alternantheras, red and yellow, R. C.		60
—Cash—		

JOS. H. CUNNINGHAM, Delaware, O
Mention the American Florist when writing

NEW CARNATION

Princess Charming

Color same as Enchantress, but a decided improvement on Enchantress.
\$12.00 per 100; \$10.00 per 1000.

HENRY EICHHOLZ, Originator, Waynesboro, Pa.
Mention the American Florist when writing

Wichita, Kans.

The Thanksgiving trade was up to expectations, which means that it was enough better than last year to keep up with the record for the reasonable increase which this year is showing over last. The chrysanthemum held the center of the stage. There was also a good call for roses and carnations. The prices on carnations advanced about 25 per cent—owing to the higher wholesale prices. A good sale of potted chrysanthemums is reported by those who had them in supply. The weather was perfect—the nights not even freezing cold—and was a great help towards making the week's business satisfactory to the florists.

Ralph Culp and Miss Grace Whitlock were married on Thanksgiving day.
W. I. CHITA.

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class. Won first honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, - - - \$ 12.00
Price per 1000, - - - 100.00

Price per 5000 - \$400.00
25 at 100, 250 at 1000 rates.

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
Wisconsin.

Seasonable Stock

Kentia Belmoreana, 2½-in. pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4-in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½-in. \$5.00 per 100; 5 in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Plumosus, 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengerl, Strong 5-in. pot plants 15c.

Primula Obconica Grandiflora, pink, red and white, 2½-in. pots, \$2.50 per 100.

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Heliotrope, Purple, in five good varieties, \$3.00 per 100; \$25.00 per 1000.

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Box 224, Danville, Ill.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

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FLORIST,

PEKIN, : ILL.

Ferns for Dishes

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2½-in. \$3.50 \$30.00
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Per 100
Asparagus Comorensis, 1-yr.-old clumps... \$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
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From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.
Superbissima, 5-inch 20c; 6-inch, 35c.
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Cannas, in ten leading varieties, \$2.00 per 100. Write for special prices in large quantities.

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Baron Bonstettin,	Gen. Washington,	Crawford,
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well branched, own roots	\$2 00	\$12 00
2 year old 2-3 feet, well branched, budded	2 00	12 00
3 year old 3-4 feet, well branched, own roots	3 00	15 00
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From 2 1/2-in. pots.....\$4 00 per 100
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Calla Elliottiana..

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and Novelties in Decorative Plants.

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Violets, field-grown, **Lady Campbell** to clean out, \$3.00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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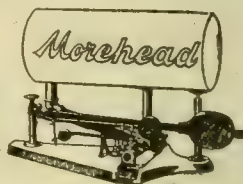
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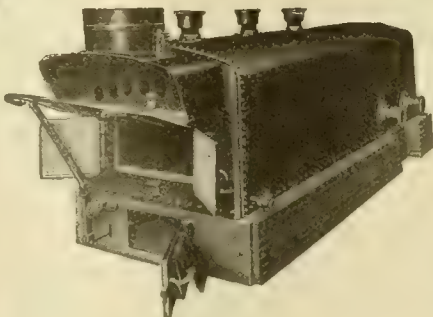
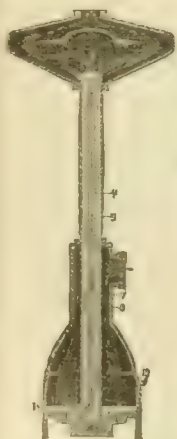
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Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 75c. Park Floral Co., Denver, Colo.

Araucarias, McHutchison & Co., 17 Murray St., New York.

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Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprenger, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprenger, 2½-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprenger, 2-in., \$1.50 per \$100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprenger, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2-in., 2½c. Asparagus Sprenger, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprenger, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 4, 5 and 6-in., 15c, 25c and 50c. Park Floral Co., Denver, Colo.

Asparagus Sprenger, 6-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2½-in., \$4 per 100. Hoerber Bros., 51 Wabash Ave., Chicago.

Asparagus Sprenger and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprenger, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

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AZALEAS IN BLOOM. Fine plants, worth \$12, \$15, \$18 and \$24 per dozen. Specimens, \$3 each. Very showy for Christmas. See Cyclamen offer. Gullett & Sons, Lincoln, Ill.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas, \$1 to \$3.50. Park Floral Co., Denver, Colo.

Azaleas, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas. Jacobs Smits, Naarden, Holland.

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Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

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Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Red begonias, 2½-in., \$5 per 100, four varieties. Geo. A. Kuhl, Pekin, Ill.

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Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2nd cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. For prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

CARNATIONS.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

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Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnations, F. Dörner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums. Charles H. Totty, Madison, N. J.

Chrysanthemums, pompons, 3-in., 75c per doz.; \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremunstown, Pa.

Cineraria, 2½-in., \$2 per 100. J. O. Schmidt, Bristol, Pa.

Cinerarias, 4-in., 12½c; 5-in., 25c. Park Floral Co., Denver, Colo.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 80c per 100; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, G. Bedder, Verschaffeltii, etc., R. O., 60c per 100; \$5 per 1,000. Brillancy, 2-in., \$3; 3-in., \$4 per 100. Standard sorts, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., Sons Co., White Marsh, Md.

Coleus, Verschaffeltii, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, Verschaffeltii, Golden Bedder and fancy assorted, \$2.00 per 100; \$15 per 1,000. The E. G. Hill Co., Richmond, Ind.

CROTONS.

Crotons, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamen, extra well budded, 5-in., \$25 per 100; 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

CYCLAMEN FLOWERING. Choice plants, in bloom, 35c, 50c, 75c, \$1 and \$1.50 each. See azaleas, classified. Gullett & Sons, Lincoln, Ill.

Cyclamen, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Cyclamens, 3, 4, 5, and 7-in., 25c, 35c, 50c, 75c and \$1.25. Park Floral Co., Denver, Colo.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Dahlia roots. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Daisies, \$2.50 per 1,000. J. O. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoiné, 7-in., \$2.50 per doz.; \$18 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena fragrans, 8-in., 30 to 36 ins., \$18 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracaenas, \$1, \$1.50, \$2 each. Geo. A. Kuhl, Pekin, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. DICKSONIA ANTARCTICA. A grand commercial tree fern of greatest value. 4-in. stock, \$8 per doz.; \$65 per 100. FERN SEEDLINGS in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. ADIANTUM CUNEATUM, 4-in., \$12 per 100. Asparagus plumosus nanus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

FERNS. BOSTON. SCOTTIL. WHITMANI. ELEGANTISSIMA, ETC.

Clean healthy plants, pot-grown.

	Doz.	Per 100
5-inch	\$3.00	\$25.00
6-inch	4.50	35.00
8-inch	each, \$1; doz., \$12	

Cash, Please.

LEY & BICKINGS. GOOD HOPE, D. C.

Ferns. Boston. 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns. Boston and Pieroni, 2½-in., 4c; 3-in., 8c. Elegantissima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Boston ferns. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns. 5-in., 40c; 6-in., 60c. Assorted for ferneries, 2 and 2½-in., 6c. Park Floral Co., Denver, Colo.

Ferns. Scholzei, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns. Boston and Whitman, 2½-in., \$3.00 per 100; \$25 per 1,000. The E. G. Hill Co., Richmond, Ind.

Ferns. Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Heavy plants, Boston, 4-in., \$15 per 100. Pieroni, Elegantissima, Barrows, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For varieties and prices see advertisement on 1st cover page this issue. F. R. Pieroni Co., Tarryton-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FEVERFEW.

Feverfew, large double white, R. C., \$1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

Geraniums from 2-in. pots, good stock. Nutt, La Favorite, L. Aube, Viand, Jaulin, Col. Thomas, Lecadre, Mosnay, Vasseur, Ornella, Oberle, Wyzewa, \$2 per 100; \$18.50 per 1,000. Dagata, Bisquit, Hill, Baillet, Pamela, Lamarque, Vincent, Dryden, Roseleur, \$3 per 100; \$25 per 1,000. Pelargoniums, Mme. Laval, \$5 per 100. Cash with order. Write for geranium catalogue. A. D. Root, Wooster, Ohio.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beante Poitevine, Mme. Buchner. Strong healthy cuttings, well rooted, prompt delivery. \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viand, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$3; Geo. M. Emmans, Newton, N. J.

Geraniums, standard varieties, rooted cutting, 1½; 3-in., 5c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Poitevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. B. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, fancy and dagger ferns, \$1.50 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Green Roping, 20 yards in roll, at 3, 4 and 5c per yard. Green wreaths, 12-inch, \$1; 14-inch, \$1.50; 16-inch, \$2 per doz. With cape flowers, \$1.50, \$2, \$2.50 and \$3 per doz. Blankets for cemetery, 2½x6 feet, \$3; 3x7 feet, \$4 each. Magnolia Wreaths, 14-inch, 75c; 16-inch, \$1.25; 18-inch, \$1.50 each. Geo. A. Kuhl, Pekin, Ill.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

WREATHING. We have the green and are making wreathing. Light weight, \$3; medium, \$4; heavy, \$5 per 100 yards. Cash. HOLLY WREATHS, \$1.50 per doz. XMAS TREES. Write for price list. Joseph Bancroft & Son, Cedar Falls, Iowa.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Evergreen boughs, arbor vitae, white spruce, white pine, sphagnum moss. Chas. F. Uecke, New London, Wis.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonus & Co., 50 W. 28th St., New York.

Wild Smilax, 50 lb. cases, \$1.75. Henry M. Robinson & Co., Pine Apple, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, galax, dagger and fancy ferns, leucothoe sprays, etc. For prices see advertisement elsewhere in this issue. North Carolina Evergreen Co., Banner Elk, N. C.

Greens, fancy holly, sheet moss, laurel, autumn foliage, mistletoe. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Jap air plants in canoes, \$2; in baskets, \$1.50 to \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Holly, T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hollyhocks, neia-grown, \$2.25 per 100. Byer Bros., Chambersburg, Pa.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Heliotrope Centiflore, \$10 per 100. E. G. Hill Co., Richmond, Ind.

HELIOTROPES.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea arborescens grandiflora, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangea Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

10,000 Hydrangea Otaksa, pot grown, 4-in., \$5 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

Jerusalem cherries, 5-in., 25c; 6-in., 40c. Park Floral Co., Denver, Colo.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries; fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries in fine color, 3-in., \$10; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Lantanas. Brunt's Dwarf Bedders, Fancies, in bloom, \$3.00 per 100; \$30 per 1,000. The E. G. Hill Co., Richmond, Ind.

Lantanas, asst., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, Mme. Lemolnel, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pipe grown by Mr. E. Neubert, Wandsebek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage, \$1.75 per 100; \$3.25 per 250; \$6.50 per 500; \$12.50 per 1,000. Arthur T. Boddington, 342 W. 14th St., New York.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 per 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50. American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Hydrangea paniculata, Grandiflora, Viburnum plicatum, albeas, Berberis, Thunbergi, California privet, Clematis paniculata. For prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rockery. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, Importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

PANSIES.

Pansies, giants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau. Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, 50c per 100; \$2.60 per 1,000. Jos. H. Cunningham, Delaware, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, for prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentia Bel., 2 1-2 in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, 50c, 75c, \$1, \$1.50 and \$2.50 each. Geo. A. Kuhl, Pekin, Ill.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, \$5 per 100; \$40 per 1,000; 2-in. stock. Cash please. A. J. Winget, Mansfield, O.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

POINSETTIAS.

Poinsettias, 2½-in., \$5; 3-in., \$10; 4-in., \$15. Geo. A. Kuhl, Pekin, Ill.

Poinsettias, 6-in. pans, 75c. Park Floral Co., Denver, Colo.

PRIMULAS.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obconica, alba and rosea, \$1.50. Obconica gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula from 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA. Ronds-dorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese, Baby and Obconica, 2½-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Primula obconica, 5-in., \$10 per 100. Mosback Greenhouse Co., Onarga, Ill.

Primula Obconica, 4, 5 and 6-in., 15c, 25c and 50c. Park Floral Co., Denver, Colo.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinnensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica Grandi., 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

CALIFORNIA. AMOOR RIVER AND THUNBERGS BARBERRY. Cal. all 2-yr., 5 to 15 in. bran., \$5, 1,000; 12 to 18 in., 2 to 5 bran., \$7.50, 1,000; 18 to 24 in., 3 to 6 bran., \$10, 1,000; 24 to 30 in., 5 to 8 bran., \$15, 1,000; 30 to 36 in., 6 to 10 bran., \$20, 1,000. Amoor River (hardy) 12 to 18 in., \$11, 1,000; 18 to 24 in., \$15, 1,000; 24 to 30 in., \$18.50, 1,000; 30 to 36 in., \$22.50, 1,000; 36 to 48 in., \$30, 1,000; all 2-yr., well branched. Thunbergs Barberry, 1 to 2 ft., well bran., \$3 per 100. F. O. B. Cash with order. VALDESIA NURSERY, Bostic, N. C.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Jacs Smit, Naarden, Holland.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

ROSES.

Roses, budded-field, grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Queen, 50c each; \$35 per 100; \$300 per 1,000. Mrs. Aaron Ward, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. Dingee & Conard Co., West Grove, Pa.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros, Fishkill, N. Y.

SEEDS.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon, King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmer Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiana & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed. Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seed onion. N. J. Westerman, Benchel, Ky.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VINCAS.

Vincas, variegated, strong field rooted tips stored without frost in a cool house. These plants will readily grow into stock for spring sales, \$1 per 100; \$10 per 1,000. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Vinca var., from field, \$4 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-clumps, \$6 per 100. Dingee & Conard Co., West Grove, Pa.

STOCK WANTED.

Wanted—Potted plants for holiday trade. C. C. Trepel, at Loeser's, Brooklyn, Bloomingdale Bros., New York.

Stock Wanted.—Small hardy, ornamental nursery stock. Give prices and condition of stock; also varieties in first letter. Address, Yancey Bros., Porterdale, Ga.

WHOLESALE CUT FLOWERS.**Commission Dealers.**

Amling Co., E. C., 32-36 Randolph St., Chicago

Desmud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCollough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Trandley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 37-39 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G. Co., Richmond, Ind.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Reinberg, Geo., 51 Wabash Ave., Chicago.
 Reinberg, Peter, 85 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Broomfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cedar Rapids, Ia.—J. E. Lapes.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
 Cincinnati—Julius Baer, 133 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.
 Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3543 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
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 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.
 Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
 AUBURNDAL GOLDFISH CO.
 920 Randolph St., Chicago, Ill.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
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Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave., and 26th St., Chicago.
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 Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

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The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.
 Model extension carnation support; galvanized rose stakes. Igoo Bros., 266 N. 9th St., Brooklyn, N. Y.
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 Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.
 Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.
 Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.
 Dennison tags. Dennison Mfg. Co., Chicago.

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"NUF-SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot, C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.
 Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

A. DIETSCH COMPANY

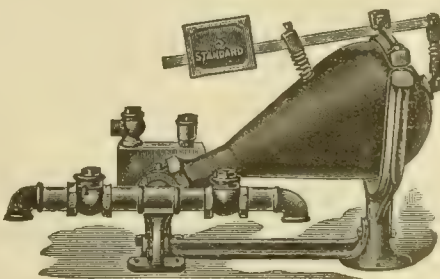
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For safe, light, efficient and durable construction, our houses have stood the test. Ask our customers about them.



The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

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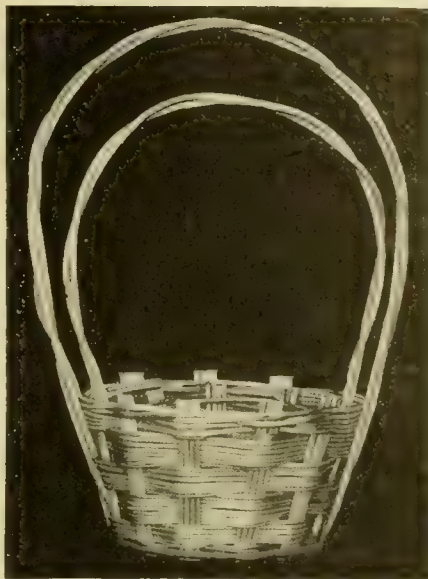
713 Milwaukee Ave. near Huron St., CHICAGO.

Christmas Baskets.

All the latest designs and novelties for the Holiday Trade. Our Pot Covers and Plant Baskets will double the value of your plants and increase your sales. Come and look over our display at once.

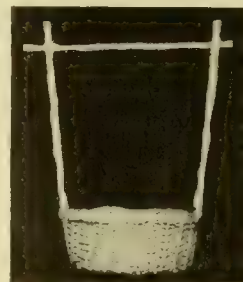


**We Please Others and
Can Please You.**



Order Now

Call and see us. Send for free catalogue.



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If you have not already placed an order with us you should do so immediately and reap the benefit of the Holiday Trade.

Our Baskets are very pretty and sell at sight.

Many florists have already sold their first order and have bought more. We are at all times pleased to show you our stock.



This T shaped plan of Curvilinear palm house and three curved eave wings was recently completed at Oakdale, N. J.



From this side you see the difficulties of such a location and how successfully they were met.

**Curved Eave Houses are
the Thing These Days.**

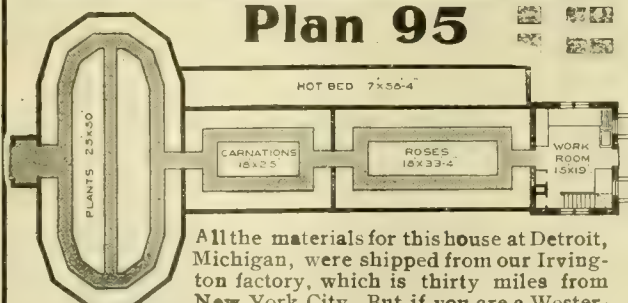
We have the model way of building them to obtain greatest light, the strength needed and the attractiveness you want. Send for information.

HITCHINGS & COMPANY

1170 Broadway, NEW YORK.



Plan 95



All the materials for this house at Detroit, Michigan, were shipped from our Irvington factory, which is thirty miles from New York City. But if you are a Westerner, we can save you that freight now, because our new factory near Chicago will be working merrily along first of the year. If you want immediate attention just write to Mr. Sykes at The Rookery, Chicago, and you will get quick action.

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Irvington, N. Y.

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Standard Steam and Hot Water Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Do Not Wait Until Cold Weather to Install Your Plant. Start Now.

Send for our Special Heating Catalog, filled with valuable information: tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. 300,000 feet of Standard Pipe, all sizes: will be cut to any length.

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Send for our new 1000 page Catalog No. 47.
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GREENHOUSES.

MATERIAL FURNISHED
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MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.

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combine quality, strength, simplicity neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.

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Tile Benches and Tile Bottoms

Gives results. Three styles of benches, including Iron Pipe Frame with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

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Garfield Bldg., Cleveland, O.

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

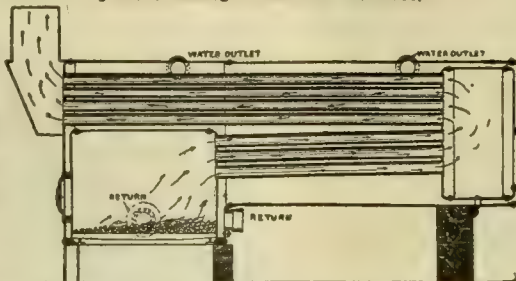
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

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GREENHOUSE GLASS.

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Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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WHOLESALE GLASS AND PAINTS,

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651-659 Washington Boulevard, CHICAGO.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

**Ship Lap, Drop Siding, Sheathing, Flooring,
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ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
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Telephones: Lincoln 410 and 411



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CHALLENGE
VENTILATING
APPARATUS**

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
P.O. BOX 100, PHILADELPHIA, PA.

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Christmas Goods

**Complete stock New and Fresh Goods
all of recent Importation.**

Baskets. We make up Guaranteed Assortments of Xmas Baskets suitable for Plants, Tables, Gift and Decorative work in \$3.00, \$5.00, \$10.00, \$15.00 and \$25.00 lots and allow the privilege of your returning any that are not exactly suited to your use.

Immortelles. 1910 importation, Red and all other shades, \$2.40 per dozen bunches. Wire for price on case lots

Statice. Fresh stock, 50c per lb.; 10 lbs. \$4.00.

Waterproof Crepe Paper. \$2.25 per doz.. \$17.50 per 100 rolls; All shades, full 10 ft. rolls.

Colored Capes, \$1.35 per lb.: 10 lbs., \$12.50. All shades of the best 1st size capes. Write for prices in quantity.

Magnolia Leaves. Imported stock of the finest grade, \$2.50 per basket of 1000 leaves, Green or Bronzes. We do not handle the domestic leaves.

Pin Oak Leaves. This comes in red shade only in baskets similar to Magnolia Leaves except the Oak Leaves are small and on branches \$2.50 per basket.

Sheet Moss. in Bags far superior to anything on the market large bags of clean green moss \$2.50 per bag.

Porto Rican Matts. All shades, colors and weaves 1-2 inch weave \$2.00 per doz. \$14.00 per 100.

Raffia. \$3.00 per doz. \$22.40 per 100.

Full line of **Violet Cards, Violet Pins, Violet Foil, Moss Wreaths,** and all other stock.

We Can Fill Your Orders Promptly.

E. H. HUNT, 76 Wabash Ave., Chicago

Greenhouse Material and Sash Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1361-1363 Flushing Ave Brooklyn, N.Y.

Cleveland.

DARK WEATHER.

There is very little change in the market as far as stock is concerned, if anything the amount is decreasing. The dark weather still continues and the outlook for Christmas none too good unless we have some sunshine. Stevia, Paper-White narcissus, callas, and a few sweet peas are arriving daily, but not nearly enough to meet the demand. Carnations continue about the same, and of pink and white roses the supply is short. American Beauties are having a good call and the quality is exceptionally fine. Greens of all kinds are plentiful except ground pine, which is too high in price and retailers are waiting for a break before buying, box-wood is having a good call and the quality is of the best; immortelles and moss wreaths and Christmas supplies of all kinds help to keep the market strong.

NOTES.

At the meeting of the Florists' Club held on November 28, there were about eighteen members present. After the regular business was completed President C. Schmitt spoke about the starting of a new club of which several florists had talked in Cleveland and Mr. Renard followed as spokesman for the new club, but after much discussion nothing was accomplished. Mr. Friedly made a motion to suspend the rules so as to give all visitors a chance to join the club, with the result that

To Tell All the Good Points of Our Construction

in this advertisement
are planning any
tions, it will pay

is impossible. If you
rebuilding or addi-
you to write us.

TRUSSED
SASH BAR
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IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

CYPRESS

Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Mr. Renard and about six others were admitted to membership. Mr. Friedly's idea is to rejuvenate the old club and not to start a new one and all present seemed to think that this was the best way. Every member has pledged himself to bring in at least one new member at the next meeting.

The Smith & Fetter's Co. had one of the best and largest casket covers of violets with an 18-inch border of lily of the valley that has ever been seen at this place on December 5, and a very large wreath arranged entirely of cattleya orchids, which was magnificent.
C. F. B.

The Climax Manufacturing Company's
Special Sale of

Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower. Design, Pillow and Shipping Boxes are made from Heavy Manila board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100	20x20x8	10.00
18x5x3	\$2.25	22x22x8	12.00
20x4x3	2.25	24x24x8	13.50
21x5x3	2.75	22x22x10	16.00
21x7x3 1/2	3.25	24x24x10	18.00
24x5x3 1/2	3.00	28x28x10	22.50
28x12x4	4.50	30x30x10	24.00
24x8x4	4.00	18x10x8	8.00
28x8x4	4.50	20x15x8	10.00
28x8x5	5.00	24x18x8	12.00
28x8x6	6.00	28x22x8	13.50
28x12x4	6.50	30x15x8	13.50
28x15x4	7.25	26x20x10	16.50
30x5x3 1/2	3.75	30x14x10	18.50
30x10x6	7.50	42x9x7	11.00
30x12x7	9.00	Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.	
30x6x5	6.50		
36x8x5	7.50		
36x10x6	9.00		
Size	Per 100		
16x16x8	\$8.00		
18x18x8	9.00		

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2 1/4 in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 300 or more. Extra Charge of \$1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of \$15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1,000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days' time, but no discount will be allowed unless the invoice is paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address

The CLIMAX MANUFACTURING CO.
225 Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St. Boston, Mass.
JACOB BRUNNER, Mgr.



SPLIT CARNATIONS

Quickly, easily and cheaply Mended. No tools required.

Pillsbury Carnation Staple
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.
Windsor Ont



Superior

Crimped Invisible Carnation Staple
(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents Postpaid. Sample free.

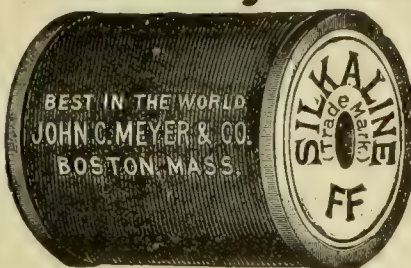
L. J. WAITK, 293 Main St., Springfield, Mass.

OUR GREATEST OFFER

An opportunity to obtain an absolutely free membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

National Florists' Board of Trade, 56 Pine St. NEW YORK

The "Meyer Green Silkline"

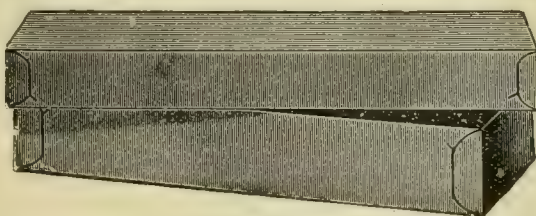


is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

Mention the American Florist when writing

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

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OUR SPECIAL

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We Manufacture all Our Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

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An Excellent Stimulant.

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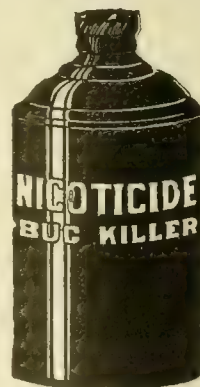
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Sunlight Double Glass Sash reduces to a minimum the labor connected with hot-bed and cold-frame gardening.

You never have to cover Sunlight Double Glass Sash

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The double layer of glass does it
(See diagram above.)

Between the two layers is a $\frac{3}{4}$ inch layer of dry still air—a transparent blanket that is better than mats or boards because it never shuts out the light. The plants get all the light all the time. As a result, they will grow faster and become sturdier, will be ready for the market earlier and bring the big prices.

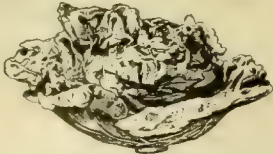
Glass is held in place without putty. Can't work loose, easily replaced.

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Write us for details.

Get these two books

One is our free catalog giving all the details of the Sash and of our freight prepaid and guaranteed delivery proposition. The other is a book on hot-beds and cold-frames by Prof. Massey, an authority on the subject. This book is of vital interest to every professional grower and florist, etc. in stamps will bring Prof. Massey's book in addition to the catalog.

SUNLIGHT DOUBLE GLASS SASH COMPANY, INC.
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Arthur Vandennes, Ft. Marion, Pa., writes: "I had lettuce under Sunlight Sash before most people were thinking about sowing it."

Toronto.

BUSINESS GOOD.

The weather conditions have been so very unfavorable for stock that in all lines and grades it has been found decidedly scarce. Business has been very good, and with the limited supply of stock it is at times very difficult to fill orders. The roses coming in, are generally of very fine quality, although not nearly plentiful enough to go around. Carnations are also scarce but of excellent quality. Chrysanthemums are about done for the season, although there are a number of the later varieties still coming in. They are as a rule not very satisfactory unless used up for quick sale. Mignonette, Roman hyacinths and Paper White narcissus are again to be had in quantities. The outlook for Christmas stock is very promising and with favorable weather there should be a very heavy cut in all lines. Christmas greens have been arriving in quantities. There is a great scarcity of bouquet greens for wreathing, and \$10.00 per case is being offered for it now. Holly is arriving in fine shape and some splendid mistletoe is seen.

The Connen Floral Co., of Hamilton, report business as very fine in their section, and they are looking up stock and extra help to handle the holiday rush.

Harry C. Martin, late of the Hennessey Co., has opened up a flower department at 2 King Street East.



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CONSTRUCTED
ESPECIALLY FOR

FLORISTS and GARDENERS.

AFTER conferring with some of the leading florists, we have produced a barrow, shown above which we believe will fill a long felt want, and call your special attention to the following features: Built to be used in the narrow aisles in greenhouses. Handle guards to protect the users knuckles. Angle iron legs and sockets for side boards. Our patented "Never Break" Wheels. We are in a position to ship promptly upon receipt of your order, which we solicit herewith at \$4.00 each, f. o. b. cars Toledo. Please send check with order. If not as represented money refunded.

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We can furnish you with **Iron Frame Houses** at reasonable prices; **Semi-Iron Frame Houses**, are very inexpensive, considering their quality, and our **Pipe Hangers, Shelf Brackets and Ventilating Machinery** are the last word in that line.

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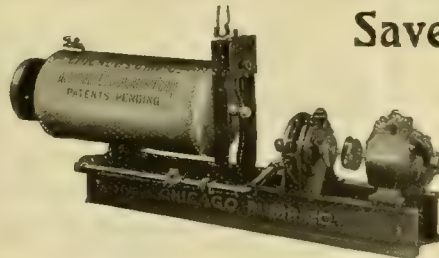
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Mrs. E. Walker, who for many years was in business in Hamilton, is now located in a new store on Avenue road, this city.
H. G. D.

TROY, N. Y.—Harvey Collins has purchased the Tenendaho greenhouses on North Main street and taken possession of the same.



CHRISTMAS PLANT BASKET.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, DECEMBER 17, 1910.

No. 1176

THE AMERICAN FLORIST

TWENTY SIXTH YEAR.

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meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass.,
March 27-April 1, 1911.

Uncle Ananias.

His words were magic and his heart was true.
And everywhere he wandered he was blessed.
Out of all ancient men my childhood knew
I choose him and I mark him for the best.
Of all authoritative liars, too,
I crown him loveliest.

How fondly I remember the delight
That always glorified him in the spring;
The joyous courage and the benedict
Profusion of his faith in everything!
He was a good old man, and it was right
That he should have his fling.

And often, underneath the apple-trees,
When we surprised him in the summer time,
With what superb magnificence and ease
He sinned enough to make the day sublime!
And if he liked us there about his knees,
Truly it was no crime.

All summer long we loved him for the same
Perennial inspiration of his lies;
And when the russet wealth of autumn came,
There flew but fairer visions to our eyes—
Multiple, tropical, winged with a feathery
flame,
Like birds of paradise.

So to the sheltered end of many a year
He charmed the seasons out with pageantry,
Wearing upon his forehead, with no fear,
The laurel of approved iniquity.
And every child who knew him, far or near,
Did love him faithfully.

Edwin Arlington Robinson.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Plant Baskets.

An important feature of the Christmas trade for the last decade has been the continual increase in the sale of potted plants, both blooming and decorative, and the many beautiful ways in which they have been made attractive to the customers by the florists. The use of baskets and hampers the last few years has greatly augmented the sale, and has added many fold to the attractiveness of these beautiful greenhouse products. Almost any form of basket is applicable to these arrangements, and the manufacturers and supply houses now have an immense assortment of shapes and sizes made of different materials, and in all the colors, from which to make a selection, and every retail florist should have a supply and make up various assortments for the Christmas trade.

The tendency for the present and of the past has been to fill the baskets as full as possible, and sometimes, in our opinion, far too many plants are arranged in the baskets, for it makes them a very expensive offering, and where fine specimens are used their graceful form and individuality is entirely lost. The customers, however, as a rule are partial to those arrangements which have the largest number and the greatest variety in them, and as they are the ones that pay the bills their wishes must be catered to and gratified. Nevertheless, it is well to arrange some more loosely and have some baskets with a handsome single plant in them, for there are sure to be all kinds to serve, and some buyers will prefer the simpler arrangements.

One thing that is necessary in making these baskets, especially those that contain a variety of plants, are nice small ferns. The pteris, adiantums, aspidiums, lastreas and polystichums are all fine for this kind of work, and the nephrolepis in small sizes, both the old Boston and the crested forms, are very useful and add a great deal to the baskets when finished. In the palms both Cocos Weddelliana and Phoenix Roebelenii in the smaller sizes are very fine plants to use in arranging baskets, their graceful leaves being very ef-

fective. The dracenas and pandanus are also much used, especially Dracena fragrans, D. terminalis, D. Massangeana, and the newer varieties are very effective with their red and variegated leaves. Pandanus Veitchii, as a center plant, adds a great deal to any arrangement. Crotons are much used for their brilliant reds and yellows. In the blooming plants nearly everything that the market supplies can be employed and azaleas, Begonia, Gloire de Lorraine, ericas, cyclamen, poinsettias, primulas, especially obconica, daphne, lily of the valley, Roman hyacinths, are all valuable plants for this purpose. In the fruit and berried plants Otaheite oranges, ardisias, aucubas, and Jerusalem cherries are splendid subjects for this work.

Great care should be taken in the arrangement of colors. There will, of course, be a great demand for the reds, and it is in these and in the shades of pink that the greatest oversight should be maintained. A good rule to follow is to never arrange two shades of pink or a pink and red in the same basket, but use white and white and green variegated plants where the bright colors are dominant, which will form a strong contrast. Simon Mardner azaleas, for instance, are beautiful plants for baskets, but of that peculiar shade of pink that does not blend or harmonize with other bright colors, and the same can be said of Gloire de Lorraine begonias, which should be very carefully placed in assortments. With these should be arranged plants of light variegated foliage and white or light blooming plants. In the use of the bright colored dracenas, care should be taken that they do not clash with the other colors used. There is ample opportunity in the making up of these baskets, for the designer to apply the best of his artistic ability. The same care should also be exercised in the selection and use of ribbons. In many cases this feature is much overdone, but there has been much improvement in regard to this in the last few years. There is no reason, and it is entirely out of place to make the plant or basket look like a doll in

a new silk gown, yet properly decorated the ribbons and bows are valuable additions to both. The proper selection and tying of these auxiliaries seems to be an inborn faculty, yet practice is a great factor, for we have always noticed the ladies who learn to make bows of ribbon in girlhood and later in life use these features so much for trimming and adorning their gowns, are usually much more proficient in making handsome knots than are the male portion of the human family. A handsome bow with short ends of the same color, or of one that harmonizes with the others, is generally all that is required, and if good taste is shown in the selection, and properly tied, it will prove a great and remunerative addition to this class of holiday stock.

The baskets which we illustrate, show what can be done along these lines with the different forms and shapes and the material at hand. The flat gathering basket filled with *Vancouveria hexandra*, the handsome green now being sold on the market as Mexican ivy, adorned with handsome branches of *ilex verticillata* (winter berries) is very simple and attractive. The basket containing the *Ardesia crenulata* is an example of the single specimens which are ornamented by the use of these receptacles to hold them. Poinsettias are much used in this class of work at this season, but they should be accompanied with some light white flowers and light airy greens. The *ericas*, lily of the valley and Roman hyacinths are splendid plants to arrange with these large Christmas plants and the light airy ferns add the necessary grace to the arrangements. The handle basket illustrated is a beautiful example of these plants. The antique brass box of poinsettias, *dracænas* and *nephrolepis* and the bark basket of *Gloire de Lorraine* begonias, *Primula obconica*, *crotons* and ferns are samples of more elaborate arrangements. The tall handle basket of poinsettias, *dracæna terminalis* and Boston ferns, while very simple, yet is a very rich Christmas gift.

Plant Salesman.

The salesman has a great opportunity to show his ability at Christmas time. It has often come to our mind that flowers, to a great extent, sell themselves, and the majority of the customers know what they want when they enter the store or see the floral beauties. But when it comes to handling plants, a different proposition confronts the salesman. We have seen men who could hardly wait upon customers in the flower line, yet when it came to showing off a plant, seemed to have reached their forte. They watched the customer to acquire the length of his pocketbook and also to discern what plant took his fancy. They immediately lifted the plant, always keeping the best side toward the buyer, and set it down in surroundings where it made the best showing by contrast and where it stood out by itself. A little knowledge of plant growing and the history and culture of each variety is a great asset at this time, and a few instructions as to the care and culture will greatly assist in making the sale.

PITTSBURG, PA.—The Allegheny Cemetery has been granted a building permit for the erection of a greenhouse to cost \$4,000.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Christmas Wreaths.

SEE SUPPLEMENT WITH THIS ISSUE.

There is always a call for handsome wreaths at the Christmas season, and with the wealth of material at the command of the florists at this time, very beautiful arrangements can be made of the various greens, as well as with the assortment of highly colored foliage that can be obtained. While the larger majority of sales will be of the cheaper grades, yet the progressive dealer will have samples of more elaborate and expensive arrangements for the inspection of the customer, which should occupy a prominent place in the store or office, where they will be sure to show to the best advantage and attract the attention



Box Trees in Miniature.

Eighteen Inches High.

of the buyers. These handsomer wreaths should be made of the best materials, the selected pieces of the holly, boxwood or other greens, and the arranging done in the most artistic manner. The common tendency is to adhere too closely to the form and to make the wreath too compact, but a loose light arrangement with a few sprays here and there extending beyond the mass looks much lighter and is more effective and handsome. Holly well-berried of course, one must have, Boxwood also makes a very beautiful wreath, and to the latter, in order to make more pronounced the Christmas festival, may be added some highly colored foliage, sprays of winter berries, *ilex verticillata*, or Christmas peppers. A handsome bow of holly red ribbon is also a very effective addition, and a loosely arranged bunch of velvety artificial poinsettias are sometimes used to great advantage.

Pine cones are very beautifully arranged in some of the wreaths with very telling effect. The wreath which we illustrate is a very handsome arrangement of boxwood with selected well-berried sprays of *ilex* and tied with a holly ribbon, making a very striking and beautiful piece of work for the Christmas season.

Box Trees in Miniature.

New and novel features are continually springing up in the arrangement of plants and greens for the holiday season and it is sometimes interesting to hear how they originate and what they are. The customer will often express an idea or drop a hint that may be used to great advantage and become quite remunerative. A few years ago we were in the back office arranging our Christmas greens and knowing there would be more or less call for balls made of box and bouquet green we were making them up to have them ready for the trade when they would be needed. To hold the ball of moss in place we had chosen an ash stick with the bark on and to hold it erect had placed it in a pot of sand. We were suddenly interrupted in our work by an exclamation from a customer who had appeared at the door,—one of those particular customers who will only talk to the proprietor and hearing our voice had advanced to the inner door. "What a pretty little box tree!" was the remark which interrupted our work. We tried to explain that we were not endeavoring to make trees grow in a few minutes but tree she would have it, and before she left had placed an order for four of the made-up trees for her Christmas dinner table. We immediately grasped the idea and made up samples which were placed in the office and had a good sale of these for the holiday season..

These small table ornaments which we illustrate are very easily and cheaply made. Take a good straight stick about one-half to three-quarters of an inch in diameter and 14 to 18 inches long, with the bark on it,—ash or chestnut makes the best, for they can be obtained of this length without having any large branches to remove,—and tie securely on the smaller end a bunch of wet moss. Cut the boxwood sprays into short lengths three or four inches with a sharp point and insert them into the ball of moss, making a globular tree similar in shape to the globe bay trees, but a miniature of this well-known decorative plant. To hold the tree erect, the best method, we have found, is to cut out of thin board, or heavy cardboard, two discs the size of the bottom and top of the pot. Make a hole in the center of the smaller one large enough to hold the pointed end of the stick, but not large enough for the stick to slip through, and a hole in the center of the other large enough to allow the stick to pass through it. These discs can then be pressed firmly into the pot and the stick with its boxwood can be inserted in the holes and firmly held erect. A nice bunch of green moss, if obtainable, on top of the upper disc will be a great addition and the pot should be enclosed in a pot cover if it is to be placed on the dining table. A handsome bow of ribbon of Christmas color can be tied on the bare stem for further decoration. This same idea can be carried out through the season, making the little balls of roses.

carnations and other flowers, and using fancy white china ware for the receptacles to hold them.

A Floral Rooster.

Among the many floral designs that were sent to the Cook County Court House, Chicago, on the occasion of the inauguration of the new county officers on December 5, the piece of work that attracted the most attention was a floral rooster made by Strail & Hahn, and was sent to the newly elected county treasurer by the Wm. L. O'Connell Booster club. Mr. O'Connell being the treasurer-elect. This design, which we illustrate, stood ten feet high when finished and was placed in the north corridor of the county building close to the treasurer's office and was admired by the thousands who visited the building that day.

The design was very handsomely made, every detail being as true to nature as was possible. The head was made of red immortelles with a comb of red ruscus, the bill being made of plaster of paris and the eyes were of brown glass about as large as a half dollar, and were very lifelike. The neck and hackles were of yellow chrysanthemums and the body of white chrysanthemums. The tail, which was shaped quite true to that of chanticler, was of red ruscus and grasses. The legs and spurs were wound with yellow cloth. The noble bird stood on a white birch log which was ten inches in diameter and this rested on a base that was four feet high and five feet square, made of ferns, yellow chrysanthemums, ruscus and stevia. Directly in front of his feet were two large showy bunches of red ruscus. It certainly was a very faithful reproduction of the proud barnyard fowl and it looked as it stood in the corridor that he was ready to proclaim his announcement to the multitude admiring him.

Evergreens.

Evergreens should be separated into various lengths; choose good bold sprays, as many an ugly wreath is the consequence of a bad selection. It is almost impossible to form a graceful wreath from small sprays—a fair length of stem should be chosen, that a firmness may be obtained, but thick and bare stems should be avoided, as they add greatly to the weight and make the garland or wreath stiff and unwieldy. Endeavor to place the leaves alternately and imitate as nearly as possible the way in which the leaves should fall naturally. By way of finish small sprigs of variegated shrubs, bunches of berries, etc., may be added. The berries should be placed at intervals and against the darker colored leaves for effect.

In making festoons for capitals of pillars a little taste should be exercised to make the wreaths assimilate as near as possible to the carving of foliage.

A. E. K.

Strung Holly.

Strung holly can be used most effectively and all non-usable berries can be put to good service. Thread a packing needle with the required length of twine and string the largest and finest holly berries upon it, taking care to pass the needle through the

exact center of the berry. These fallen holly berries can also be strung on wire and made into rings and slipped over the leaves and are most effective and pretty. Thick glue can be used where berries are to be massed in a cluster when they are difficult to fasten in any other manner. All kinds of holly are equally useful in floral decorations. The berries should be taken

The Little Things That Count.

Keep your temper during the holidays. Nothing is to be gained by letting it get away from you, and the man who is able to control it during the rush is sure to keep the wheels well oiled.

Formulate a system now, whereby you will know whether an order is de-



A DEMOCRATIC ROOSTER IN FLOWERS AT CHICAGO.

off each sprig in making wreaths and replaced where they are more likely to be most effective.

Ivy is useful for wreaths—also make a good relief—and the somber yew and arbor vitae; the Irish ivy is best; laurel is also good or the single leaves placed around a text border for a neat, effective edge; also good are boxwood, fir and laurel.

A. E. K.

livered as the customer wants and at the time and place promised.

Don't let a customer get away from you at this time of the year. They have come in with the intention of buying and it's up to you whether they make a purchase or not.

Mistakes are bound to happen. Watch them carefully and note the cause, so as to prevent their recurrence.

Always have attractive samples of all the stock, where they can be easily observed. Customers, at this season, have no time to wander over the place hunting for what they want.

Be sure and keep all the plants in the store and office well watered and in presentable condition; a wilted plant in poor shape is an unsalable article and a poor advertisement.

Wrap the plants up warm enough to be sure of reaching their destination safely. Old newspapers are cheap, and a few extra thicknesses are nothing compared to the cost of the plant and the disappointment of the customer.

Don't send out any old or pickled stock. Every dealer is sending plants and flowers to new people, at this season, and now is the time to attract a new customer by the quality of the stock and the manner of handling the business.

Under no circumstances allow the customers to get the idea that you are too busy to serve them. They demand courteous treatment at this season, as well as at any other.

Keep the greens where they will be fresh and clean; a few samples in the office hanging or placed where they will get dry are enough, and these before they get too dry should be replaced with fresher ones.

Funeral work is sure to come at this season. Don't let this ruffle you in your holiday rush. It is a part of the business, and remember people have no choice in their time of passing away. So do this work to the best of your ability.

Be sure and have all the pots washed and an assortment of pot covers and baskets for ornamentation. Many people object to bare pots.

Keep the offices and the houses clean. Customers, ladies especially, do not like to wade through a lot of dirt or litter that is thrown upon the floor during the work. Keep the office swept.

Plants of each kind blocked together save time, and prevent the walking back and forth, for a fussy customer to select the one she thinks is the best.

Watch the waste, the careless handling of both plants and flowers at this season will eat into the profits unless carefully looked after.

Houses for Carnations and Bedding Plants.

ED. AMERICAN FLORIST:

We desire to construct two greenhouses, one for carnations and one for general bedding plants, each house to be 300 feet long. Please answer through your columns what width is best and number of beds.

Washington. A. S. N. C.

The width for the houses would be governed to some extent by the amount of space desired. Ordinarily it should not be less than 28 feet, and not more than 42 feet, although there would be no particular objection to wider houses. Use four beds in 28-foot houses and proportionately more for wider ones.

L. R. T.

SYRACUSE, N. Y.—W. E. Day, who for the last five years has been manager for Quinlan & Co., will open a modern flower shop in the Onondaga hotel.

JOLIET, ILL.—Albert C. Rott had a beautiful Thanksgiving window display. A prominent feature was a handsomely arranged dining table of yellow chrysanthemums.

The First Quarter.

The end of November with Thanksgiving day marks the turn of the first quarter of the florists' year for the year to the florist practically ends in July instead of December and begins when the early frosts cut off the out-door flowers in the fall. While Thanksgiving day cannot be classed with the greater days, Christmas, Easter and Decoration Day, yet it is the end of the chrysanthemum season, which makes a turning point in the management of the houses. The cultural work in the benched crops, that is the roses, carnations and violets, should have now reached a stage where they do not require the constant labor that has been necessary during the fall. The beds should all be free from weeds, the plants tied up and enclosed within the wires, and the growers should now have an opportunity to give the other crops the necessary attention and to really give the stock an overhauling and clean up the houses. The Christmas plants will demand the first attention. These should be given more space, if, as usual, they are unnecessarily crowded together and should be cleaned, tied into shape, and put in salable condition. The chrysanthemum stock plants should be selected, dug and placed in their winter position and the beds or benches cleaned out for the next crop. It is a good

time now to look over the sales and note what varieties have sold well and what ones have not been readily taken by the buyers. And in selecting the stock plants be sure and have stock enough of the good sellers. It really doesn't make so much difference whether a variety appeals directly to the grower or not but remember that he is working for the return which the greenhouse will give and what the trade wants is what will bring the best returns. We well remember hearing one of the most successful growers of the country, when another grower had called a certain flower a cabbage, say: "Well, if the trade wants cabbages, that is what I will grow." So always keep in mind when planning for another year just what the trade demands. The chrysanthemum stock plants should never be left standing around under the benches, as is so often seen, but should be benched up closely together, care being taken to keep each variety by itself, and properly labeled. It is folly to think these plants can be thrown around and left to dry out and obtain good strong, healthy cuttings from stock that is treated in this manner. If in a part of the country where the winter is not too severe, the ideal place for this stock is in a cold frame that can be made tight enough to exclude all frost and the young plants obtained in the



CHRISTMAS BASKET BY THE FLEISCHMANN CO., CHICAGO.

Poinsettias, Dracena Terminalis and Nephrolepis Bostoniensis.



CHRISTMAS BOX BY THE FLEISCHMANN CO., CHICAGO.

Poinsettias, *Dracena Terminalis*, *Nephrolepis Whitmani* and *Bostoniensis*.

spring from stock that can be wintered in this way will be far better than that from plants which have been grown in a greenhouse. The chrysanthemum is naturally of a herbaceous character but the modern varieties will not stand any freezing temperature and the cold frame method comes the nearer to being ideal than any other. The crops that are to follow the chrysanthemums should rapidly be gotten into the beds or benches. The top soil should be first removed and new soil added. In our experience we have never been able to obtain first class results when a succeeding crop was planted in the same soil in which the chrysanthemums were grown, whether the chrysanthemum exhausts the soil, or leaves something behind, that is deterrent to further culture, we have not yet made up our mind, but it is far better if good results are desired to throw out the soil that the chrysanthemums have been growing in and replenish with fresh soil. If the benches are to be used for pot plants remove all the soil and spread an inch of sifted ashes upon the bottoms, which is far preferable to old soil left in the bench which, as soon as the pots are stood upon it, will begin to grow sour.

The propagating bench will now demand attention and how often at this time have we seen the bench filled with cuttings that have been rooted, for more than a month standing still, no, going back, the wood hardening, and to expect strong, healthy plants from such cuttings is foolish. They should be potted at once, if worthy, and if not, thrown away. Such stock will never make satisfactory plants and after the winter's care will prove to be worthless for the spring's sales. Pot up all that are of use and clean out the old sand, whitewash the bottoms

and supports and fill with good fresh sand and immediately start the propagation of the next season's stock. A great many growers think it unnecessary to empty and refill the propagating bench every time a new batch of cuttings is put in, but after sand has been in the bench for four weeks and kept saturated with water, some of the cuttings having decayed in the meantime, a condition for the rapid production of fungus now exists and to immediately place therein another lot of soft-wooded cuttings is tempting fate and, some would say, suicidal. The prominent growers have made thorough tests of both ways and they all are now replacing the sand every time that the cuttings are taken out. The propagating bench should never be idle from now until spring. It is the best time of the year to take the carnation cuttings, better tips are obtainable and they root more readily now than at any other time. The rose cuttings can now be started so that by January the larger part of this propagation will be done or on the way and all the slower growing plants and those of which large quantities are wanted should be propagated as rapidly as possible.

The Easter lilies, if they are buried outside, should now be brought into the houses and placed in the cooler end, where the root action will be accelerated, for good roots are an absolute necessity with all bulb stock, and here they can remain until after the holiday sales have made room in the warmer houses when they should be brought into more heat in order to have them in the best condition for the Easter sales. The Easter azaleas should now be looked over if they are in one of the houses, to see that they are not advancing too rapidly. Of course, if they are in a cold pit they will be all right

until the end of the year. Hydrangeas or any other stock that have been under the benches should now be placed upon the tables and be given the benefit of the ventilation and necessary care. It is yet too early to bring up the Dutch bulbs except *Ducvon Thol* tulips or very early hyacinths but paper white narcissus, Roman hyacinths and French trumpets are easily forced and can be brought forward now very easily and plans to have a regular cut should be formulated.

Effective Plant Arrangements.

The flower shows have come and gone, the excitement is all over, but before we settle down to preparations for the coming holiday trade, perhaps just a look backward may be desirable.

The trade press and the daily newspapers have descanted upon all the beauties of all the shows, and upon some beauties which upon examination did not seem so beautiful after all; so, possibly, a few good natured raps at some things which were bad, or at least no where near so good as they should have been, will be in order. One can say frankly, and with a clear conscience, that the grouping of chrysanthemum plants for effect has greatly improved and now leaves little to be criticised, but oh, you groups of decorative and foliage plants arranged for effect! They are mostly just as bad as can be, just as bad as they always have been, and bad just in the same way they always have been. One wonders why the trade papers make new cuts of them every year. They could just as well take the cut of Smith's exhibit of last year, or Brown's of 1892 and put Robinson's name on it and who could deny that it was an ac-

curate representation of this year's prize winning arrangement. They all look alike. They are without form and void. If in the center of the hall they are a cross between an inverted ice cream cone with the point bitten off, and an Esquimaux igloo. If at the side of the hall they are the same thing, split in two.

Occasionally there are bright and shining exceptions, things which are looked back longingly to, for years, but they are few. The general plan is to jam just as many plants, of just as many different forms and colors into as compact and symmetrical a mass as possible. If any plant by chance gets so placed that it can be seen as a whole, it is at once shoved back into the mass and two or three more jammed in against it. The man who is bossing this butchery stands back, and if he can see a hole as big as one's fist in the dense mass of crowded foliage, it's "Bill, bring me another of them small palms," and in it goes. When he has succeeded to the best of his ability in making it as smooth and characterless and uninteresting—after he has spoiled the individual beauty of each individual plant—on goes the card, and the judges come around and give it the blue ribbon, simply because the other groups are arranged just as badly and the one in question has a few more or better plants. Arranged for effect, to be sure, but what kind of an effect?

Take the most beautiful of decorative subjects, *Cibotium*. Anyone should surely see that it must stand up and out from the group where one can get the light through it, and all the filmy grace of its delicate fronds be revealed; and yet, how often we see it squatted down over and among a lot of miscellaneous plants, like an old dominic hen trying to brood too many chickens—"and half of 'em ducks, too, bedad."

The arrangement of orchid plants is usually very good or very bad, although some of the good ones are a little tree-trunky—the artificialness is too apparent. How often, however, do we see them jumbled into a mixed-up crowded mass! Now if there is one plant in this world that will not bear crowding or massing it is the orchid. It is the one plant the public wants to see, and to see closely. If one has not the time or the ability to develop a tropical jungle to hang them in, well and good; put them on a bench, but spread them out—separate them and cover the space between with moss or ferns or any other unobtrusive material.

All this brings us down to the meat in the coconut. Why can not we growers understand that the arrangement of plants is not our trade—unless we have studied it long and faithfully? We have mastered that difficult art, the growing of beautiful plants and the production of beautiful flowers, by a lifetime of study. Why can we not learn that the other art, the effective and beautiful arrangement of plants and flowers, is an equally difficult one and only to be mastered by long years of study? Why can we not frankly own up, and call in the man who knows, to help us and advise us as to what the arrangement shall be?

When we can do this, when the arrangement is as perfect in its way as the plants are in theirs, then will the cry of monotony in the shows cease,

then will there be more dollars going into the box office, and then, also, more dollars going into our own private strong boxes.

W. N. RUDD.

Neglected Spring Bedding Plants.

Spring is the season of the best beloved, if not of the fairest flowers; after winter's long, almost colorless reign, it is a joy indeed to see flaming tulips and crocuses, rainbow-tinted hyacinths, and golden daffodils decking the garden. No wonder that the vivid bulbous flowers are chiefly popular, yet it is a pity that better use is not made of the countless lovely spring-blossomed perennials for bedding.

Experiments were made last autumn with various herbaceous plants as bedding subjects, with wonderful success; they were put out in October where required to bloom in March, April, and May, and, after giving their harvest during those months, were removed to give place to the more fragile beauties of summer. Critics prophesied that good flowering could not be expected from October moved plants, also that the roots would suffer by being lifted

to receive them at once. *Geum Hel-dreichi* is a glorious subject, beginning in April in sunny gardens. A bed of this, planted alternately with *narcissus poeticus*, and widely edged round by *Myosotis alpestris* *Victoria*, will give a copper-orange, white, and blue mass that will be regretfully remembered during summer. Another orange-scarlet *avens* that will blossom early is *Geum chilense* *miniatum*.

A bed of the bleeding heart flower is beautiful indeed; the clumps can be removed to a semi-shady bit of reserve ground afterwards, and bedded out once more next winter. If desired, the small reddish-crimson *Dicentra eximia* can be used as a border to *Dicentra spectabilis*, or double *arabis* combines well with the latter. For a perfectly harmonious edging plant nothing can rival *Aubrietia Leitchlini*. Double red daisies tone well with the pinks if preferred. A good display of *auriculas* is always admired, especially in a front garden, and experience shows that they can be lifted without injury. For a tall centre mass the common purple *honesty* is suitable, while the latter should be tried in a



CHRISTMAS BASKET BY E. WIENHOEBER CO., CHICAGO.

Mexican Ivy and Winterberries.

in May; both predictions proved wrong. The perennials were rather more than a year old when used, and in the rich deep soil given them they produced sheaves of blossom. This autumn they are fine clumps, and no doubt will excel their former triumphs next spring.

There is a secret about removing plants of this size and kind, according to a writer in *The Gardeners' Magazine*. It is to water them the day before, and give afterwards a further soaking with weak liquid manure or soot water. If the spade cuts them out next morning, with a square of solid soil all round the roots, there will not be the slightest flagging. Needless to say, the holes must be dug ready

semi-shady bed by itself all but for a belt of *Alyssum saxatile*.

Uncommon but charming are the fumitories, *Corydalis alba*, and *Corydalis lutea*. No gardener would regret giving these a trial, perhaps around a centre mass of fine columbines. The white and yellow will tone with all the aquilegia colors, and, although the plants will begin in April, they will be still fair in June. If the columbines are replaced by *heliotrope* the *corydalis* will continue as a floral edging until September. The old-fashioned double yellow rocket, *Barbarea vulgaris* *plena*, commences also in April, and the fragrant rich gold blooms arouse much interest, so completely has the plant



CHRISTMAS BASKET BY S. MUIR, CHICAGO.

Croton, Begonia Gloire de Lorraine, Primula Obconica, Whitmani and Other Ferns.

died out of popularity. It has an exquisite effect if given a surrounding belt of the pasque flower. *Anemone pulsatilla*, another April bloomer. *Aubrietia deltoidea Columnæ* is an attractive lilac-mauve edging subject for this bed, or, if the pasque flower is not used, all the surrounding might well be of *Alyssum saxatile citrinum*, the lemon of which shows up the rich gold of the rocket. Then there is bugle, one of the familiar woodland spring flowers. *Ajuga osmafera* has evergreen foliage, a spreading habit, and such a hardy nature that it can do with light or heavy soil, sunshine or shadow, but in shade it grows tall. Many gardeners are confused between this plant and *Ajuga reptans*, but the latter creeps over the soil and does not begin until May to give the blue blossoms, which unlike those of the other, are flushed with rose. The variegated form is of considerable value also, but it reaches a foot high instead of the six inches of the green-leaved type. The mass of deep blue that bugles offer is of real value in the spring lawn beds.

Alyssum Benthami is little known. The blossom is white, and has a much softer effect than that of the arabis, the height varying from nine to twelve inches. *Achillea millefolium Cerise Queen*, cherry-red, and often two feet high, is one of the perennials that may be used as a spring bedder, then removed to a sunny border to continue

in bloom all the summer and autumn. *Nepeta italica* is a tall purple flower that attracts notice because it supplies a needed note of color in the April garden. Dwarf yellow wallflowers could accompany this, and the edge might be of *Lamium maculatum*, also purple, whose white-striped dwarf foliage has a neat appearance.

Dahlia Storage.

For 20 years I have grown the dahlia, and if everyone has had as much trouble and tried as many different receipts for keeping them through the winter as I, they have my sympathy. From my first beginning until three years ago, it was always, every spring, a race between the ash barrel and the garden, which would have the best collection. I tried packing in garden soil, sawdust, ashes ground cork—in fact, according to a correspondent of the *Dahlia News*, most anything that anyone would tell me. I was perfectly willing to swallow any and all prescriptions, thinking that perhaps I would be able to find one that would enable me to keep a few of the good ones. Did you ever notice how you lose the good ones, and those we are not fussy about come through their rest quite refreshed?

Three years ago I began on Calvin Titus' rule for keeping, and that it was a complete success is putting it

mildly. Last season, in fact, ever since I have tried it, I have lost less than two per cent, which I call very good. There is a furnace in the cellar, and I pile the roots from three to four feet high, within three feet of it, making two piles of my seventeen hundred roots; cover them over with newspapers, a dozen or so thick, tuck them well in all around the bottom, keeping out all the air possible; would say that I have a dirt bottom in my cellar, so could not say how it would work on cement. If I think that towards spring they are drying any, I sprinkle the papers with a fine sprayer. They will absorb the moisture and come out plump and generally well started. Now, perhaps in some other cellar this would not work as well, but it has been elegant for me. Many winters, before trying this, I have lost as high as fifty per cent of my roots. Anyone who is successfully keeping the roots now, will not wish to try anything new, but if you are having trouble just try this for one season and I think you will exclaim, as I have many times, "Hurrah for Cal. Titus of Marblehead!"

NAPERVILLE, ILL.—Philip Strubler, one of the oldest settlers, a notable gardener, and sheriff of Du Page county during the county seat trouble, died at his home in this city December 10 at the age of 78 years.

THE CARNATION.

W. N. RUDD's new crimson seedling carnation, exhibited as No. 2807A at the Chicago show November 11, and awarded the sweepstakes prize at that exhibition, has been named Mrs. A. E. McCrea.

Propagation and Culture.

The march of the seasons once more brings about the time for the propagation of carnations for another season, for where there is a large number of plants required, it becomes necessary to begin propagating early in the season. The latter part of November is a good time to begin this operation, for prior to that period it is hard to get cuttings that are large enough for the purpose, and unless it may be in the case of some new variety, one does not care to take pips at this season for that means the loss of blooming growths. A thorough cleaning will have been given to the propagating benches before filling them with sand fresh from the pit, and a good coat of whitewash on the framework of the benches will help to prevent fungus. Fresh sand should be used for each batch of cuttings, thus avoiding in a great measure the danger of damping off in the cutting bed, for after the sand has been kept constantly wet for three weeks there is always some risk in using it over again, and the cost and labor of refilling is fully repaid in the better results gained by this practice. Everyone has not the same facilities for propagating but where the choice may be made, the north propagating house is decidedly the best, from the fact that a more even temperature and atmosphere may be maintained in such a house than in an even span house, or on a south bench, and in the north house there is no need of shading until toward spring.

Given an even temperature of 50 to 55 degrees, and sufficient water to prevent wilting at any time, and the percentage of loss ought to be very small among the carnation cuttings at this season. This is taking for granted that the cuttings have been made from soft young shoots broken off the blooming wood, and so well protected from the sun and wind that they are perfectly fresh when put in the sand. When the roots are about half an inch long the cuttings are ready for potting, and from the fact that carnation roots are fine it is generally understood that they should be potted firmly, it being an old-fashioned rule, but still a good one, that a plant with fine hair-like roots grows best when potted hard, while a coarse rooted species will make better progress in a more open compost. If the weather is bright at the time the cuttings are potted off, they should be protected from the sun for a few days, until the roots have a chance to take hold of the soil, but shading should only be continued for this short period, after which the young plants need all the light they can get. Some growers avoid the labor of potting by picking out the rooted cuttings into shallow benches of soil at once, letting the young stock remain in this soil until the time of planting in the spring, but others hold to the opinion that the

potted plant retains its ball of roots better at the future planting than does the plant that has been dibbled out in a bench. But as the consistency of the soil has much to do with this question it is a wise plan to try both methods, and then to note results.

There is always something to be done among the flowering stock at this time of year, and after the daily cut is finished, there is weeding, cultivating, training or tucking-in, disbudding, and other matters to be attended to, so that the average grower does not find time hanging on his hands very heavily. Ventilation requires more attention from the fact that the weather changes so rapidly, and during the short days a house cools off very rapidly if the sun be obscured for but a very short time. A temperature of 65 degrees on a bright day gives a good atmosphere to open flowers and keeps the plants in a good growing condi-

parts of benches will dry out quite rapidly, and this necessitates frequent examinations of the soil, in order to water intelligently, for it is worse than useless to water a wet bench, but a dry one should be watered thoroughly.

W. H. TAPLIN.

Carnation in the South.

Attention should now be paid to maintaining a steady night temperature in the houses. A temperature that can be maintained in the coldest weather with fire heat and during the warmer spells with plenty of air in the houses is the proper one to maintain. This will vary according to locality from 50° to 60°. Those plants which have had the higher temperature have been giving fair flowers but the ones that so far have had no fire heat are making a great showing of buds that will just be right for the



CHRISTMAS BASKET BY E. WIENHOEBER CO., CHICAGO.

Poinsettias, Erica Melanthera, Dracena Terminalis and Adiantum Farleyense.

tion, but such a temperature on a dark day would tend to making both flowers and growth too soft, a condition that sooner or later would create trouble with both plants and customers.

As has been frequently remarked before, there are great differences in soils, and consequently more feeding is needed in some places than in others, but provided the compost has been properly prepared, there is seldom any real need for liquid manure or special fertilizers until after January 1st, for excessive feeding is very likely to result in sleepy flowers. With the increased fire heat that is required on these frosty nights, some benches or

holidays. As even a temperature from now on as can be maintained will lessen the damage from split calyces. As the plants keep growing keep adding wires so that they can be tied up in good shape before getting sprawly. It is always well to keep a little ahead in this respect. At least once every week the plants should be gone over and put into their proper spaces. Disbudding must also be practiced regularly. This should be done as soon as the buds are big enough to handle and not when the flower is about ready to open. All short and deformed shoots should also be removed and let new growths come on. When watering



CHRISTMAS BASKET BY S. MUIR, CHICAGO.

Crotons, Primula Obconica Jerusalem Cherry and Nephrolepis Whitmani.

give a good soaking and then wait until the beds have dried out well before giving any more. A weekly syringing for red spider may still be necessary. This is best done with a nozzle throwing a fine spray. Quality of spray rather than quantity is what counts in this operation. In watering the beds it is not injurious to wet the foliage on clear days. The pressure used in watering is never strong enough to wash the "bloom" from the foliage. Only be sure the plants are dry before night. Outside of stem rot fungus disease of any kind is rare. It is nearly always possible to ventilate freely day and night so that these diseases cannot gain a footing. I would not advise the use of liquid manure unless very rarely until after the turn of the year, when the short days are over. Better to keep the roots working for a living until then.

WM. LEAR.

Dahlia for Mail Trade.

ED. AMERICAN FLORIST:

When is the proper time and what is the best way to separate dahlias for the mail trade? I. H.

Dividing field roots of dahlias, care should be taken that each division has at least one eye, otherwise the roots will not grow. The eyes are not on the tubers but on the crowns which the tubers are attached to. It is best to start the eyes by placing the roots in a warm, moist place a short time before dividing. If the tubers are too large and heavy a portion of it can be cut away. W. S.

WITH THE GROWERS

Peter Reinberg, Chicago.

It has often been remarked by people of European birth visiting this country, that Americans take pleasure in pointing out and extolling the immensity of the different objects which they show to their guests, and, certain it is, we all like to see the biggest, and look with great interest upon every thing that is renowned as being the largest of its kind. We journey to Niagara Falls to see the largest cataract in the country, the Mammoth cave and the Grand Canyon of Arizona and are enraptured with their vastness. So it was with a great deal of pleasure that we visited the greenhouses of Peter Reinberg, on the northern side of Chicago, which is probably the largest greenhouse establishment in this country, or, at least, the largest establishment on one piece of ground devoted entirely to the culture of roses. Here we find 112 greenhouses, arranged in blocks, ranging from 250 to 265 feet in length all devoted to the culture of roses for commercial purposes, and as we pass through house after house of splendid roses of the different varieties we cannot help having the same feeling that has come over us, when viewing other objects of immense size. There were 34 houses, 265 feet long, planted to American Beauty roses; 19 houses, 250 feet long, to Killarneys; 15 houses, 255 feet long, to White Killarney; 14 houses, 255 feet long, to Richmond, 19 houses containing Brides,

Sunrise, Perle des Jardin, Mrs. Marshall Field, My Maryland, Uncle John and Ivory and seven houses of asparagus.

The American Beauties, of which there are more grown than any other variety, are in superb condition. Long, strong stems, reaching nearly to the glass in these tall houses, with handsome luxuriant foliage, bearing flowers of extra large size, and of as brilliant color as it is often our privilege to see. A look at the cut, in the storage room, showed us that the quality is of the best, and the growth and thriftiness are certainly a sight worth going a long distance to view. The crop is in elegant condition for the holiday season, and a splendid cut for the next few days is assured.

The Richmond roses which, of course, are bound to be in demand at this season, being the Christmas rose, next attracted our attention, and here we found them in splendid shape, with a great crop coming in. The plants are in fine healthy condition, with large beautifully pointed buds of the darkest crimson, borne on long stiff stems, with especially fine foliage. The illustrations do not do these houses justice, owing to the failure of photography to distinctly portray the flowers of the colors of American Beauty or Richmond, but we can assure the reader that it was an exceedingly beautiful picture, to see these houses so full of fine blooms and buds.

Killarney was in splendid condition also, and the block of houses devoted to this popular variety were certainly a grand sight, and the White Killarneys, as seen in the illustration, were a perfect picture with their pro-

fusion of bloom. The Sunrise and Perle des Jardin were in the prime of health, as in fact were all the varieties grown. Mrs. Marshall Field here, in its own home, was in as fine condition as we have ever seen it growing.

The carnations which are grown by this grower in great quantities are in the new range of 19 houses located some four or five miles away from this

feet, planned by the Lord & Burnham Co. of New York, which include everything that modern engineering science has contributed to greenhouse building. One of these houses is planted to carnations, and all the principal commercial varieties are seen in the 16,000 plants growing in splendid condition which this house contains. The house of chrysanthemums was a beautiful

water is obtained from a driven well which furnishes an inexhaustible supply. A gasoline engine pumps the water into a 10,000-gallon tank, where, with the air which is pumped in at the same time, a pressure of seventy-five pounds is maintained, which gives the necessary force for syringing and other watering. Another house of the same size is projected and will be erected next year which it is intended to devote to roses.

Cut Flower Folding Boxes.

The folding cut flower, design and shipping boxes have become very popular with the florists and a necessary auxiliary to their business, and there has lately come to our notice a very superior grade manufactured by the Climax Manufacturing Co., of Castorland, N. Y. The boxes are made of very heavy stock which is a wood pulp board, and no chip or waste stock is used in its manufacture, and by working in close connection with their mills this company is able to secure at all times a very uniform and satisfactory quality of board. The "Favorite" cut flower design and pillow boxes are all full telescope and are made of heavy manilla board in all the popular sizes on die cutting presses, the style of which does not allow the corners to unhook or the hooks to interfere with one another in putting on the lids. This firm is also manufacturing a very fine grade of white patent coated board in the cut flowers and violet sizes and also a deep rich shade of green board in the cut flower sizes which are of an equally fine grade of stock and very attractive. The covers in these materials being of the lid formation, 2½ inches deep. This company is fully equipped for the printing of the dealers' names, which is gratuitously done on good sized orders, and for a nominal fee in small quantities. A large assortment of sizes is always in stock and prompt shipment is the aim of this concern.

JAMESTOWN, N. D.—A. L. Woodbury has sold his interest in the Wheeler Floral Co. to E. A. Williams and the latter has assumed his new duties with Mr. Wheeler. Another new greenhouse is in course of construction.



AMERICAN BEAUTY ROSES AT PETER REINBERG'S CHICAGO.

large plant but the propagation is done here and the thousands of cuttings are now being placed in the sand, an example of the patient and care-taking work which is so admirably performed by Foreman Collins and his efficient force. Everything that we saw was in splendid condition and betokened the painstaking effort that had been expended and the splendid culture which everything had received.

The immense cut from the houses is shipped daily to the store at 35 Randolph street where it is taken in charge by T. Matchen and his able corps of assistants and again carefully packed and shipped to their many customers over the country whose continued trade is a testimonial of the quality of stock and the manner in which it is handled.

In leaving this great plant we could but turn around, and, seeing the smoke pouring out of the many chimneys, the thought came to our mind, that we really had been inspecting what has so often been aptly termed a "rose factory."

Mark Aitken, Springfield, Mass.

One of the largest and most up-to-date greenhouse establishments in Western Massachusetts is the newly erected plant of Mark Aitken of Springfield, Mass. Eighteen years ago, with his father, Mr. Aitken came to Springfield and started in the florist business, having purchased the old Hersch greenhouse on Osgood street, and by diligent work and the handling of a high grade of flowers his popularity with his trade has steadily increased, until he has far outgrown his quarters. About a year ago he purchased a farm in Agawam of twenty-two acres which he has devoted entirely to the florist business, and this year he has erected thereon four new greenhouses, each 30 by 300

sight, the majority of which are grown to a single flower and promise some extra grade blooms. A large quantity of lilies and Dutch bulbs are grown to be forced in this house when the chrysanthemums are cut. The violet house is in fine shape, with its 10,000 double and 2,000 single violet plants all beginning to produce their beautiful flowers. The fourth house is devoted to palms, ferns and other decorative stock and is filled with very fine plants, both of saleable sizes and for decorative work. A nice lot of azaleas for the holiday and winter sales were looking exceptionally fine.

Two large steam boilers have been installed to furnish the heat necessary for such a range of glass, and the



WHITE KILLARNEY ROSES AT PETER REINBERG'S CHICAGO.

T. Matchen, Store Manager in the aisle.

St. Louis.**GOOD PROSPECT FOR PLANTSMEN.**

The weather has turned warmer with bright sunshine and should these conditions remain with us another week a fair supply of stock can be expected. Violets, owing to the bright days, have already increased in supply. The retailers are in many instances encouraging their customers to purchase

nual event that attracts much attention. In addition to the banquet hall decorations of palms, ferns and foliage plants, there was a magnificent table decoration of American Beauty and tea roses and other flowers.

A notable feature of the market at present is the splendid stock of American Beauty roses that are being handled by A. Gude & Bro. In addition, these people have about everything else

At his new store on P street, John Robertson reports constantly increasing business.

Alex. B. Garden is sending in the finest Killarney roses seen in the market.

A. F. F.

Los Angeles, Calif.**FLORISTS' CLUB MEETING.**

There was a very good attendance at the first meeting of the season of the Florists' Club held November 28 at 107 North Main street. Promptly at eight o'clock Dr. Howton called the meeting to order. J. Dietrich gave particulars of several halls suitable for the meetings of the club but for the present it was agreed to remain in the same quarters. J. Reeves spoke of the necessity of members keeping in good standing, and while not decrying the social side of the club, he insisted that the real aims of the society should be educational and for the benefit of the trade generally. A discussion took place respecting the order given by the park department for bulbs; there was considerable criticism on the action of the board in sending east for bids and not inviting any from local seedsmen. No action, however, was taken as it was the feeling of the club generally that an oversight on the part of a minor employee was the cause of the local trade being neglected. Theodore Payne, C. Winsel, J. Reeves and Herbert Goudge all spoke in favor of holding exhibitions in connection with the club and also of admitting amateur growers to membership, thus broadening the scope and usefulness of the society.

Sundry other business matters being disposed of, Doctor Howton gave a most interesting talk on the botanical features of interest noted in his recent Mexican trip. The doctor was particularly impressed with the beautiful appearance of the antigonon hanging from the trees which he described as most lovely. Several of the aroids noted were also remarkable, as were the many tropical fruits encountered. Plumerias 30 feet high and fine Cocos oleracea were also noted by him as being very striking, while his adventures in search of botanical curiosities and his encounters with various animals and the natives were given in his own inimitable style and caused great amusement. Hearty applause greeted him at the close of his excel-



HOUSE OF RICHMOND ROSES AT PETER REINBERG'S CHICAGO.

plants rather than high-priced cut flowers.

NOTES.

The Florists' Club met December 8, 25 members being present. John Houlshan, Jules Bourdet and John Held made application for membership and Otto Sander was elected. R. H. Smith and — Grossart made application for the Shaw Garden scholarships, which are at the club's disposal.

Otto Sander opened his Olive street store December 10 with one of the most artistic window displays ever seen in the downtown district.

The regular meeting of the retailers' association was held December 12. The credit system, and its drawbacks, was discussed.

The Foster Floral Co. is now the Paris Floral Co., at Fifth and Olive streets.

A. McPherson, Litchfield, Ill., will have two houses of late white chrysanthemums for the holidays.

Hugo Gross is now bringing in some very fancy violets. W. F.

that will be needed for Christmas. Their gardenias are superb and their great variety of all other stocks put them in the front rank among the florists of this country.

Z. D. Blackistone on December 10 executed a large amount of work for the funeral of Mrs. Dr. Owsley, late of Greenfield, Va. There was a casket cover of orchids, lily of the valley and violets. In addition there were many other fine designs in which over 100 American Beauty roses and other flowers were used.

J. R. Freeman, who has not been in the best of health of late, is now, we are glad to state, much improved, and makes frequent visits to his store.

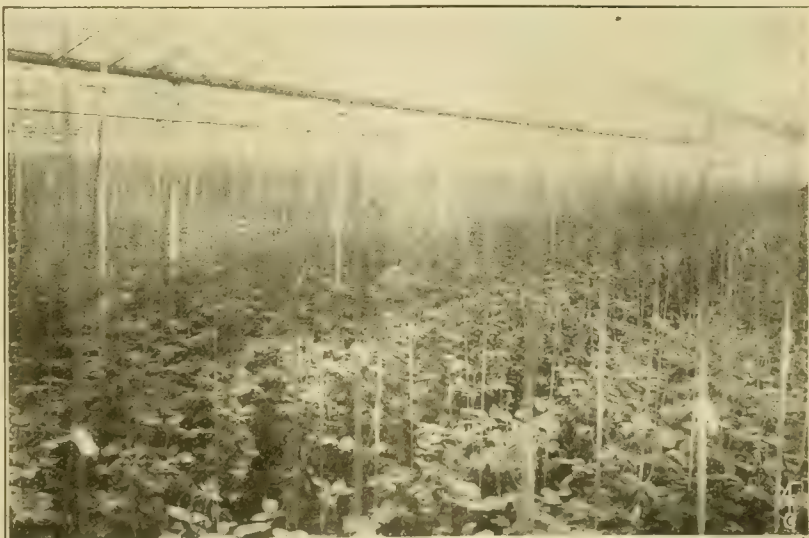
Geo. H. Cooke has been very busy of late. He made a flying trip to Philadelphia on December 10 and secured a lot of fine plants for Christmas.

Washington.**SHORT SUPPLY.**

It is ten years since the "oldest inhabitant" has seen so much snow and cold weather at this season. There has been several heavy falls of snow with stiff freezing at nights. As a consequence there is a decided shortage in the visible supply of stock. Some stock in the way of cut flowers is arriving from Philadelphia, but much of it shows evidence of being shop-worn. The price of carnations has taken a jump to from 5 to 8 cents, wholesale, and at that many of them are very poor. Any grower who can ship fresh carnations to this city will get good value. There is talk of a shortage for Christmas, but that is what they always say.

NOTES.

J. H. Small & Sons had the decoration for the dinner of the Gridiron Club at the New Willard Hotel on the night of December 10. This is an an-



KILLARNEY ROSES AT PETER REINBERG'S CHICAGO

lent extempore lecture and a most enjoyable evening was spent by all.

NOTES.

Charles Brazee of Wilmington had the misfortune to injure himself while handling a case of bulbs recently, but the injury fortunately proved slight and Mr. Brazee is now about his work again.

The first azaleas appeared in the retail stores December 1, M. Goldenson showing some fine Simon Mardner from the El Reah Nurseries, Hollywood. H. R. R.

Pittsburg.

The demand for all flowers far exceeds the supply at present, in fact, there is not much change from last week, excepting possibly American Beauties, and for these it seems as though they are held for so much money that the people let them alone. Prospects for a supply of cut stock for Christmas is not very encouraging, as we have had only two days of sunshine for over a month. There is a very fine line of blooming plants being offered, cyclamen and begonias being exceptionally fine. Dried Christmas supplies are moving nicely, all the retailers starting to make them up.

NOTES.

The Zieger Co. is very busy at both stores making up Christmas stock.

James Pogue, who formerly had a florist store in Washington, and recently settled in Oklahoma, has returned to this city.

It is reported that wedding bells will be ringing shortly after Christmas at the McRae-Jenkinson Co. Mike Steiner is the only unmarried man there, so "nuf-ced."

Geo. Wehrheim is exceedingly busy and states that he expects this Christmas to be the best he has ever had, and is buying accordingly.

Mrs. E. A. Williams has had a very heavy run of work lately and you could see the lights burning very late, almost every night.

Basie McQuiddy, formerly with the South View Floral Co., is now at the Baum street store of Randolph & McClements.

Wm. Loew has returned from the Maine woods, and is busy in the same old way at his Liberty street store.

The Superior Decorating Co. is the title of a new firm, which announces they are ready for business.

I. E. Butler, New Kensington, has sold his greenhouses to the McRae-Jenkinson Co.

Lilies were much in evidence and demand at the Pittsburg Cut Flower Co.

The McCallum Co. is handling a quantity of stevia.

Sam McClements has been laid up with the gripe.

W. H. Carney spent several days in the east.

J.

Montreal.

Prospects for a good Christmas trade are very bright, there is a continual demand for plants which has already taken much of the stock intended for the holidays. The local growers in former years have been well able to fill the demand for Christmas plants but, if the present call for this stock continues, we shall have to look to outside growers for our supply, which will be a serious problem if the weather conditions are unfavorable. Most of our cut blooms have been received from the west the year around, but within the last year or two some have come from Boston. This entirely reverses the conditions, for not many years ago Canadian growers exported largely to the United States but now regular orders or shipments are received from the United States by nearly all the leading retail stores in

Canada. Christmas prices went into force with the wholesalers the beginning of the month, which leaves the retailer with no profit, for he can not charge higher prices until Christmas week. Roses and carnations are scarce and not very good. Chrysanthemums are about over, a few stragglers are to be seen but the people are tired of them. Violets are very scarce and high.

The Montreal Gardeners' and Florists' Club held its annual meeting December 5. The report of the secretary-treasurer was very satisfactory, the membership is increasing, now numbering 67 with an average attendance of 26 at the meetings, and the financial report showed a balance on hand of \$198.74. The following officers were elected: Jas. A. West, president; R. W. Whiting, 1st vice-president; H. J. Eddy, 2nd vice-president; W. H. Horobin, secretary and treasurer; A. C. Wilshire, R. Turner, E. Hayward, J.



The Late Jos. F. Klimmer.

Walsh, W. J. Watts, T. Gillespie, committee; D. Russel, J. Pidduck, A. Wilshire, Chas. Byford, games committee.

Adam Shand of St. Johns, N. B., is the latest wholesale grower shipping to the Montreal market.

Mepstead of Ottawa was a visitor last week, creating quite a speculation as to the object, baseball being over and the ice sport has not yet commenced.

LUCK.

N. Y. & N. J. Ass'n of Plant Growers.

The annual meeting of the New York & New Jersey Association of Plant Growers was held at the office of the secretary, William H. Siebrecht, Jr., on Tuesday, December 6, 1910. In spite of the snowstorm a large attendance was at hand. Very important business was transacted and the election of officers for the ensuing year also took place. The following officers and directors were elected for the year 1911:

A. L. Miller, Brooklyn, president.
Herman Schoelzel, New Durham, N. J., vice-president.

Herman C. Steinhoff, Hoboken, N. J., treasurer.

William H. Siebrecht, Jr., New York, secretary.

C. W. Scott of the Hinode Florist Co., and the Yokohama Nursery Co., John H. Fiesser, North Bergen, N. J., and David McKenzie, executor of estate of John Scott, Brooklyn, directors.

W. H. SIEBRECHT,
Secretary.

OBITUARY.

Joseph Frank Klimmer.

Joseph Frank Klimmer, the well known Chicago florist, died at his home in Forest Park December 12, after a protracted illness. Mr. Klimmer was born in Munich, Bavaria, October 1, 1854, and came to Chicago in 1868 when he started to learn the flower business with Adam Blumenschein on Cottage Grove avenue. He married Augusta Dorstewitz and there were three children, Minnie, Frank and Lily, the latter now Mrs. Zander. He located first at the triangle at the corner of Ashland avenue and West Madison street, managing the store for August Dresel. He later started a store business for himself at 258 West Madison street and after occupying that and two or three nearby locations, in 1883 he entered the greenhouse business at Harlem, now Forest Park. About 1892 he gave up the city store and devoted himself entirely to the Forest Park establishment, marketing his surplus cut flowers at wholesale.

Mr. Klimmer was an exceptional man of marked ability in many directions and a thoughtful student of the various sides of human life. He had excellent business judgment, was an accomplished grower and an expert with several classes of plants, particularly carnations and chrysanthemums. As a member of flower show and other trade committees he was always present and dependable in the work assigned to him. He was elected village trustee of Harlem and president of the village board, and was a justice of the peace for a number of years. In all official positions and among his neighbors he was admired for his ability and honesty and as a candidate for office always had the strong support of the best element in the community. A democrat in politics, he was an exceptionally fluent, forceful and interesting speaker, either in German or English. He made many speeches during the presidential campaign of 1900. He was a staunch and sympathetic friend, greatly esteemed by a host of friends in the trade and as a member of the Chicago Florists' Club, which he served as trustee from 1905 to 1909, his counsel and opinions were always warmly welcomed and given the closest attention.

Funeral services have been arranged for Thursday, December 15, at 3 p. m. Anton Then, H. N. Bruns, A. H. Schneider and J. C. Vaughan will represent the trade as pallbearers.

Archibald Small.

Archibald Small, who, as previously reported in these columns, was seriously injured by a vicious hog on his farm at Silver Spring, Md., near Washington, D. C., died of his injuries on the evening of December 6. Though the most skillful surgeons were in constant attendance, their efforts were fruitless, gangrene having set in.

Mr. Small was a son of the late John H. Small of Washington, and a brother to John H. Small of Washington and Charles A. Small of New York, who now compose the firm of J. H. Small & Sons. Archibald Small was born in Washington 47 years ago. He received the training of a florist and followed that occupation until recent years. He was, at various times, employed by his father and brothers, but was never, so far as we are aware, an active member of the firm of J. H. Small & Sons. He was at one time in the retail business in New York, on his own account, but his business was greatly injured by the work consequent to the construction of the subway in front of his store and he relinquished it. Within the past few years he has been engaged in other pursuits.

"Archie" Small was well known to many in the trade, was genial, frank and kind hearted, and his sad and untimely death has caused many expressions of regret and sympathy. In addition to the brothers, he is survived by a wife, an aged mother and several sisters.

His funeral was held at the Church of the Epiphany, Washington, D. C., at 2 p. m., December 9. The solemn rights of the Episcopal Church were performed by Rev. Dr. Randolph McKinn. All the family and many friends were present. A. F. F.

William A. Appleton.

William A. Appleton, a florist and landscape gardener of Providence, R. I., died at his home on Tobey street, that city, December 7, having suffered since last March from a complication of kidney troubles.

Mr. Appleton was born in Providence in 1855, and after attending the public schools, at 18 years of age entered the employ of Walter Hogg, at the green-houses on Benefit street. He next worked at Swan Point cemetery, under Superintendent McCarthy, finally becoming head gardener, and many of the beautiful effects to be seen at this cemetery are due to his taste in landscape work. In 1888 he bought out the florist business of Robert Hogg, at 294 Broadway, and has conducted a flourishing business at that place ever since.

He was one of the charter members of the Florists' and Gardeners' Club of Rhode Island and served as president of the society. He was vice-president of the Rhode Island Horticultural Society and until this year had charge of the arranging of the flowers at the society's shows. He was a member of the Knights of Columbus, Foresters of America and Order of Heptasophs. He is survived by a widow, six sons, three daughters, five sisters and two brothers.

Mrs. Isabella P. Whittet.

Isabella P. Whittet, wife of Alexander Whittet, died December 3, at her home, 31 Wentworth street, Lowell, Mass., aged 70 years, having been ill with heart trouble since last August.

She was born, Isabella Proudfoot, in Perth, Scotland, in 1840, coming to Lowell as a young woman, and in January, 1867, was married to Alexander Whittet. She was one of the oldest living members of the High Street Congregational Church and active in all its charities and a member of Washington commandery U. O. G. C. She is survived by a husband and three sons, William D., Charles A., and Rufus M.; two daughters, Misses Isabella E. and Edith A. Whittet and two sisters in Scotland.

Chrysanthemums Outside in the South.

This being my first attempt to raise chrysanthemums of any size I will explain my treatment and success attained in the open air. The only protection against rain, wind and frost is a frame built around the beds, one side being high enough so that when the canvas is rolled down water will not stand upon it but will run off and also giving protection against wind and frost. Chrysanthemums have been cut measuring 10½ inches across and the flowers and varieties from these beds are from two to three weeks earlier than are those raised under glass. The flowers and foliage are perfect and the stems strong and of good length. The beds are prepared in the winter so as to get rid of all plant life and then the plants are set about the middle of May after they have been cut back so as to get two or three good leads. G. L.

Wholesale Plant Prices at New York, December 18, 1910.

Variety.	Size.	Height.	Each.	Dozen.	Per 100.
Araucaria Excelsa	4	3 tiers	\$.40	\$ 4.80	\$37.50
"	5½	3 to 4 tiers	.50	6.00 to 9.00	50.00
"	6	4 tiers	.75	9.00	75.00
"	7	5 tiers	1.00	.....	.....
"	Compacta 6	.....	\$.75 to 1.50	.....	.....
Areca Lutescens	4	.....	.35	(Held to grow on)	.....
"	5	.....	.50	.....	.....
"	6	.....	.75 to 1.00	.....	.....
"	7	.....	1.25 to 1.50	.....	.....
"	8	.....	2.00 to 2.50	.....	.....
"	9	bushy	3.00	.....	.....
Asparagus Plumosus	2½	.....	.....	.....	\$ 3.00 to \$ 4.00
"	3	.....	.....	.....	5.00 to 6.00
"	4	.....	.....	.....	10.00 to 12.00
"	5	.....	.....	.....	15.00 to 20.00
"	6	.....	.20 to .35	.....	20.00 to 30.00
Asparagus Sprengeri	2	.....	.....	.....	2.50 to 3.00
"	3	.....	.....	.....	4.50 to 6.00
"	4	.....	.....	.....	10.00 to 15.00
"	6	.....	.....	.....	15.00 to 20.00
Cocos Weddeliana	3	.....	1.25	.....	12.50
"	5	.....	.75	.....	.....
"	made up 7	.....	2.00	.....	.....
Crotons	4	.....	.25	.....	.....
"	5	.....	.35 to .50	.....	.....
"	6	.....	.75 to 1.00	.....	.....
Cycas Revoluta	.....	.....	.20 up	.....	.....
Dracaena Fragrans	4	.....	.25	(usually to grow on)	25.00
"	5	.....	.50	.....	.....
"	6	.....	.75 to 1.00	.....	.....
"	8	.....	1.50 to 2.00	.....	.....
"	10	.....	2.50 to 5.00	.....	.....
"	Massangeana	5	.75	.....	.....
"	Terminalis	6	.35 to .50	.....	.....
"	Godseffiana	4	.25	.....	.....
"	Sanderiana	3	.15	.....	.....
"	Lindeni	6	1.25 to 1.50	.....	.....
"	Gracilis for centers	3	.15	.....	.....
Fern Balls (ready Christmas)	.....	.....	.....	.....	.....
Ferns for dishes	2¼	.....	.02¼ to .03	.....	.....
"	3½	.....	.05 to .08	.....	.....
"	4	.....	.12 to .15	.....	.....
Cyrtomium Falcatum	4	.....	.12 to 2.50	.....	.....
Ficus Elastica	5	.....	.25	.....	25.00
"	6	.....	.25 to .35	.....	25.00 to 30.00
"	branched	6	.40 to .50	.....	50.00
"	branched	8	.50 to 1.00	.....	.....
"	branched	10	1.50 to 3.00	.....	.....
Ficus Pandurata	8	.....	2.00 up	.....	.....
Kentia Belmoreana, for cen.	3	.....	.10 to .12½	.....	.....
"	4	12 to 15 in.	.25	scarce	.....
"	5	15 to 18 in.	.40 to .60	.....	.....
"	6	18 to 22 in.	.75 to 1.00	.....	.....
"	6	24 to 26 in.	1.00 to 1.25	scarce	.....
"	7	28 to 30 in.	1.50 to 2.50	.....	.....
"	8	32 to 34 in.	2.50 to 3.50	.....	.....
"	8	34 to 36 in.	4.00 to 4.50	.....	.....
Kentia Forsteriana	4	.....	.50 to .75	.....	.....
"	5	.....	.75 to 1.00	.....	.....
"	6	.....	1.25 to 1.50	.....	.....
"	7	.....	1.75 to 2.50	scarce	.....
"	8	.....	3.50 to 4.00	.....	.....
"	10	.....	5.00 to 7.50	.....	.....
Latania Borbonica	5	.....	.25	.....	.....
"	6	.....	.50 to .75	.....	.....
"	8	.....	1.00 to 1.50	.....	.....
Nephrolepis Bostoniensis	4	.....	.15 to .20	.....	.....
"	6	.....	.30	.....	30.00
"	7	.....	.40 to .50	.....	40.00
"	8	.....	1.00 to 1.50	.....	.....
"	10	.....	1.50 to 2.50	.....	.....
Nephrolepis Scottii	4	.....	.15	.....	.....
"	6	.....	.30	.....	.....
"	7	.....	.75 to 1.00	.....	.....
"	8	.....	1.00 to 1.25	.....	.....
"	specimen	12	.....	5.00	.....
"	specimen	14	.....	6.00	.....
Nephrolepis Superbissima	6	.....	1.00	.....	.....
"	10	.....	5.00	.....	.....
Nephrolepis Whitmani	6	.....	.20	.....	.....
"	8	.....	.50 to .60	.....	.....
"	10	.....	1.50 to 2.50	.....	.....
Pandanus Urtis	5	.....	.25 to .35	scarce	.....
Pandanus Veltchii	5	.....	.35 to .50	(usually held to grow on)	.....
"	6	.....	1.00 to 1.25	.....	.....
"	8	.....	1.50 to 2.50	.....	.....
Phoenix Canariensis	12	.....	2.50 to 5.00	.....	.....
Phoenix Reclinata	10	.....	3.00 to 6.00	.....	.....
"	12	.....	7.00 to 8.00	.....	.....
Phoenix Rupicola	8	.....	3.00 to 6.00	.....	.....
"	10	.....	7.50 to 10.00	.....	.....
Phoenix Roebelenii	4	.....	.50	.....	.....
"	7	.....	1.50 to 2.50	.....	.....
Livistona Rotundifolia	4	.....	.25	scarce	.....
"	5	.....	.35 to .50	.....	.....
"	6	.....	.75	.....	.....
"	7	.....	1.00	.....	.....
Livistona Chinensis	8	.....	1.00 to 1.50	.....	.....
"	10	.....	2.50 to 4.00	.....	.....
Rhapis Humilis	.....	.....	.50 per shoot	.....	.....

Prices given are for this date only, for A No. 1 stock, delivered in pots at N. Y. stores.

Scottii and Boston ferns continue in great demand.

Phoenix Roebelenii in smaller sizes should be grown for "center plant use," for which they are specially adapted.

Large size Pandanus utilis very scarce.

Ficus pandurata sell well and should be grown in all sizes.

Livistona rotundifolia exceedingly scarce.

December 18, 1910.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO

THIS ISSUE 76 PAGES WITH COVERS

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THE next meeting of the American Breeders' Association will be held at Columbus, Ohio, February 1, 2 and 3, 1911.

A NEW pink is advertised by a Chicago seed concern as "the exact color of Mrs. Thomas W. Lawson at all times of the year." After the bath?—Chicago Tribune.

To Prevent Frosting of Windows.

The following recipe for preventing the frosting of shop windows may be given in good time, so as to be at hand when needed: Paint them with a solution of glycerine in 63 per cent spirits of wine. Glycerine, like chloride of lime, has the property of absorbing water, and this action serves to entirely overcome the difficulty.

Forest Nurseries for Schools.

Farmers' Bulletin No. 423, issued by the United States Department of Agriculture, entitled Forest Nurseries for Schools by Walter M. Moore and Edwin R. Jackson, contains suggestions particularly valuable to rural school teachers, as they distinctly describe a form of school garden work or elementary agriculture which is applicable to all parts of the country, and is replete with directions how to make preparations and to conduct such a work.

A House of Flowers.

John Breitmeyers' Sons of Detroit have issued a very attractive booklet entitled "A House of Flowers," a name which they have adopted as appropriate to their store and business. It is splendidly illustrated with views of their store and artistic decorations. Their work and capabilities, the culture of the different house plants and the care of cut flowers are interestingly presented to the reader. It is beautifully printed and an ornament for the ladies' desk or table.

Foley's New Greenhouse Ventilator.

The Foley Mfg. Co., Chicago, has been testing a new ventilating apparatus in the greenhouses of the Poehlmann Bros. Co., at Morton Grove, Ill., during the past few days, with highly satisfactory results. The device involves a principle which is new, we believe, in greenhouse ventilation, namely, that of counter-weighting, which seems eminently practical and quite desirable in the long greenhouses now so commonly employed in commercial horticulture.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high grade work.

Forger Wanted.

The Greenville Floral Co., Greenville, Mich., wishes to advise the trade at large to be on the lookout for one W. E. McLaughlin, claiming to be a rose and carnation grower, from Seattle, Wash., former home, Middletown, O. On Saturday, December 10, 1910, he forged checks to the amount of or about \$65 on the above named company. He is about five feet six inches tall, dark, sharp features, blue eyes, has a scar over the bridge of his nose about one inch long, dark hair, both arms tattooed, one with the three links of the Odd Fellows, of which he is a member, or claims to be a member, the other arm has a sailor girl and above her four roses.

If seen arrest at once and notify the above company.

GREENVILLE FLORAL CO.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the Chrysanthemums, Smith's Advance, Unaka, Chrysolora, Paper White, Minta, Morristown, Oceanic, Glen Cove, Lenox, Tarrytown, Poughkeepsie, Madison and Dick Witterstaetter, by Elmer D. Smith & Co., Adrian, Michigan, becomes complete.

REGISTRATION OF GERANIUMS.

Public notice is hereby given that F. H. De Witt, of Wooster, Ohio, offers for registration the geraniums described below. Any person objecting to the registrations or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registrations, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Panama.—Originated in 1909 by F. H. De Witt, being a cross between Dryden and Pamela. It is a strong grower and much brighter in color than Dryden. The trusses of bloom are very large and have long, stiff stems. Very free in bloom. Single flowers.

White Cloud.—Originated in 1909 by F. H. De Witt. It is a cross between Mlle. Anastasie Lecardre and Pamela. Growth of medium height. Clusters large, foliage of medium size. Color pure white. Single flowers.

Ruby.—Originated in 1909 by F. H. De Witt. It is a seedling of S. A. Nutt crossed with Pamela. Growth similar to S. A. Nutt. Large clusters on long stems. Color dark currant red suffused with violet. Semi-double flowers.

General Wooster.—Originated in 1909 by F. H. De Witt. A seedling of S. A. Nutt crossed with Jean Viand. Plant of dwarf habit, thick foliage, large trusses borne on heavy, rigid stems. Color, rose pink. Semi-double flowers.

Barnaby Rudge.—Originated in 1909 by F. H. De Witt. It is a cross between S. A. Nutt and Red Wing. Very strong grower. Free in bloom. Compact trusses. Color rich carmine. Double flowers.

Bright Eyes.—Originated in 1909 by F. H. De Witt. A cross between Jules Lametre and Jean Viand. Of the Cyclops type. Growth dwarf and compact. The florets are very large. The trusses of medium size and freely produced. Color, bright red shading to violet with an unusually large white eye. Single flowers.

H. B. DORNER, Sec'y.

December 8, 1910.

Chrysanthemum Society of America.

WORK OF EXAMINING COMMITTEES.

Boston, Mass., November 26.—Pink sport of W. H. Chadwick, scored 80 points commercial scale, exhibited by A. N. Pierson, Cromwell, Conn.

Philadelphia, Pa., November 26.—Pink sport of W. H. Chadwick, scored 86 points commercial scale, same exhibitor as above.

Chicago, December 3.—December Gem, incurved pink, scored 89 points commercial scale, exhibited by Elmer D. Smith & Co., Adrian, Mich.

Cincinnati, O., December 3.—December Gem, pinkish white Japanese incurved, scored 81 points commercial scale, exhibited by Elmer D. Smith & Co., Adrian, Mich.

Meetings Next Week.

Boston, Mass., December 20.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., December 19, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., December 19.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., December 23, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., December 19, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

Newport, R. I., December 21.—Newport Horticultural Society.

Providence, R. I., December 19, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, December 20.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., December 20.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., December 20, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., December 20, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By single German, in Carnation section or where a general line of stock is grown. HENRY MENIE, 4260 Carlin Ave., Cincinnati, O. Sta. A.

Situation Wanted—Position as foreman by all round grower of roses and commercial stock in general, including orchids. Address Key 345, care American Florist.

Help Wanted—At once, good carnation grower; single man preferred. N. C. MOORE & Co., Morton Grove, Ill.

Help Wanted—An experienced storeman; must be good salesman and able to do design work. Apply to J. W. NIESEN, 394 E. 47th St., Chicago.

Help Wanted—A neat, clean, single young man on a private job; with a couple of years' experience in greenhouse and outdoor work; good position for the right party, who is willing to learn under a head gardener. Please state age, nationality and references in first letter. Address C. H. B., Box 103, Green Lake, Wis.

For Sale Cheap—Return tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure. W. H. BARRETT, Adrian, Mich.

Wanted To Rent or Buy—About 5,000 feet of glass in good business town; must be in good repair. Address Key 349, care American Florist.

GROWER WANTED

We want a section man for two new houses, one that can turn out the goods. Address Key 355, care American Florist.

Wanted At Once

Competent man or woman for retail store in south, good permanent position. Good salary to right party. Address Key 356, care American Florist.

WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address Elm City Nursery Co., New Haven, Conn.

Commercial or Private Place.

Young man thoroughly qualified in all lines of commercial floriculture and private gardening, is open to engagement. Single; excellent references. Address Key 348, care American Florist.

Head Gardener

Thoroughly practical florist, gardener with 22 years' experience in every line of horticulture, single, sober, best of references; please state particulars and salary in first letter. Address Key 353, care American Florist.

WANTED

Bright young man with experience in a wholesale and retail Seed Business; one competent to put up bulk orders, also wait on counter trade. Address with particulars, giving experience and reference. P. O. Box 1594, Philadelphia, Pa.

Advertiser

has good opening for a man competent to take charge of several greenhouses, stock, decorative plants, and attend to decorations and general retail work. Good opening for hustling man. Address Key 354, care American Florist.

Rose Grower Wanted

Young man to work under foreman; must furnish the best of references. Greenhouses 11 miles from Philadelphia. No one but a steady, sober and industrious man need apply. Address THORN HEDGE GREENHOUSES Newtown Square, Pa.

For Sale

Established seed store stock and fixtures, all kinds of field and garden seed and implements, poultry supplies, etc. Invoice about \$2,000.00 will take \$1,500.00. The only seed house within 100 miles. Reason other business, L. E. WESTERFIELD, 307 East Broad St., Texarkana, Ark.

Head Gardener

33 years old; single, with 20 years' experience on private estates and commercial places from Germany, Switzerland, Sweden, France, England and United States with first class references from each place, is now open for engagement on private estate until April 1, 1911. Address Key 352, care American Florist.

Manager or Superintendent of Commercial Greenhouse

A thoroughly competent grower of all classes of commercial greenhouse plants and cut flowers desires a position as manager or superintendent of modern commercial plant. Advertiser can show the highest credentials. State salary. Address Key 351, care American Florist.

A Golden Opportunity

A good practical grower of greenhouse and outdoor crops can take over at a nominal rental a greenhouse plant of about 16,000 square feet of glass; a fine heating plant with 100 tons of coal in the cellar; houses well stocked with Carnations, Sweet-peas, Freesias, Parsley, Asparagus Plumosus and Spengerii. A good cottage is a part of the plant; with from 10 to 20 acres of the very best land. Fine location. Markets for crops already established. Plant has been conducted as a semi-commercial establishment; owner now wishes to be relieved of all responsibilities.

For further particulars apply to

John T. Withers, 1 Montgomery St., Jersey City, N.J.

ASSISTANT CURATOR.

DIVISION OF PLANTS, NATIONAL MUSEUM.

JANUARY 7, 1911.

The United States Civil Service Commission announces an examination on January 7, 1911, to secure eligibles from which to make certification to fill a vacancy in the position of assistant curator, Division of Plants (National Herbarium), National Museum, Washington, D. C., at \$1,600 per annum and vacancies requiring similar qualifications as they may occur, unless it may be decided in the interest of the service to fill the vacancy by reinstatement, transfer, or promotion.

Competitors will be assembled for any of the tests:

The examination will consist of the subjects mentioned below, weighted as indicated:

SUBJECTS	WTS.
1. Undergraduate work particularly in botany, Latin, French, and German (the competitor will be required to submit a statement indicating definitely the amount of work done in each of these subjects in his college course).....	10
2. Postgraduate work (rating to be determined upon the amount and character of postgraduate work done in botany, which must be shown by a statement indicating the college or botanical institution in connection with which and under whose supervision the work was done, the amount of field work done, and when and where. The statement should also show any degrees received and indicate the experience the applicant has had in caring for a large herbarium).....	30
3. Botanical papers published (the applicant will be required to file a list of all papers published by him and copies of one or more papers on the subject of systematic botany).....	30
4. Original thesis on care, arrangement, and development of a large herbarium.....	30
Total.....	100

The thesis may be either typewritten or in the handwriting of the applicant, and on any size paper most convenient. If a competitor fails in the examination, the thesis will be returned to him upon his request.

Age limit, 20 years or over on the date of examination.

This examination is open to all citizens of the United States who comply with the requirements.

In accordance with a recent act of Congress an applicant for this examination, to be eligible for a position in the apportioned service in the Department at Washington, D. C., will be required to show in his application that he has been actually domiciled in the State or Territory in which he resides for at least one year previous to the date of the examination.

This announcement contains all information which is communicated to applicants regarding the scope of the examination, the vacancy or vacancies to be filled, and the qualifications required.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application and examination Form 304 and special form. No application will be accepted unless properly executed and filed with the Commission at Washington prior to the hour of closing business on January 7, 1911. In applying for this examination the exact title as given at the head of this announcement should be used in the application.



KENTIA.

Kentia Belmoriana

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

Pot	Height	Leaves	Each	Doz.	100
2½-in.	8 to 10-in.		\$ 1.50	\$10.00	
3 -in.	12-in.		2.00	15.00	
4 -in.	14 to 16-in.	4 to 5...	0.50	4.50	35.00
	20 to 22-in.	4 to 5...	.75	9.00	
	22 to 24-in.	4 to 6...	1.00	12.00	
6 -in.	26 to 28-in.	6 to 7...	1.50	18.00	
7 -in.	28 to 30-in.	6 to 7...	2.50	30.00	
8 -in.	42 to 48-in.	6 to 7...	5.00		
9 -in.	54 to 60-in.	6 to 7...	7.00		
	60 to 64-in.	6 to 7...	15.00		

Kentia Forsteriana

Pot	Height	Leaves	Each	Doz.
2-in.	6 to 7-in.	3 to 4...	\$1.50	
3-in.	10 to 15-in.	4 to 5...	2.00	
4-in.	16 to 18-in.	5 to 6...	4.50	
			Each	
5-in.	24 to 28-in.	5 to 6...	\$0.75	
6-in.	36 to 40-in.	5 to 6...	1.50	
7-in.	36 to 40-in.	6 to 7...	2.50	
8-in.	40 to 44-in.	6 to 7...	3.00	
9-in.	48 to 50-in.	6 to 7...	5.00	

Made-up Plants

46 to 48-in. high, 3 in a pot, each, \$2.25			
Tubs	Height	Plants in tub	Each
9-in.	48 to 50-in.	4	\$ 6.00
10-in.	54 to 60-in.	4	10.00

Crotons

Just the thing for foliage baskets.

3-in. pots	per doz.	\$2.00
4-in. pots	per doz.	3.00

Boxwoods

2 ft. high	each,	\$ 1.00
Pyramids, 5 ft. high	per pair,	15.00

Christmas Plants and

will soon be in demand. Are YOU prepared for the rush?

Asparagus Sprengeri Baskets

Nicely furnished at.....each, \$1.00
Boston Fern Baskets at.....each, 1.00

Cocos Weddelliana

3-in. potsper doz., \$2.50



PANDANUS

Pandanus Veitchii

	Each	Doz.
4-in.	\$0.50	\$6.00

Pepper Plants

5-in. pots	per doz.,	\$2.50
6-in. pots	per doz.,	3.00



DRACAENA FRAGRANS

The above is one of our 75c Plants.

Dracaena Fragrans

	Each	Doz.
5-in. pots, 10 to 12-in. high.....	\$0.50	\$ 5.00
6-in. pots, 12 to 14-in. high.....	.75	9.00
7-in. pots, 14 to 16-in. high.....	1.00	12.00
8-in. pots, 16 to 20-in. high.....	1.50	18.00

Phoenix Canariensis.

30 to 36-in. high, 8-in. tub.....	Each	\$2.50
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Phoenix Roebelenii

Very pretty for center of ferneries, hardy and just as graceful as a Cocos.

	Each	Doz.
2-in. pots	\$0.25	\$3.00
3-in. pots	.50	6.00
4-in. pots	.75	9.00
8-in. tubs	4.00	

Order Today--But if you don't see what you want in this list, send us a postal with your name and address and ask for our Catalogue of Ornamental Shrubs, Trees, etc., and Complete Price List of Decorative Stock.

THE GEO.

Cleveland.**VERY COLD WEATHER.**

Winter weather prevails, with a little snow every day and the weather cloudy and dark. This is probably the coldest weather experienced here at this season of the year for some time. Stock is quite scarce, large shipments of sweet peas should be coming in, but so far but few have arrived. Carnations are a little more plentiful, but still short of the demand. Paper white narcissus are slowly coming along, stevia is plentiful, lily of the valley is abundant with a good call, but violets and callas are moving slowly, and calendula and marguerites have made their appearance. A few good white chrysanthemums are coming in but

mostly for orders. Greens are plentiful but the shortage in ground pine for wreaths and wreathing is making the demand for boxwood and southern smilax exceptionally good. Moss wreaths are having a good sale.

NOTES.

The Cleveland Florists' Exchange is receiving several cars of southern wild smilax which enables them to sell at a figure very much lower than heretofore. Several cars of boxwood have already been disposed of, and another lot is coming for this firm. A car of cedar plant tubs in all sizes also arrived this week. These tubs are just the thing for palms, etc., and are especially adapted for the nursery trade.

C. F. B.

Cincinnati.**PRICES ADVANCING.**

Prices are gradually advancing to their Christmas goal. The market as a whole is listless. Heavy out-of-town buying helps clean up everything worthy from day to day. Roses are increasing in numbers and usually meet all requirements, and American Beauties are good in quality and ample in numbers. Carnations are as plentiful as a quarter of 1853 and, as that coin is selling at a premium, they too are bringing stiff prices. Other lines are coming into the market and lilies, narcissus and stevia are increasing in supply. Plenty of New York double violets are here to meet every request. Last week the business in them was

Other Decorative Stock

Wittbold's stock will surely please both you and your customers



ASPARAGUS SPRENGERI

Asparagus Sprengeri

3-in. pots	.....per 100, \$	3.00
4-in. pots	.....per 100,	6.00
4-in. pots	.....per 100,	12.00

Asparagus Plumosus Nanus

	Per doz.	100
2-in. pots	.....\$0.50	\$ 3.00
3-in. pots	......75	8.00
4-in. pots	.....1.50	12.00

Fine Ferns

Here is an assortment of ferns for fern dishes in varieties as follows:

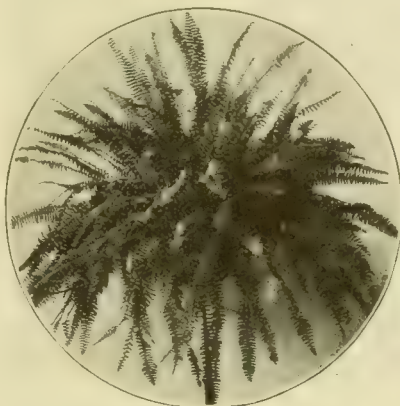
Aspidium Tsussimense. *Pteris* adiantoides. *Pteris* cretica albo-lineata. *Pteris* Ouvardi. *Pteris* serrulata. *Pteris* Wimsettii. *Pteris* tremulata. 2-in. pots, 40c per doz.; \$3.00 per 100.

Aspidistra Lurida, Variegated

15c per leaf.....plants, \$1.00 and upwards

Latania Borbonica

Pot	Leaves	Height	Each	Doz.	100
3-in.	3 to 4	10 to 12-in....		\$ 1.50	\$10.00
4-in.	4 to 5	12 to 15-in....	\$0.25	3.00	25.00
8-in.	7 to 8	24 to 28-in....	1.50	18.00	



BOSTON FERN

Nephrolepis Bostoniensis

Pot	Doz.	100
3-in.	.....\$ 1.00	\$ 8.00
4-in.	.....1.50	12.00
5-in.	.....3.00	25.00
6-in.	.....6.00	45.00
7-in.	.....9.00	70.00
8-in.	.....12.00	90.00
9-in.	.....15.00	

We have larger sizes at \$1.50, \$2.00 and \$2.50 each and upwards.



ARAUCARIA

Araucaria Excelsa

5-in. pots	.....per doz., \$	9.00
6-in. potsper doz.,	12.00
7-in. potsper doz.,	18.00

Baby Primulas

5-in. potsper doz.,	\$2.00
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Areca Lutescens

Made-up Plants

Pot	Leaves	Height	Each
8-in	12 to 20	30 to 36-in....	\$4.00

Wandering Jew

Variegated or Tradescantia

2-in. potsper doz.,	\$0.50
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Ficus Pandurata

6-in. pots, 36-in. high.....	each,	\$2.50
7-in. pots, 48-in. high.....	each,	3.50

Euonymus Variegatus

5-in. pots.....	per doz.,	\$4.20
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WITTBOLD CO. 737-739 BUCKINGHAM PLACE,
L. D. Phone
Graceland 1112 **CHICAGO**

slow; this week it improved considerably and lily of the valley are offered every day in quantity. Boxwood, owing to the very heavy demands, because of the entire absence of lycopodium, is getting scarce. It is being sold as fast as it comes in, but there is an ample supply of other greens. The holly so far this season has been uniformly good. The leaves are green and the holly is well berried. Laurel roping is also very good in quality.

NOTES.

The Florists' Society held a very enthusiastic meeting December 12. In less than five minutes \$4,000 was pledged for the \$10,000 guarantee fund for the flower show next fall. Wm. Murphy extended a kind invitation to

hold the next meeting of the society at his wholesale depot on Main street. Mr. Murphy and C. E. Critchell will "set 'em up" and there will be a general house warming after the meeting.

C. E. Critchell has been receiving large shipments of chrysanthemums from Robert Buck & Co. of Washington, C. H. Mr. Critchell has offered a box of cigars to the individual bowler making the best average in the championship games Monday evening, December 19.

C. C. Murphy has almost his entire place in a new red seedling carnation, and is very fortunate in having a good crop in every house for Christmas.

Michael Matchen, of Peter Reinberg's, inspected the heating system at

P. J. Ollinger's greenhouses at New-castle, Ind.

F. J. Farney, representing Rice & Co., and Martin Reukauf were both in Cincinnati December 12.

Gus Meier of the Hyde Park Rose Co. is seriously ill with bronchial pneumonia. H.

SOMERSET, PA.—The Gladehurst greenhouses, of which Mrs. Luella Parkhill is proprietor, is enjoying a nice business. There is 4,600 square feet of glass of Lord & Burnham construction in which the growing under the care of J. W. Ogilvie is carried on, the specialties being carnations and ferns.

Notice! The House of Godfrey Aschmann has no connection with any other house.

PREPARE FOR THE HOLIDAYS

It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm who has always looked after your interests and who protects you.

We Have No Department Store Customers. We Sell Strictly to the Trade Only.



A HOUSE FULL OF BEGONIA GLOIRE DE LORRAINE. WHO CAN BEAT THAT?

Begonia Gloire de Lorraine

Begonia Gloire de Lorraine
to Beat the Band.

This is another specialty of ours. We have a secret in growing them to perfection, only known to us giving them a rich deep pink color. They stand shipping well, traveling 2,000 to 3,000 miles without injuring or killing them in transit, if properly handled. We have a big housefull in 6 to 7 in. sizes, in bud and partly in bloom, ready

AZALEA INDICA.

Already Forced for Christmas, put away in colder houses, ready for shipment Deutsche Perle, pure double white; Simon Mardner, large double pink; Vervaneana, double pink variegated. Price: 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each. Mme. Petrick, pink, 75c, \$1.00, to \$1.25. Remember, only the best and healthiest stock should be selected for Christmas as poor, weak Azaleas won't force successfully for Christmas. Don't order many 75c ones, because we won't have them. Larger sizes and also white ones must accompany the order.

For Easter Forcing we have only the well known standard American market varieties, such as Mme. Van der Cruyssen, pink, very scarce this year in Belgium, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Niobe, double white, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Deutsche Perle, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Helena Thielman, light pink, \$1.00, \$1.25, \$1.50 to \$2.00; President Oswald de Kerkove, \$1.00 to \$1.50; Schryveriana, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Empress of India, double variegated, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00; Professor Wolters, 75c, \$1.00, \$1.25 to \$1.50; Vervaneana, 60c, 75c, \$1.00, \$1.25 to \$1.50; Apollo, 60c, 75c, \$1.00 to \$1.25; Simon Mardner, 50c, 60c, 75c, \$1.00 to \$1.50.

Remember, small sizes of Azaleas are scarce this year in Belgium; therefore I had to buy mostly large sizes.

Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money. Jerusalem Cherries, or Solanum 6-in. pots, 25c, 35c, 50c.; full of ripe berries.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c.

Asparagus Plumosus, 2½-in., 4c; 3-in., 7c; 4-in., 15c.

for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Begonia Gloire de Lorraine on the market. They were crackerjacks indeed! We have the deep pink and the light pink (Lonsdale) varieties, 6 in. pots, 50c, 75c to \$1.00; 7-in., \$1.25 to \$1.50; 3 in., 15c each \$15.00 per 100. If you have room you should order now because they are always scarce at Christmas. We have only a limited stock of 50c sizes; other larger sizes must be ordered in connection with 50c sizes.

Begonia Rex, 4-in., 20c.

LEADER

in

FERNS

Scottii, Scholzei, Whitmani, Boston. Six houses stocked with the choicest, were never better than this year, 5, 5½, 6 and 7 in. pots, 35c, 40c, 50c, 60c, 75c to \$1.00.

LEADER

in

Azalea Indica.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Our Ferns this year are exceptionally very fine Boston, Scottii, Whitmani and Scholzei, 5½ and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.0 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on Scottii, much shorter and bushier than Scottii, 5½-in. pots, 50c; 3-in. pots, 25c.

LEADER

in

Begonia Gloire

de Lorraine,

Kentias,

Palms,

Rubbers,

Etc.

We lead you into wealth.

Please look at our special low prices for superior stock in

Rubber Plants, 6 in. pots, 35c, 40c and 50c; 5-in., 25c.

Primula Chinensis, 5¼-in., \$2.50 per doz.

Primula Obconica, finest strain, 5½-in., 25c; 6-in., very large and extra fine, 35c.

Hydrangea Otaksa, 6-7 in. pots pot-grown (only pot-grown will force successfully for Easter); price 25c, 30c, 50c to 75c.

Cineraria Grandiflora Hybrida, Aschmann's well-known strain, 2-in. pots, \$3.00 per 100. 4-in., 10c.

Dracena Brunsii, 25 to 30 in. high, 6-in. pots, 40c to 50c. Highly recommended for store and house decoration; stands heat cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6-in. pan 25c to 30c.

Cyclamen Grandiflora, best strain, 5-in., 35c; 4-in., 25c; 3-in., 15c, in bud only.

Kentia Forsteriana, in fine shape 6-in. pots, 30 35 40 45 in. high, 4-5 6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30 35 40 in. high, 5-5½ 6 7 in. pots, 5 6 7 years old \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high made up of 3 plants, 6 to 7 in. pots \$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high 20c to 25c.

Poinsettias, 4-in. pots, 25c.

Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Ferns for Dishes, big assortment, 2½-in. pots, at \$4.00 per 100.

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glaucia*. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.



Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½ 6-7 in. pots, 15 18 20 25 30 in. high, 3-4 5 6 tiers 2 3 4 5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elephant, 6 in. pot, 4 years old 4-5 6 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6 in. pot, 5 years old 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00 and what do you think a hilly terro 30 in. and over 5-6 7 tiers, worth \$1.00, for only \$1.25 to \$1.50.

Robusta Compacta, *Excelsa Glaucia*, 6 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each.

We also have the nicest *Araucaria Robusta Compacta* and *Excelsa Glaucia*, a house full, good enough to decorate the White House kings and emperors, bankers and merchants, suitable for the cosiest corners of their residences as well as the poor man's Christmas table, for only \$1.15 to \$1.50, worth double.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants,

1012 West Ontario Street, Philadelphia, Pa.

HIGH GRADE CUT FLOWERS

== ROSES ==

We are now cutting an especially excellent grade of **KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, BRIDESMAID** and **AMERICAN BEAUTIES** which for quality excel all others in the market.

CARNATIONS

We are cutting heavily in all the leading varieties of **Carnations** and can fill your orders at all times. If you are looking for the best in the market send your orders to us.



Our aim is to so satisfy you that you will never think of buying elsewhere. A trial order will convince you that our stock is of A1 quality and the best there is coming in the Chicago market. Send in your trial order now and become one of our satisfied customers. Watch what some of our customers have to say in one of our later ads.

No Order Too Large.

No Order Too Small.

No charge or Packing and Delivering.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone
Randolph 2758.

CHICAGO.

"The Busiest House in Chicago."

In placing your order for Christmas flowers you must be careful in ordering from the right source. We have better prospects this year of supplying your wants than ever before. We shall have a quantity of—

**Beauties, Poinsettias, Roses,
Carnations, Violets, Valley**

and everything that is seasonable. Write for our price list.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

Chicago.

The weather for the week has been very clear, and although very cold for the season, just about what the grower would like to get the best results. The sun has shone brightly and the houses have received as much sunshine as can be expected on these short days. This has kept the grade of stock up and the supply at present is fully adequate to the demand. The market is in about the usual condition for this season of the year. Society functions wane for a week or two before Christmas and the demand slackens, the buyers are spending their money on other things and their minds are intent upon the holidays. The florist hardly begins to feel the Christmas trade until a few days before the great day arrives, and then everything comes with a rush. The quality of the roses is all that could be asked and expected and some very fine blooms are coming into the market. The American Beauties are grand, and although the cut will be of good size, the early orders are being rapidly booked at the wholesale stores. Richmond are good and are bound to be in great demand, and the supply for the holidays will probably fall short of the call. Carnations are of first class quality but short in quantity. Some of the growers claim they are not cutting more than one-half their usual cut at this season, and it looks as if the demand next week would far exceed the supply. There are still some few chrysanthemums to be seen, but in no great numbers. Lilies, lily of the valley, Paper White narcissus, Roman hyacinths and stevia are all in good supply. The stock of violets has shortened up and the price advanced. Orchids are being received in larger quantities, but the price is steady. The Christmas plants are making a great show in the retail stores, and beautifully grown

Our Carnations Are Superior

That Is Why We Win So Many Prizes at Every Exhibition

AWARDED HIGHEST HONORS

**At Chicago, Milwaukee, St. Louis and Minneapolis
Flower Shows.**

Exhibition blooms for these shows were taken from our regular daily cut, which is the best in the Chicago market, all the same superior quality every day. That is why we please our customers. If you are not acquainted with us, send in a trial order. We guarantee satisfaction. We also have strictly High Grade **Roses, Sweet Peas, Valley, Violets, Greens, Etc.,** at Lowest Market Prices.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3473.

35-37 Randolph St., CHICAGO

begonias, cyclamen, poinsettias, ardisias and primroses make the stores look like flower gardens and the windows are resplendent with poinsettias and high colored plants. The Christmas greens are of good quality, some fine holly is seen and the boxwood is elegant, but some greens are scarce and the call of course is large.

NOTES.

Phil Foley, of the Foley Mfg. Co., says he usually looks for a little shading off in the business at this season but that this year seems to be an exception as the usual springtide pace keeps right on, his firm's bookings last week including orders from such widely separated points as Macon, Ga.,

Vancouver, New York city and Texas, and is now shipping material for the new Poehlmann range. Phil says he has a number of surprises up his sleeve for the trade in 1911 and everybody knows Phil has some sleeve.

The crops of roses and carnations at the J. A. Budlong Co.'s range were splendidly timed this year. The cut of Richmonds and Killarneys is very heavy for the season, and a good supply of these, as well as carnations, is assured for the holiday trade.

The Geo. Wittbold Co., 737 Buckingham place, is enjoying a brisk shipping trade and is filling a large number of orders for *Dracena fragrans*, *kentias* and *araucarias*.

BEAUTIES

We have a magnificent crop of long-stemmed Beauties for Christmas. Much the largest cut we ever have had for the holidays and the same quality as won First Prize at the Chicago Show the last two years.

Buy your Beauties from Us--Direct from the Grower--and be sure of fresh stock

Well packed to reach you in the best condition.

Christmas Price List

American Beauties

Specials 48 inch stems.....	\$12 00 per dozen
36 inch stems.....	10 00 per dozen
30 inch stems.....	\$8 00 to 9 00 per dozen
24 inch stems.....	6 00 per dozen
15 to 20 inch stems.....	4 00 to 5 00 per dozen
12 inch stems.....	3 00 per dozen

Rhea Reid	Per dozen
Specials extra long.....	\$5 00 to \$6 00
Good length.....	4 00
Medium.....	3 00
Short.....	1 50 to 2 00

Richmonds	Per 100
Extra long.....	\$25 00
Good length.....	\$18 00 to 20 00
Medium.....	12 00 to 15 00
Good short.....	10 00

Killarney and My Maryland	Per 100
Extra select.....	\$20 00 to \$25 00
Good length.....	15 00 to 18 00
Medium.....	12 00
Short.....	8 00 to 10 00

White Killarney, Maids, Brides and Perles	Per 100
Extra long.....	\$15 00
Good length.....	12 00
Medium.....	10 00
Short.....	\$6 00 to 8 00

Carnations

	Per 100
Extra long red (Bassett).....	\$15 00
Good length red (Bassett).....	12 00
Extra long fancy white.....	10 00

Harisil Lilies.....per doz. \$2 00; per 100, \$16 00	
Narcissus Paper White , per 100.....	4 00
Lily of the Valley , per 100.....	\$ 3 00 to 4 00
Asparagus , per string.....	60
Asparagus , sprays, per 100.....	3 00 to 4 00
Sprengerl , per 100.....	2 00

	Per 100
Extra long fancy Enchantress.....	8 00
Winsor.....	6 00

Ferns , per 1000.....	2 00
Select pink and white Sweet Peas , per 100.....	1 00
Smilax , per doz.,.....	\$1 50 to 2 00
Adiantum , per 100.....	1 00
Galax , green, per 1000.....	1 00
Galax , bronze, per 1000.....	1 00

Bassett & Washburn

Office and Store: 76 Wabash Ave., CHICAGO.

Greenhouses: HINSDALE, Ill.

Are You Provided For?

Every indication points to a scarcity of Roses and Carnations for Christmas. We can take care of you if you will get your orders in early.

We are receiving a fine grade of Richmonds, Killarneys, Maids, Brides and Beauties. Fancy Carnations, Paper White, Mignonette, Double and Single Violets, and all other Flowers in season. All Orders billed at market prices.

Send in your order early. We will fill it to your satisfaction.

ZECH & MANN,

WHOLESALE FLORISTS,
Long Distance Phone Centr-13284
51 Wabash Ave.

Chicago

P. M. Palez, of Vestal's, Little Rock, Ark., was in town this week, looking up holiday stock, the same old dynamo of industry and cheerfulness. Laughter still rings through southern woods, violets still bloom in rank profusion on the banks of the Arkansas river, the genial current of the Palez Soul remains unfrozen, but he sings no more in churches. The chill, unthawing northerner cannot understand the incompatibility of church choirs and wanton joyousness.

Philip C. Schupp, the manager at the store of J. A. Budlong Co., is the possessor of a collection of Indian weapons and utensils of the Chicago region, which is probably the most complete in existence. This collection was an important exhibit at the meeting of the Chicago Historical Society held December 13 and was kindly loaned to the society by the owner.

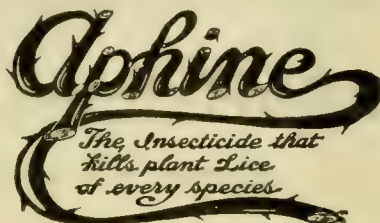
Miss Helen Kruchten died December 8 at her home at the age of 24 years. The funeral was held Sunday, December 11; the interment was at St. Henry cemetery at High Ridge. The young lady was a cousin of John Kruchten and a relative of Peter Reinberg. The funeral was largely attended and the floral offerings were very numerous and beautiful.

The Chicago Carnation Co. is receiving a fancy grade of carnations in all the leading varieties. Manager Pyfer has been calling on a few of the large growers on the local market the past week and has booked a number of orders for rooted cuttings of Washington, this firm's new carnation.

Hoerber Bros. cut the first stock in their new range of houses this week and are now receiving a larger quantity than ever before. Killarney and White Killarney roses are fine and Richmond extra good. Harry Mannheim, the manager at the store, reports tip top business.

Bassett & Washburn are finding ready sale for their American Beauty roses which are of A 1 quality and mostly of a long stemmed grade. They are receiving much praise from their customers in regard to the quality and the condition in which they reach their destination.

B. E. Eldredge of Belvidere intends to increase his greenhouse plant from 90,000 to 130,000 square feet of glass in the near future. Mr. Eldredge is the president of the Eldredge Sewing Machine Co. of this city which manufactures a machine which he originated.



Is Proving as Successful as It Is Now Well Known.

You can depend on it for positive results without fear of failure or dissatisfaction.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

\$2.50 per gallon; \$1.00 per quart.

"FUNGINE"

An Infallible Remedy for Mildew and Other Fungus Diseases

A clean, safe and easily applied fungicide which does not stain the foliage. Used as a spray at 1 part to 50 parts water.

Particularly adapted for use in greenhouses against Mildew on Roses, 'Mums, etc.

\$2.00 per gallon; 75c per quart.

MANUFACTURED BY

APHINE MANUFACTURING CO.,

Madison, N. J.

Due to increasing business, the firm of Percy Jones has leased the entire second floor of the Fairbanks building and will take possession May 1, 1911. Mr. Van Gelder informs us that he has secured a three-year lease for which they paid \$12,900.

A sale of a single 100-pound crate of bulk bouquet green was made by a commission man to a maker of wreathing for \$19, December 8, a new high record. At that the buyer figured that he could make a profit of \$25 on winding the stock.

Mrs. K. N. Cooper of the Auburn-dale Goldfish Co., 920 West Randolph street, returned December 3 from a business trip to St. Louis and Springfield. This firm is giving to its customers this year, in place of a calendar, a large-sized gold fish for a fountain display.

John Kruchten is enjoying a very busy season. The shipping trade last week was very good and exceeded that of the month before. This firm is looking for consignors to secure sufficient stock to fill the many orders received.

Merry
Christmas

J. A. BUDLONG

Roses and
Carnations
A Specialty.....

37-39 Randolph Street, CHICAGO.

WHOLESALE
GROWER of

CUT FLOWERS

Happy
New Year

Long Distance Phone Central 3120.

WE OFFER FOR CHRISTMAS

ROSES and CARNATIONS

of exceptionally good quality, as well as **OUR OWN VALLEY**, of which we shall have a continuous supply.

CHRISTMAS PRICE LIST

In Effect on
Monday, Dec. 19th.

American Beauties

	Per doz.
Specials	\$12 00
36-inch	10 00
30-inch	9 00
24-inch	8 00
20-inch	6 00
18-inch	5 00
15-inch	4 00
12-inch	3 00
Short stem	\$1 00, \$1 50; 2 00

Richmonds

	Per 100
Extra long	\$20 00 to \$25 00
Select	15 00 to 20 00
Medium	12 00 to 15 00
Short	8 00 to 10 00

White and Pink Killarneys

	Per 100
Extra long	\$20 00 to \$25 00
Select	15 00 to 20 00
Medium	10 00 to 15 00
Short	6 00 to 10 00

Jardines, Marylands and Fields

	Per 100
Extra long	20 00 to 25 00
Select	15 00 to 20 00
Medium	10 00 to 15 00
Short	6 00 to 10 00

ROSES, Our Selection

\$6.00 per 100

We shall have to offer some **Very Fine Specials** of **Richmond, Maryland, Jardine, White Killarney and Pink Killarney**, which will be billed accordingly. Also plenty of all other seasonable stock.

NOTE:—In submitting above prices we aim to foretell as near as possible such prices as we believe will be in order for the occasion, thereby making them **subject to change without notice**, for should a decline in price take place we assure you of receiving its benefit. We also desire that you place your orders early. Don't wait until the last minute only to learn that stock is well ordered up.

Owing to lack of time during holidays, orders from new customers should contain suitable references, for should your name not be rated in the agencies, shipments will be sent C. O. D.

Store open from 7.30 a. m. until 6 p. m., closing Sundays and holidays at noon.

Maids, Brides and Kaiserins

	Per 100
Select	\$12 00 to \$15 00
Medium	8 00 to 12 00
Short	6 00 to 8 00

Carnations

	Per 100
Extra fancy red	\$10 00
Fancy	\$8 00 to 10 00
Good	5 00 to 6 00
Common and splits	3 00 to 4 00

Decorative Stock

ASPARAGUS PLUMOSUS	per string, \$ 50 to \$ 60
"	per bunch, 50 to 75
" SPRENGERI	per bunch, 35 to 50
ADIANTUM	per 100, 1 00 to 1 50
SMILAX	per doz., 1 50 to 2 00
LEUCOTHOE	per 100, 75
GALAX	per 100, 1 00 to 1 50
BOXWOOD	per bunch, 35 to 50
FERNS	per 1000, 2 00

Miscellaneous Stock

HARRISII	per doz., \$1 50 to \$2 00
CALLAS	per doz., 1 50 to 2 00
MIGNONETTE	per doz., 60 to 1 00
VALLEY	per 100, 3 00 to 5 00
VIOLETS, Singles	per 100, 2 00
" Doubles	per 100, 2 00 to 2 50
SWEET PEAS	per 100, 1 50 to 2 00
NARCISSUS	per 100, 3 00 to 4 00



PARTIAL VIEW OF OUR GREENHOUSES AT WESTERN AND BERWYN AVES., CHICAGO.

Christmas

Means a Big Business
and Large Profits

IF YOU ARE THERE WITH THE GOODS

You will not get either unless you have the right stock at the right price. We can supply you if you will let us know what you want.

JOHN KRUCHTEN,

Wholesale Florist,
L. D. Phone Central 6269

**51 Wabash Ave.,
Chicago.**

T. Matchen, the genial and able manager at Peter Reinberg's store, is a fine entertainer and a well posted guide to have in visiting the large range of glass of the concern with which he is connected.

The Killarney, White Killarney, Richmond, Bride and Bridesmaid roses that Zech & Mann are receiving at the store are exceptionally good. This firm is also handling a fancy grade of lillies and carnations.

J. B. Deamud Co. expect to have a good supply of grand stock for the holiday trade. The first yellow trumpet narcissus on the market made their appearance at this house during the week.

Vaughan & Sperry are disposing of an extra fine grade of American Beauty, Killarney and White Killarney roses. A fine grade of mistletoe was seen at the store this week.

Poehlmann Bros. Co. are well supplied with a large quantity of stock for the holiday trade. American Beauties are fine and Killarney and White Killarney extra good.

Wietor Bros. are cutting very fine roses. The long stemmed American Beauties are magnificent, the Killarney and White Killarney are also in splendid condition.

Frank Kral, 1907 Halsted street, informs us that his little son, Richard, who broke his right arm about two weeks ago, is getting along nicely.

Weiland & Risch are cutting a fine grade of carnations and the Killarney and White Killarney roses are remarkably good.

Raichart & Krejci, 3250 West Twenty-sixth street, are selling a number of Christmas trees to the residents of the West Side.

The Raedlein Basket Co., 713 Milwaukee avenue, is filling a large number of orders for baskets for the holiday trade.

Mrs. N. C. Moore of the Flower Growers' Market is handling as fine a grade of stevia as is seen in the market.

O. Johnson of the Flower Growers' Market is receiving a quantity of American Beauty roses of good quality.

Our attention was attracted to a large quantity of sweet peas at the Chicago Rose Co.'s store this week.

The American Beauty, Killarney and White Killarney roses that Geo. Reinberg is cutting are of A-1 quality.

J. F. Klimmer passed away December 12 after a protracted illness. See obituary elsewhere in this issue.

Clark W. Johnson, formerly known to the trade of this city, is reported in legal trouble in Indiana.

Peterson's Nursery has given the contract for its new propagating house to the Foley Mfg. Co.

Chas. W. McKellar received a large shipment of cattleyas and other orchids December 15.

WEILAND & RISCH
WHOLESALE
GROWERS AND SHIPPERS
CUT FLOWERS
IMMEDIATE DELIVERIES
59 WABASH AVE.
CHICAGO
PHONE CENTRAL 879

CHRISTMAS PRICE LIST.

	Per 100		
Killarney, Special...	\$25 00	Sweet Peas.....	per 100. \$2 00
White Killarney, Fancy \$18 00 to 20 00		Adiantum.....	per 100. \$1 00 to 1 50
My Maryland, Medium.. 12 00 to 15 00		Smilax.....	per doz. 2 00
Richmond, Short..... 10 00		Sprenger.....	per 100. 3 00 to 4 00
ROSES, Short, our selection, per 100, \$8.00		Plumousus, strings.....	each. 65 to 75
Carnations, fancy.....	\$8 00	Ferns fancy.....	\$1 75 per 1000; 25c per 100
select.....	6 00	Galax.....	\$1 50 per 1000; 20c per 100
ordinary.....	5 00		
Violets, double.....	2 00 to 2 50		
single.....	2 00		
Harrisii and Calla Lilies, per doz., \$2 00			
Valley.....	4 00 to 5 00		
Roman Hyacinths and Narcissus 4 00 to 5 00			
Mignonette.....	6 00 to 8 00		

Subject to Market Changes.

ORCHIDS

For Christmas

I will have a fine stock of Cattleyas, Cypripediums, Vandas, Oncidium and other Orchids, Gardenias, Fancy Valley, Violets, Beauties, all other Roses, Carnations, and all Seasonable Decorative Stock and Supplies.

Send for Price List.

CHAS. W. MCKELLAR

51 Wabash Avenue.

CHICAGO.



XMAS STOCK

Mistletoe, Every Spray selected, 25-lbs., original case, \$5.00
10-lbs. \$2.50

You Can Get it Here; Don't Look Further

Boxwood, fancy stock, 25c per lb. 50-lbs., \$7.50

Leucothoe Spays, 75c per 100; Mexican Ivy, 75c per 100

Bronze Magnolia Leaves, \$2.75 per Hamper.

Am. Beauties, Our Leaders, Mostly Long Fancy Stock

Killarney

Both White and Pink.

Are arriving in splendid condition Never before have we received such a fancy grade as we offer now.

Carnations

A fancy grade of all the leading varieties is included among the daily shipments and equal any now in the market.

Send Your Xmas Orders to Us. We will Fill it to Your Satisfaction.

Price List

AMERICAN BEAUTIES		Per doz.
Long stems.....		\$12 00
30 to 36-inch stems.....		10 00
24 to 30-inch stems.....		9 00
20 to 24-inch stems.....		8 00
15 to 20-inch stems.....		6 00
12-inch stems.....		3 00
		Per 100
Richmond, fancy.....		\$25 00
Select.....	\$18 00 to	20 00
Medium.....	12 00 to	15 00
Killarney, fancy.....		25 00
Select.....	18 00 to	20 00
Medium.....	12 00 to	15 00
Bridesmaid, special.....	15 00 to	18 00
Medium.....	10 00 to	12 00
Bride, special.....	15 00 to	18 00
Medium.....	10 00 to	12 00
My Maryland, select.....		25 00
Medium.....	12 00 to	15 00
ROSES, our selection.....		8 00
CATTLEYA LABIATA,		
per doz.....	\$12 00	
Carnations.....	6 00 to	8 00
Red.....		10 00
Valley.....	4 00 to	5 00
Violets.....	1 50 to	2 00
Sweet Peas.....	\$1 00 to	\$2 00
Easter Lilies.....	15 00 to	18 00
Sprenger!.....per bunch	35 to	50
Asparagus plumosus,		
extra quality per bunch	50 to	75
Fancy Ferns, per 1000.....		2 00
Wild Smilax.....per case..		5 00
Boxwood, 25c per lb.; 50 lbs..	\$7 50	
Mistletoe.....per lb.		25
Original case of 25 lbs.		5 00

Green Goods

Mistletoe, Boxwood, Ferns, Leucothoe and Mexican Ivy.

Mistletoe

Our Mistletoe is extra fine and the best that money can buy. Send in your orders now.

Plenty of it.

Plenty of all Other Seasonable Stock

Besides the above mentioned varieties of roses, we have an exceptionally good grade of Richmond, Bride and Bridesmaid roses.

VAUGHAN & SPERRY

Long Distance Phone, Central 2571.

52-54 Wabash Avenue, **CHICAGO.**

WIETOR BROS.

51 Wabash Avenue, CHICAGO

WHOLESALE GROWERS OF

Cut Flowers

WE ARE IN FULL CROP

For Christmas

Large Supplies of Beauty, Killarney, Richmond, Jardine,
White Killarney, Bride, Maid, Uncle John, Perle

We have all the
Standard and
Best New

CARNATIONS

and can supply
the best grade
in quantity

... Christmas Price List ...

AMERICAN BEAUTY—	Per doz.
Extra long stems.....	\$12 00
36-inch stems.....	10 00
30-inch stems.....	9 00
24-inch stems.....	8 00
20-inch stems.....	6 00
18-inch stems.....	4 00
15-inch stems.....	3 00
12-inch stems.....	2 00
8-inch stems.....	1 50
	Per 100
Bride, fancy.....	\$15 00
Good.....	8 00 to 12 00
Bridesmaid, fancy.....	15 00
Good.....	8 00 to 12 00
Killarney, extra fancy.....	20 00 to 25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
White Killarney, fancy.....	20 00
Good.....	8 00 to 15 00

	Per 100
Mrs. Jardine, extra fancy.....	\$20 00 to \$25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
Richmond, extra fancy.....	20 00 to 25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
Uncle John, fancy.....	15 00
Good.....	8 00 to 12 00
Perle.....	10 00 to 15 00
Roses, Our Selection.....	6 00
Carnations, fancy red.....	8 00
Extra fancy Enchantress.....	7 00
Extra fancy white.....	6 00
Good.....	4 00 to 5 00
Valley.....	4 00 to 5 00
Adiantum.....	1 00
Sprengerl.....	per bunch, \$0.50 to \$0.75
Ferns.....	per 1000, 2.00
Galax.....	1.00 to 1.50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Fred Klingel, the bookkeeper at John Kruchten's, was confined to his home the past week with the grip.

A. Richter of Sturgis, Mich., spent a few hours in the city on business December 8.

Mrs. Hartung, wife of Geo. C. Hartung, the Kensington florist, is dangerously ill.

Sinner Bros. are cutting a choice grade of roses and carnations.

Visitors.—A. Richter, Sturgis, Mich.; J. A. Evans, Richmond, Ind.; F. E. Monjonnier, with the Walla Walla Floral Co., Walla Walla, Wash.; P. M. Palez of Vestal's, Little Rock, Ark.

Chicago Bowling.

On December 7, the Carnations won three games from the Violets and the Orchids two from the Roses. Ernest Farley bowled a score of 267 a few weeks ago and made the high score of the week, winning the prize offered. The following table shows the number of games won by each team to date:

Won.	Lost.	Won.	Lost.
Orchids .....18	9	Roses .....13	14
Carnations ...15	12	Violets .....8	19

The following table shows the individual and team scores for games played December 7:

Orchids.		Carnations.	
Huebner ...148	136 143	Krauss ...130	143 149
Farley ...212	166 195	Winterson 142	140 131
Graff ...189	157 165	Goerisch ...165	144 173
Degnan ...175	215 166	Schultz ...160	156 140
Zech ...169	140 172	A. Zech...183	173 156
Totals...893	808 841	Totals...780	756 754
Roses.		Violets	
Wolf ...160	131 116	Vaughan ...210	134 200
Johnson ...154	211 154	Liebm'n 104	132 88
Byers ...119	143 173	Friedman 149	139 137
Kruchten 120	140 176	Lorman ...155	124 127
Fischer ...210	189 157	Yarnall ...145	226 149
Totals...763	814 826	Totals...763	755 701

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 14.	
Roses, Beauty, extra select...	12 00
" " 36 in	10 00
" " 30 in	9 00
" " 24 in	8 00
" " 18 in	5 00
" " 15 in	4 00
" " Short... per doz	1 00@ 2 00
Per 100	
Bride, Bridesmaid, select..	15 00@18 00
medium	12 00@15 00
Killarney, select.....	25 00
medium and short	10 00@15 00
Kaiserin.....	3 00@10 00
Mrs. Jardine.....	6 00@20 00
My Maryland.....	10 00@25 00
Perle	8 00@15 00
Richmond	10 00@25 00
Uncle John.....	6 00@15 00
White Killarney, select...	25 00
medium	12 00@15 00
Carnations.....	6 00@ 8 00
fancy.....	10 00
Bouvardias.....	5 00@ 6 00
Chrysanthemums...per doz.,	2 00@ 3 00
Cattleyas.....per doz.,	12 00
Cypripediums.....	2 00@ 2 50
Gardenias.....per doz.,	4 00@ 5 00
Dendrobium Formosum	6 00
Lilium Harrisii.....	15 00
Lily of the Valley.....	4 00@ 5 00
Narcissus.....	3 00@ 4 00
Phalenopsis.....	12 00
Stevia.....	1 00@ 1 50
Sweet Peas.....	1 50@ 2 00
Violets.....	1 50@ 2 50
Adiantum.....per 100,	75@ 1 50
Asparagus Plum, strings, each,	60@ 75
sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Boxwood.....	15 00
Ferns.....per 1000,	1 50@2 00
Leucothoe.....	75
Mexican Ivy.....	75@ 1 00
Mistletoe.....per lb.,	25
Smilax.....	1 50@ 2 00
Wild Smilax.....per case,	5 00

Miss Then Fells Thieves.

How to catch a robber.

Take a carnation, a dash of roses, a pretty girl with natural blooms in her cheeks, a big policeman and plenty of determination on the part of all concerned, mix well together and bake in a warm police station.

That's the very combination that led Miss Josephine Then, daughter of Anton Then, a florist at 2239 Winne-mac avenue, into a robber chase today that ended in the arrest of two men she declares robbed her father's store of \$100 worth of cut flowers.

Miss Then started out from her home, 2333 Hamilton court, early today, determined to catch the flower thieves. She began making the rounds of flower stores, and at State and Van

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our own greens and bring by boat direct, Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery

Schooner ROUSE SIMONS, S.W. cor. Clark St
H. Schuenemann, Capt. Bridge, CHICAGO

BE YOUR OWN COMMISSION MAN

— AT THE —

Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager

Buren her search was rewarded. She saw two men trying to sell some flowers to the proprietor.

"Those are stolen flowers. I know that those carnations in the bunch were raised by my father, as they are the only ones of their kind in Chicago, and are seedlings," said Miss Then. She called a policeman, and the two men were arrested. The prisoners are Joseph Schals, 5843 Central street, and Julius Gunther, 320 Clark street. The latter is said to have been formerly employed by Then.—Daily Newspaper.

BOXWOOD

\$12.50 per 100 lbs.

In 50 and 100 lb. cases. Superior in quality to that handled by any other dealer.

Wild Smilax

\$4.50 per case.

Holly

\$4.50 per case.

Mistletoe

10-lb. basket, \$2.00.

WHOLESALE CUT FLOWERS

Ferns, Green and Bronze Galax, Leucothoe

Place your order with us and we guarantee satisfaction. Remember we are not in business for Christmas only, but for every day in the year.

PITTSBURG FLORISTS' EXCHANGE, 15 Diamond Square. PITTSBURG, PA.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

Philadelphia.

SUPPLY SHORTER.

The snowstorm of last week has lengthened out and real winter has set in, the thermometer registering a temperature of almost zero last Friday and Saturday in the country districts and there is also a foot of snow. Such weather conditions have shortened the crops up very perceptibly and prices have stiffened accordingly. The demand has fallen off a little as is usually the case the early part of December, although there has been considerable work for the coming out teas and a few fashionable weddings. Carnations appear to be the scarcest item in the cut flower line and anything worth having brings five to six dollars, with specials considerably above these figures. The rose stock promises to be of fine quality for the holidays, particularly in American Beauties, Richmonds and White and Pink Killarneys, as the flowers show great improvement over that of a few weeks ago. Lily of the valley is more plentiful and is used extensively. Cattleyas are still scarce and in good demand at top prices; cypripediums about equal the demand.

NOTES.

The vases of new roses from the meeting of the Florists' Club exhibited by the E. G. Hill Co. of Richmond, Ind., were shown the next day at Pennock-Meehan's and a number of the rose-growers who were not at the meeting called to see them. There were vases, of fifty flowers or over, of each of three varieties, Mrs. Aaron Ward, Rose Queen and Sunburst. The latter two were particularly fine and called forth the admiration of all who saw them. Rose Queen is a very fine large flower of a Caroline Testout color, with a good long stiff stem; it is beautiful in form in all stages from a bud to the open flower, although many of the flowers were from three to four days old they were in splendid color and condition. The Sunburst is a beautiful flower of coppery shades of yellow, not so double as Perle or Sunset but with

Wholesale Flower Markets

PHILADELPHIA, Dec. 14.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz., 2	00@3 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Dec. 14.		Per 100
Roses, Beauty, special.....	25 00@35 00	
" extra.....	15 00@ 0 10	
" No. 1.....	10 00@12 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Chatenay.....	3 00@12 00	
" Killarney.....	3 00@12 00	
" My Maryland.....	3 00@12 00	
" Richmond.....	3 00@12 00	
Carnations.....	3 00@ 5 00	
Chrysanthemums.....	3 00@25 00	
Cattleyas.....	75 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Paper Whites.....	4 00	
Romans.....	4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengerii, per bunch, 50		
" strings.....per string, 50		
" sprays.....per bunch, 50		
Smilax.....	15 00	

strong stems and a large flower, the bud being long and full before it opens. Mr. Hill has two winners in these new ones, which are sure to increase his already famous name as a rose breeder. What a genial whole-souled man is Mr. Hill and what great good he has done and is doing for the trade both in this country and Europe. His enthusiasm is contagious; one cannot listen to his interesting talks of his work and the good results of his careful study and scientific handling of the many varieties he uses in his work, without recognizing him as a genius and one of the most successful hybridizers of the present day.

We are strong on **GOOD**

Beauties Violets and Stevia

THE McCALLUM CO., Inc.
PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co., The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

The Leo Niessen Co. says the stock of roses for the holiday trade will be the best this firm has ever handled. The advance orders indicate a very large business.

The Pennock-Meehan Co. are strong on gardenias, a splendid stock being seen here every morning. There seems a good demand as they go out almost on arrival.

Habermehls' had a gorgeous window display last week, callas and poinsettias being seen in splendid arrangement.
K.

The Prettiest Christmas Decorative Material Known.

SPRAYS BOXWOOD SPRAYS

Direct from Southern Plantations

Bright, green, fresh. High quality stock. Clean sprays. We ship thousands of pounds from coast to coast.
Procure our price before ordering.3 Bushel
Sack, \$1.50.

GREEN FANCY SHEET MOSS

We guarantee this stock to be the best that can be obtained.

3 Bushel
Sack, \$1.50.

PITTSBURGH CUT FLOWER COMPANY,

121 Seventh St., Pittsburgh, Pa.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

FLOWERS SCARCE.

All flowers are scarce in the markets, but the demand is not large, and consequently the growers are able to dispose of what they bring in each day, at very good prices. The quality is of the usual excellence, although the of the usual excellence, although the chrysanthemums are not of the best quality and do not sell as readily as other flowers. There is a universal complaint among the violet growers that they are not picking as many as usual at this time of the year. They think it is the result of the long dry spell last summer, and the frosts having held off so long this fall. The growers of plants for the Christmas trade are beginning to show their samples, and another week will make quite a difference in the looks of the retail stores and the flower market benches, which now look almost empty after the morning trade is over.

NOTES.

Considerable interest is being taken in the National flower show, which is to be held March 25-April 1. The entire Mechanics' building has been engaged, and over ten thousand dollars will be offered in premiums, and it is expected that prominent florists and growers all over the country, as well as the private gardeners, will compete in the trade exhibits. Greenhouse construction, pottery, fertilizers and garden supplies will all be represented by the prominent dealers and much space has already been taken. It is said that a number of leading concerns are going to a great expense in their exhibits, three, in particular, involving an outlay of nearly five thousand dollars each. These will present a typical Holland or Dutch garden, an old English garden and an Italian garden.

H. C. W.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Dec. 14.		Per 100
Roses, Beauty, best	35 00@50 00	
" " medium	20 00@25 00	
" " culls	4 00@ 5 00	
" " Bride, Bridesmaid	2 00@ 6 00	
" " " Extra	6 00@ 8 00	
" " Killarney and Richmond	4 00@10 00	
" " My Maryland	2 00@10 00	
" " Carnot	4 00@ 8 00	
Carnations, select	2 00@ 3 00	
" " fancy	3 00@ 4 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@35 00	
Gardenias	25 00@ 5 00	
Lilium Longiflorum	8 00@10 00	
Lily of the Valley	2 00@ 4 00	
Violets	75@ 1 00	
Smilax	12 00@16 00	

ST. LOUIS, Dec. 14.		Per 100
Roses, Beauty long stems	30 00@40 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@ 4 00	
" " Bride, Bridesmaid	5 00@ 8 00	
" " Killarney	5 00@ 8 00	
" " My Maryland	5 00@ 8 00	
" " Richmond	5 00@ 8 00	
Carnations	4 00@ 5 00	
Easter Lilies	10 00@12 50	
Adiantum	1 25	
Asparagus Sprengeri	2 00@ 3 00	

CINCINNATI, Dec. 14.		Per doz.
Roses, Beauty	1 00@ 6 00	
" " Bride, Bridesmaid	2 00@ 8 00	
" " Golden Gate	2 00@ 8 00	
" " Killarney	2 00@ 6 00	
" " Richmond	2 00@ 8 00	
" " Pres. Taft	3 00@ 8 00	
Carnations	3 00@ 6 00	
Callas	10 00	
Chrysanthemums	15 00@25 00	
Lilium Longiflorum	12 50@15 00	
Narcissus Paper White	4 00@ 4 00	
Lily of the Valley	3 00@ 4 00	
Adiantum	1 00@ 1 50	
Asparagus Sprengeri, per bch.	25	

MILWAUKEE, Dec. 14.		Per doz.
Roses, Beauty	1 00@5 00	
" " Bride, Bridesmaid	3 00@ 8 00	
" " Killarney	3 00@10 00	
" " Richmond	3 00@10 00	
" " Perle	3 00@ 8 00	
Carnations	3 00@ 6 00	
Lilium Giganteum	2 00	
Lily of the Valley	4 00	
Snapdragon	4 00@ 6 00	
Violets	1 00@ 1 50	
Adiantum	1 00@ 1 50	
Asparagus	50	
" " Plumosus, per bunch	35	
" " Sprengeri	35	
Ferns, Fancy	2 00	
Galax	1 50	
Smilax	1 75	

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones, Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of CUT

FLOWERS and Jobbers of

FLORISTS' SUPPLIES.

Columbus, Ohio

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies

Dagger and fancy Ferns \$1.00 per 1000. Green and bronze Galax, 90c per 1000; by the case, \$7.50. Boxwood, 50-lb case \$7.00; by the lb., 25c. Laurel Wreaths, 10 inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14 inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

Badgley, Reidel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th Street, Phone 1664 } Madison Sq. NEW YORK
1665 }

Everything in the Line of Cut Flowers. Roses and Carnations of all Varieties.

Poinsettias, Lilies, Cyripediums, Violets, Valley, Hyacinths, Narcissus, Plain and Variegated Stevia, Adiantum, Smilax and Asparagus in strings and bunches.

Special attention given to all out-of-town orders and satisfaction guaranteed.

PERSONAL SELECTION OF ALL ORDERS

All growers will find here a cordial welcome, with every office facility and comfort while in the city.

OUR CHRISTMAS OFFER

Goldfish! Goldfish!

You have been wanting to know where you could buy them

THE AUBURNDALE GOLDFISH CO.

920 West Randolph Street Chicago

Largest and only exclusive wholesale goldfish concern in the U. S. handling goldfish and all aquarium supplies, calls the attention of Florists to the following Special Offer, as a starter:

4 Dozen ½-gallon Globes, 20c
4 Dozen Boxes Fish Food, sell at 10c
4 Dozen Aquarium Castles, sell at 10c
4 Dozen Sea Moss

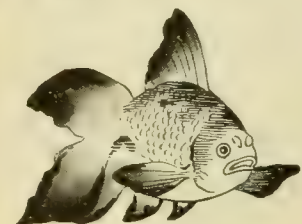
4 Dozen Instruction Sheets, how to care for goldfish; ½-gallon Pebbles; One Dip Net; One hundred Goldfish. 10c each.

Our Price, \$10.50

Your Profit, \$18.70

Do you want our Catalog? Goldfish from \$2 00 per 100 up Japanese Fish.

TELEPHONE
HAYMARKET 152



WE ARE ALWAYS BUSY, AND
ALWAYS READY FOR MORE

—CONSIGNMENTS SOLICITED—

A. L. YOUNG & CO.

WHOLESALE FLORISTS,

54 West 28th St.

NEW YORK.

Telephone 3559 Madison Square.

New York Florists' Club.

The meeting of the Florists' Club, which was held December 12, being the annual election of officers, brought out a large attendance, there being upward of 75 members present, with President A. L. Miller in the chair. After the minutes of the previous meeting had been read and adopted, P. O'Mara, as chairman of the committee appointed to further horticultural affairs at the state capitol, particularly in getting an appropriation of \$50,000 to construct greenhouses for an experiment station, reported progress and urged that every club member get in touch with his district representative and bring all possible weight to bear in order that when the bill comes before the authorities at Albany, providing for the appropriation, it may be passed.

F. R. Pierson, commenting on the passage of the proposed bill, advised that a delegation of members go to Albany and confer with the legislative committee who will have charge of the bill before it is finally presented to the house of representatives.

Frank H. Wilshire and J. F. Slinon were elected members of the club, both gentlemen being called to the platform and introduced by the president.

The outing committee were discharged with the thanks of the club by a standing vote, H. A. Bunyard, chairman of that committee, responding.

E. G. Hill, Richmond, Ind., was present and gave a short talk on the newer roses. He referred modestly to the varieties he had brought with him, and which were on the exhibition

tables, and told something of their pedigrees and their general demeanor as forcing roses. He deprecated the fact that retailers were not so diligent in obtaining and placing new roses before the general public as they might be. He drew attention to the European methods of eliminating the unsatisfactory new varieties. He spoke feelingly of the dangers that attended a western man when visiting New York, from over-eating. Quite a discussion on the merits of various roses for bedding purposes followed Mr. Hill's remarks, participated in by R. Schultze, W. A. Manda, P. O'Mara, F. R. Pierson, R. Simpson and others.

President Miller appointed C. B. Weathered, F. H. Traendly and H. A. Bunyard as a committee to draw up suitable resolutions on the death of F.

The Raedlein Basket Co.

713 Milwaukee Ave. near Huron St., CHICAGO.

Christmas Baskets.

All the latest designs and novelties for the Holiday Trade. Our Pot Covers and Plant Baskets will double the value of your plants and increase your sales. Come and look over our display at once.



Send for Our Special \$5 00 and \$10.00 Holiday Offer.



Order Now

Call and see us. Send for free catalogue.



:: Fancy Baskets. ::

If you have not already placed an order with us you should do so immediately and reap the benefit of the Holiday Trade.

Our Baskets are very pretty and sell at sight.

Many florists have already sold their first order and have bought more. We are at all times pleased to show you our stock.

A. Manda, a brother to three of our respected members.

For the election of officers President Miller appointed W. F. Sheridan judge of the election, W. Duckham and J. Fenrich tellers. When the votes were all in it was found that the election had resulted in the choice of:

John B. Nugent, Jr., president.

H. A. Bunyard, vice-president.

John Young, secretary.

W. C. Rickards, treasurer.

F. H. Traendly, Chas. H. Totty and Charles Weber, trustees for two years.

To fill the unexpired term of H. A. Bunyard, resigned owing to being elected vice-president, T. S. Hendrickson was elected trustee for one year.

The voting for the president was very close indeed, J. B. Nugent, Jr. receiving 37 votes and J. A. Manda 36. On motion of Mr. Manda, the election of Mr. Nugent was made unanimous.

There was a splendid exhibition of flowers at the meeting. The E. G. Hill Co. showed the yellow rose Aaron Ward, which was awarded the thanks of the club; Sunburst, a beautiful yellow, and Rose Queen, a very decided and dazzling pink. The two latter each scored 90 points and were each awarded a preliminary certificate. F. R. Pierson staged two bunches of Imperial Killarney, a sport from White Killarney, a fine full flowered, pleasing pink color, for which he received a preliminary certificate. Chas. H. Totty showed two carnations, White House and Princess Charming, the former being granted a preliminary certificate, the latter having already been awarded the club's certificate was given the thanks of the club. Chas. Lanker was awarded a cultural certificate for an improved form of stevia, or perhaps it was eupatorium—botanists will have to decide. W. A. Manda received the club's thanks for an exhibit of red flowering begonias, a resultant of crosses between B. semper-

WM. P. FORD

WHOLESALE FLORIST

45 West 28th St.,

NEW YORK

FOR THE HOLIDAYS

I shall have a choice supply of

American Beauty Roses, Violets
and Other Seasonable Flowers

Phones: 1664-1665 Madison Square.

florens and an unnamed African species.

Chairman of the house committee J. B. Nugent, Jr., provided an elegant spread of turkey and trimmings which claimed attention from all and it was near midnight when the meeting adjourned.

BLOOMSBURG, PA.—The Bloomsburg Floral Co. are making a display of their floral products in the store of S. R. Bidleman.

RHINELANDER, WIS.—The greenhouses owned by Peter Phillip on North Brown street were partially destroyed by fire November 30.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago

New York.

COLD, WINTRY WEATHER.

We have been favored with some real winter weather, snow and wind in plenty, and Saturday, December 10, was the coldest day of the season so far, the thermometer registering 16°. Insufficient lining of paper to flower boxes was responsible for damage by freezing to some flowers on invoicing, so packers of cut flowers may be on their guard from now on. Supplies are not heavy by any means and it is just as well, as trade is not what may be called brisk at all. Flowering plants are coming more to the front, as the holiday season approaches, and, with so much of this nice stock available, and which makes such brilliant effects for display purposes, there is naturally a lesser demand for cut flowers. However, there is something doing every day and the fact that supplies in most lines are not heavy tends to keep prices fairly steady, if not very high. Roses of all kinds have a rather wide range in values, the price depending chiefly upon the number required, the extra and fancy grades sell the slowest. What demand there is seemingly calls more for the short grades. The incoming crop of carnations is only just about even with the demand consequently prices for these may be classed as quite firm. Cattleyas are still short in supply and there is little change in their value; some dendrobiums are coming in occasionally, for which 35 cents each is asked; cyrtipediums are selling very fair, good flowers being offered at \$12 per 100. Violets are plentiful enough and the demand is very erratic; they are going quite a little cheaper than they were one week ago. Paper White narcissus is one of the staples that are plentiful, too much so, in fact, and they are beginning to accumulate in the hands of the dealers. Lilies have made a slight advance over last week's figures. Callas are beginning to come in more numerous; there are various grades of them, however, and while some will fetch as high as \$2 per dozen, there are others that do not average more than 10 cents each. Lily of the valley seems slightly more plentiful and the price is somewhat weaker than one week ago. There is still a fairly heavy supply of white and yellow chrysanthemums; the pink varieties are scarce. For the big blooms prices remain about the same; small blooms are going decidedly cheaper. Sweet peas are not moving quite so well, especially the short-stemmed ones. Stevia, bouvardia, wall-flowers, marguerites, cut poinsettias and gypsophila are among the incidentals that are coming in, all of which are cleaned out at some figure or other. Asparagus in bunches is still meeting with the best call in the cut green line; smilax sells very slowly and there seems to be too much around.

NOTES.

One day last week Phil. Kessler, wholesale florist, received an invoice of a shipment of bulbs from Japan on S. S. Protesilaus, 66 cases in all. The invoice was followed by requests from a firm of customs brokers to handle the matter for him, but as Mr. Kessler is not in the bulb business, has never ordered any from any Japanese firm, has no use for bulbs any way, he is somewhat at a loss to know why such a shipment was consigned to him.

C. C. Trepel, the florist who has charge of the plant and flower de-

FRANK VALENTINE**Wholesale and
Retail Florist****Also Manufacturer of
Artificial Flowers**

158 East 110th Street, NEW YORK CITY

Bet. 3rd & Lexington Aves.

Tel. 5633 Harlem.

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

partments at Loesers and Bloomingdale's mammoth stores, has introduced a section devoted to Japanese miniature gardens and landscapes. A Japanese gardener is in charge of this work and many beautiful pieces are on exhibition. As a new feature it is proving quite a success.

Chas. H. Totty, Madison, N. J., who has been on a visit to the E. G. Hill Co., Richmond, Ind., speaks with a great deal of admiration of the new yellow rose Sunburst being grown by that firm. Mr. Totty is so much impressed by the rose that he has made arrangements to participate in its introduction to the trade, which will be in 1912.

A glance through the houses of the Keller Co., Bay Ridge, Brooklyn, revealed a splendid array of flowering and decorative plants just right for the holidays. Among the newer azaleas that is coming in grand form is Veraneana alba, a beautiful white and seemingly of splendid habit in every particular.

The well known greenhouses of Weirs, located at Senator street and Fifth avenue, Brooklyn, are now empty, and will be torn down within the next few days. The property has become very valuable for residential purposes, being in the very heart of the Bay Ridge district.

The final bowling games of the match series between Astoria and New York were played on the alleys of the latter mentioned club on Dec. 9, resulting in victory for the Astorians. Six games have been played in all, the Astoria team winning five of them.

E. G. Hill, Richmond, Ind., was a visitor this week; also J. A. Peterson, Cincinnati, Ohio, who has been showing to the trade his new begonia, Glory of Cincinnati, and Mr. and Mrs. W. Palmer, Buffalo, N. Y.

J. Fleischman opened a flower store in the Pennsylvania station on December 1. He is also increasing his floor space in the Hudson Terminal building by moving into one of the larger stores there.

The award committee of the New York Florist Club will visit Philadelphia in the near future to examine the new rose Melody that is being disseminated by S. S. Pennock-Meehan Co.

**Important
Announcement**

— o —

Growers Listen!

I can use every potted plant you have in my holiday trade.

Bring along at once everything you can spare that is good, and
"I will do the rest."

— o —

C. C. TREPEL,

—AT—

**LOESER'S BLOOMINGDALE BROS.
BROOKLYN. NEW YORK.**

Mention the American Florist when writing

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTSReceivers and Growers of Cut Flowers.
Consignments Solicited.**JOSEPH J. LEVY**

(Successor to John Seligman & Co.)

WHOLESALE FLORISTTelephone Madison Sq. 4878,
56 West 26th Street, New York

Mention the American Florist when writing

Frank Valentine, wholesale florist, 158 East 110th street, in addition to handling natural flowers does quite an extensive trade in the manufacturing of artificial blossoms also.

At the funeral of a prominent railroad magnate at Flushing, L. I., on December 13, A. Warendoff had the entire family order. It was a very big job.

A. T. Boddington, 342 West 14th street, reports a remarkable clean-up in all lines of bulbs; roses are arriving from England and the continent.

L. J. Reuter, Westerly, R. I., was in town this week and attended the club meeting, of which body he is a member.

W. G. Young was taken quite ill a few days ago at Bedford Hills, and had to be removed to his home at Clifton, N. J.

Mayor Phil. Breitmeyer of Detroit, Mich., is expected to visit New York within the next few days.

Young & Nugent,

Telephone 2065-2066 Madison Square
42 West 28th Street,
To out-of-town Florists
We are in the Heart of
And give special attention to steamer and Theater orders. Prompt
deliveries and best stock in the market.

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NEW YORK, Dec. 14.

Roses, Beauty, special.....	30 00@40 00
extra and fancy.....	15 00@25 00
No. 1 and No. 2.....	5 00@ 6 00
Bride, Bridesmaid, special.....	6 00@10 00
extra and fancy.....	5 00@ 6 00
No. 1 and No. 2.....	3 00@ 4 00
Killarney, My Mar. Ind. spl.....	6 00@10 00
extra and fancy.....	5 00@ 6 00
No. 1 and No. 2.....	2 00@ 4 00
Carnations.....	3 00@ 6 00
Cattleyas.....each.....	40@75c
Chrysanthemums.....per doz.....	60@3 00
Gardenias.....per doz.....	75@ 4 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Narcissus P. Wht.....	2 00@ 2 50
Roman Hyacinths.....	2 00@ 2 50
Sweet Peas.....per doz. bchs.....	75@ 1 50
Violets.....	35@ 75

BUFFALO, Dec. 14.

Roses, Beauty, special.....	40 00@50 00
fancy.....	30 00@35 00
extra.....	20 00@25 00
No. 1.....	10 00@15 00
No. 2.....	4 00@10 00
Bride Maid, Killarney.....	4 00@ 8 00
Kaiserin.....	4 00@ 8 00
Pres. Carnot.....	4 00@ 8 00
White Killarney.....	5 00@12 00
Carnations.....	2 00@ 5 00
Callas.....	10 00@12 00
Lilium Longiflorum.....	12 00@15 00
Lilium Speciosum.....	4 00@ 6 00
Lily of the Valley.....	4 00@ 5 00
Mignonette.....	3 00@ 4 00
Narcissus Paper Whites.....	2 50@ 3 00
Stevia.....	1 00@ 1 25
Sweet Peas.....	50@ 75
Violets.....	1 00@ 1 25
Adiantum Croweanum.....	75@ 1 50
Asparagus per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000.....	2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

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50-lb. case Extra Fine SMILAX

\$1.75 per case
QUALITY GUARANTEED
NEELEE PINES

2 to 4 ft., \$3.50 and \$4.00 per 100.

When in need of extra good Smilax
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PINE APPLE, ALA.

You can rest assured that all orders
placed with us will be filled to your entire
satisfaction.

Unknown customers, satisfactory refer-
ences or C. O. D



Buffalo.

CHRISTMAS STOCK.

Christmas activity with all and ideal
winter weather. Christmas plants are
in fine shape, more especially Gloire
de Lorraine begonia, poinsettias, prim-
roses, azaleas and cyclamen. All will
be in good flower. There seems to be
a big call for boxwood wreaths and
red trimming for windows, which are
very rich in fine stores.

NOTES.

The regular meeting of the Buffalo
Florists' Club was held December 6.
Considerable business of importance
was transacted regarding the past
flower show. All bills were audited
and the treasurer instructed to pay
them. The unanimous sentiment of
those present was to have another
show next year. Larger and to run
one week, the date to be picked out by
the special committee to be appointed
by the president. From the reports of
those present the Buffalo flower show
will be the event of the season from
the next one on.

All stores on Main street from Pal-
mer's to Scott's are more busy than
in other years with advance orders.

Miss Edith Christey, formerly with
A. L. Jones, Tonawanda, is now with
S. A. Anderson.

Store decorations are more numerous
than usual.

BISON.

UTICA, N. Y.—The greenhouse of
William Matthews at York and Warren
streets, caught fire on the morning of
December 1, the fire being found in
the partition near one of the boilers.
The damage to the building was slight
but considerable to a fine lot of carna-
tions which were in bloom.

I can always supply the best of everything
—in—

Cut Flowers Charles Millang

Wholesale Florist,
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Telephones, 7062 - 7063 Madison



FANCY FERNS, \$1.50 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50
Sphadnum Moss, large bales.....\$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per bunch, 35c; 50-pound case \$8.50
Lod Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

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Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist
business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

Select Holly

\$3 00 per case.

Sheet Moss.....per bbl., \$1.25

Laurel Stems.....per bag, 1.00

Laurel Branches.....per case, 2.50

Cash with order.

W. Z. PURNELL - - Snow Hill, Md.

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Gummed Gold, Silver and Purple Letters, Gold
and Purple Script Names for inscriptions on
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WATERBURY, CONN.—Miss Ethel At-
wood has taken a position with Dallas,
the florist.

BURLINGTON, VT.—The new store of
Mrs. C. E. Gove at 184 Main street
presents one of the most artistic ap-
pearances in the city. A new steel
ceiling and large plate glass mirrors
have been installed and the woodwork
finished in white enamel. A full as-
sortment of cut flowers is carried,
much of which is supplied from her
greenhouses at Shelburne road.

George Cotsonas & Co.

Wholesale and Retail Dealers
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Ferns, Bronze and
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Give us a trial. We know we can please you.

Gajdwell the Woodsman Co., Evergreen, Ala.

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\$5.00 per case.

Laurel Wreaths, \$2 50 per dozen and up.

Boxwood Wreaths, \$6 00 to \$18.00 per dozen.

Princess Pine Festooning, made all round, \$6.00 per 100 yards.

Fancy and Dagder Ferns, \$1.25 per 1000.

Laurel Festooning, 6c per yard. **Bush Laurel**, 50c

Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1000.

Bronze and Green Galax, \$1.00 per 1000.

Best quality **Green and Violet Foil**, 17c per pound.

Green Magnolia Leaves, extra large hamper.
\$2 25 per hamper.

Bronze Magnolia Leaves, \$2.00 per hamper.

Immortelles, new crop, all colors, 14c per bunch in case lots.

CUT BOXWOOD SPRAYS, \$16.00 per 100 lbs.

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SEASONABLE CUT FLOWERS.

Lilies, Orchids, Gardenias, Valley, Violets, Adiantum, Asparagus, P. and S.

ROSES Beauties, Richmonds, Marylands, the Tw
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**Holly Wreaths, Bulk Laurel, Mistletoe,
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Plants, Crotons, Palms, Box Trees.

We are Headquarters—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

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Wire us
Before
You Buy
At Any
Price.**

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Cannas at Contract Prices

915,000 Dormant Canna Roots 915,000

READ THIS

Upon the Cannas enumerated below the following prices are good until January 1, 1911. If cash accompanies the order, we will also allow a special discount of 5 per cent. The Cannas can be shipped any time (at purchaser's option) up to April 1, 1911.

Upon orders received after January 1, 1911, we reserve the right to raise the price not less than 20 per cent. Order today and save 25 per cent upon your Canna order.

CRIMSON SHADES

Alphonse Bouvier, 5 ft.....	100	1000
Alice Roosevelt, 4 ft.....	\$1.75	\$15.00
Black Prince, 3 to 4 ft.....	3.75	35.00
Charles Henderson, 4 ft.....	2.25	20.00
Crimson Bedder, 3 ft.....	1.75	15.00
Duke of Marlborough, 4½ ft. 1.75	17.50	
J. D. Eisele, 5 ft.....	2.00	15.00
Explorateur Crampbel, 5½ ft. 2.00	17.50	
Express, 2 to 2½ ft.....	2.75	25.00
Louisiana, 7 ft.....	1.50	14.00
Pillar of Fire, 6 to 7 ft.....	2.25	20.00
Pres. Cleveland, 4 ft.....	2.25	20.00
Pres. McKinley, 2½ to 3 ft. 2.00	17.50	
Tarrytown, 3½ ft.....	1.50	14.00

PINK SHADES

L. Patry, 4½ ft.....	\$1.75	\$15.00
Louise, 4½ ft.....	2.25	20.00
Mlle. Berat, 4½ ft.....	1.50	14.00

ORANGE SHADES

Mrs. Kate Gray, 6 ft.....	\$1.75	\$15.00
Pennsylvania, 5 ft.....	1.50	14.00
Wyoming, 7 ft.....	2.25	20.00

RED, GOLD-EDGED

Mme. Crozy, 5½ ft.....	100	1000
Souv. d'Antoine Crozy, 4 ft. 2.25	\$2.25	\$20.00

YELLOW SHADES

Buttercup, 3½ ft.....	\$2.25	\$20.00
Gladiator, 4 ft.....	2.25	20.00
Florence Vaughan, 5 ft.....	1.75	15.00
Newbury, 4 ft.....	2.75	25.00
Queen Charlotte, 3½ ft.....	2.25	20.00

WHITE SHADES

Alsace, 3½ ft.....	\$1.50	\$14.00
--------------------	--------	---------

BRONZE-LEAVED

Black Beauty, 5 ft.....	\$3.75	\$35.00
Brandywine, 4 to 5 ft.....	2.25	20.00
David Harum, 3½ ft.....	2.75	25.00
Egandale, 4 ft.....	1.75	15.00
KING HUMBERT, 4 ft.....	2.75	25.00
Leonard Vaughan, 4½ ft.....	1.75	15.00
Musafolia, 10 ft.....	2.25	20.00
Robusta, 6 to 8 ft.....	1.75	15.00
Shenandoah, 6 ft.....	1.75	15.00

ORCHID-FLOWERING

Allemania, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.50	14.00
Indiana, 4½ ft.....	1.75	15.00
Italia, 4½ ft.....	1.50	14.00

Our Cannas are packed 250 (of one variety) in a box; two can be "cleated" together and shipped as one. One box of 250 (one variety) sold at thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Twenty-five (one variety) at 100 rate.

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Washington, D. C.

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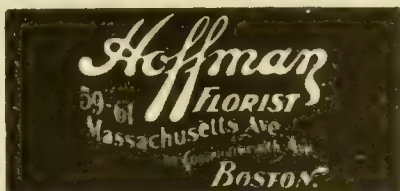
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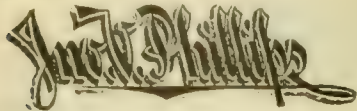
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YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

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International
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Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
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Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
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Will fill your orders for Designs and Cut Flowers in Iowa and the Middle West.

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Telegraph us and we will reciprocate. We cover all points in New England.

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Gude's

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A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

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Send flower orders for delivery in

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New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.
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New York.

Established 1874.

DARDS

**N. E. Corner 44th St.
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

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Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: **ALEXCONNELL**
Western Union Code.

Mention the American Florist when writing

Chicago.

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNE-OTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty, **216 W. 4th St.**

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L.H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

BODDINGTON'S catalogue is the first of the 1911 crop to reach us.

HOLLY at Chicago, florists' fancy stock, is selling at \$4.50 to \$6 and low grade material on the street at \$3.75 to \$4.

VISITED CHICAGO.—W. H. Grenell, Saginaw, Mich.; L. W. Wheeler, Hollister, Calif., and W. J. Fosgate, Santa Clara, Calif.

J. BOLGIANO & SON'S new warehouse at Baltimore contains 75,000 square feet of floor space and not 5,000 as stated in last issue.

CHICAGO.—Prices on the board of trade December 14 for grass seed were noted as follows: Timothy, \$9 to \$10 per 100 pounds. White clover, from \$22 to \$28.

PACIFIC COAST seed growers are planning to invite the American Seed Trade Association to San Francisco in 1915 if the Panama Exposition is held in that city.

A BRISK demand is reported for late varieties of sweet corn, Stowell's Evergreen and Country Gentleman being in demand at good prices, especially among the canning trade.

BINGHAMPTON, N. Y.—At a meeting of the stockholders of the Binghampton Seed Co. it was voted that of the \$25,000 capital stock, \$20,000 should be classified as common, and \$5,000 as preferred stock.

THE Currie brothers, William, Adam and James, of Milwaukee, Wis., have the sympathy of the trade in the death of their mother, Mrs. Anne Boyd Currie, which occurred at the home of the former December 11.

E. NEUBERT, of Wandsbek, near Hamburg, says his recent consignment of 769 cases of lily of the valley pips to H. Frank Darrow, New York, is the largest single shipment that ever crossed the Atlantic.

BOUQUET GREEN RECORD PRICE.—At Chicago, December 8, a single 100-pound crate of bulk bouquet green was sold by a commission man to a maker of wreathing for \$19, a new high record. At that the buyer figured that he could make a profit of \$25 on winding the stock.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

LINCOLN, NEB.—Articles of incorporation of the Griswold Seed company were filed with the county clerk November 25. The incorporators are W. B. Griswold, Frank L. Everts, H. J. Whitmore and E. S. Gunn. The capital stock is fixed at \$200,000, \$50,000 preferred and \$150,000 common. It is stipulated that at least \$105,000 of the common stock is to be paid in at the beginning of business.

The Late Charles P. Braslan.

AN APPRECIATION.

The death of Charles P. Braslan at San Jose, Cal., Saturday, December 3, has brought sorrow to hundreds of his friends all over the land. To few it is given to number friends by the hundred, but this was literally true as to him.

While his loss will be felt most keenly by those who knew him intimately, yet his personality was such as to draw closely to him, even on slight acquaintance, all with whom he came in contact.

His industry, energy and natural abilities were so exceptional as to command the admiration of all, but it was the essential sweetness of his nature that drew all hearts to him and made all men his friends.

In every undertaking in which he engaged he threw himself with all the enthusiasm of his nature. Always in the fore-front, giving and taking blows, it would be strange, indeed, had not those antagonisms which always follow closely contested vantage points, been aroused; but with his death, whatever of this may have existed has entirely ceased, and foremost among those who pay his memory heartfelt tribute are those with whom in life he most strongly contended.

And now that his activities have ceased, the hand which was ever open to the needs of others is still and the kindly heart that beat for all his friends no longer throbs, to us has come the realization that no more shall we feel the sunshine of his presence, we begin to more fully appreciate our loss and to realize that life will seem more narrow now that his generous spirit has taken its flight.

Someone has expressed the beautiful thought that "According to the degree of love which follows the departed soul, so shall that soul be borne to greater heights in Heaven." If this be our hope, may we not feel assured that the spirit of our friend has already entered into scenes of greater and nobler activity?

J. E. NORTHRUP.

Minneapolis, Minn., Dec. 5, 1910.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

How to Sue a Seedsman.

When a farmer starts to sue a seedsman or nurseryman for selling impure seeds or trees not true to name, he must be prepared to prove that damage was really caused by the particular seed or that the trees were the identical ones originally sold. The defendant, in such a case, will try to show that the farmer cannot be sure of the goods.—Rural New Yorker.

[How would it do for the Rural to assume that the planter of the seeds could and should examine the seeds before planting and if not satisfactory return to the seller as instructed by the seedsman's disclaimer.—ED.]

Imports.

During the week ending December 3, imports were received at New York as follows:

McHutchison & Co., 458 cases bulbs, 211 cases lily of the valley pips, 53 packages and five cases trees, 16 cases plants.

Henry Nungesser & Co., 400 barrels seed.

Wm. Hagemann & Co., 225 cases lily of the valley pips.

Aug. Rolker & Son, 188 cases lily of the valley pips, 41 cases plants.

H. Frank Darrow, 80 cases lily crowns, 30 bags seed, 14 cases trees, nine cases shrubs.

Julius Roehrs Co., 76 cases trees and shrubs, one case fertilizer.

Anton Schultheis, 62 cases lily of the valley pips, three cases plants.

P. Ouwerkerk, 57 cases trees.

Vaughan's Seed Store, 48 packages express goods and seeds, 23 cases shrubs and trees, four cases bulbs, one bag seed.

J. M. Thorburn & Co., 33 cases bulbs, 15 barrels seed.

A. T. Boddington, 23 bags manure, 10 cases plants.

Wadley & Smythe, 14 cases trees.

Weeber & Don, 12 cases mushroom spawn.

Ralph M. Ward & Co., 10 cases trees.

Reed & Keller, four cases dried plants.

Stump & Walter, three cases trees and shrubs, two cases plant wash, two cases roots.

Peter Henderson & Co., two cases bulbs.

O. V. Zangen, one case bulbs.

To others: 2,853 bags, 667 packages, 83 barrels and one cask seed, 2,506 cases and 379 barrels lily of the valley pips, 198 trees in tubs, 124 packages, 16 cases and one barrel trees, 118 cases and seven packages plants, 14 cases bulbs and roots.

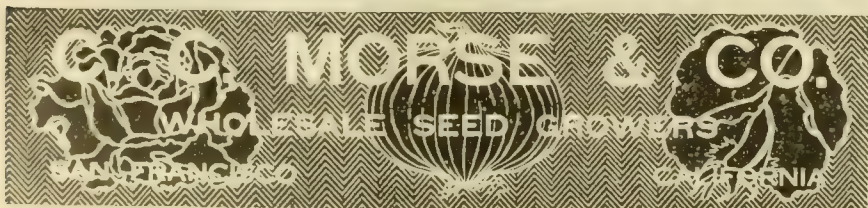
C. C. MORSE & Co., California, had 1,500 acres in garden peas this season and O. L. Coulter, now with this firm, who has the garden peas in hand, is specializing with a view to extending the firm's operations with such kinds as can be grown most advantageously in that section.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Onion Seed==Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS. --- Chillicothe, Ohio.

Make Every Catalog Bring an Extra Order

It Means Dollars to You.

Our salesman does the work. Goes out with your catalog, and is right on the ground to get the order and the cash when the customer is ready to buy. That's why we guarantee results.

Order Now for Your 1911 Catalog.

Samples and quotations on request.

Hemphill-Stehlin Co., Indianapolis, Ind.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Mention the American Florist when writing

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn \$1.50	Yellow Bird Millet \$1.75
Fancy Hemp Seed 2.75	Bird Vetches 2.25
Sicily Canary Seed 2.62	Red Bird Millet.... 2.25
German Bird Rape 3.50	Canada Field Peas \$1.50 per bushel.

Terms: 1 per cent 10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. B. BOLGIANO & SON**, Importers and Wholesalers, Baltimore, Md. Established for 92 years.

Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

For Sale.

1000 lbs. surplus Onion Seed
1910 crop.

N. J. WESTERMAN

Contract Onion Seed Grower.

BEUCHEL, KY.

Trade Directory

Of The United States and Canada
Price \$3.00.

American Florist Co., — 324 — Chicago
Dearborn St..

SEVEN TOP

Seed Merchants Whose Supplies of
Seven Top Turnip

Are under their requirements are requested to ask for prices, at same time naming quantities they are short.

D. LANDRETH SEED CO.,
Bloomsdale Farms, Bristol, Penna.

Mention the American Florist when writing

—FOR— SEEDS

OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

ROUTZAHN SEED CO.

Ar-oyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

John Bodger & Sons Co. Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing

THE J.C. Robinson Seed Co. Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns

The Everett B. Clark Seed Co. Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

You may have heard about the little fellow who stole very cautiously up to the letter box and when no one was looking, slipped a letter in without a stamp on it, thinking he had saved two cents. Well now that's just about the way some growers buy lily bulbs. They think it is smart practice and good business to "jew" down a salesman; but gentlemen, its not. It is not good for either the buyer or the salesman. In lily bulbs you are going to get just what you pay for and no more. It's the same in many other bulbs, plants etc. and the wise buyer is the man who pays a fair price for the article he wants and insists upon getting what he buys. We have the most direct connection possible in the Japanese bulb business and we know the value of the bulbs; and by costly experience we have learned that it dont pay in the long run to buy cheap lily bulbs--excuse us, we prefer others handle that part of the business. Good lily bulbs at reasonable prices, we can supply in any ordinary quantity for immediate delivery or for shipments during 1911 from cold storage. Write Us.



**Ralph M. Ward
& Company**

"Not How Cheap—
But How Good."

12 WEST BROADWAY,
NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 503 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Spawning Mushroom Beds.

After mushroom beds have been properly filled with the right kind of material, the temperature generally increases for a few days. This is the reason why it is unsafe to spawn new beds at once after filling. The operator should watch his temperature carefully by plunging thermometers into the beds. Supposing a newly made bed should register 130 degrees a few days after filling, it is in very good condition, and as soon as the heat declines to 90 degrees it will be in shape to plant the spawn. It is generally safer to use larger pieces of spawn—cutting a brick in six or eight pieces is about right; small pieces are too easily injured by excesses of heat and moisture. To plant the spawn just tear up a spot with the fingers, insert the piece and tamp down tight. Dibbled holes are undesirable as they permit air to circulate around the spawn. The next danger is too early casing with loam. This may induce a rise of temperature again, enough to kill the spawn. Generally a week or ten days after spawning the loam casing may go on. MARKETMAN.

Storing Celery in Cold Frames.

Celery to keep sound must be kept growing. This fall I had three varieties—Golden Self Blanching, Winter Queen, and Giant Pascal, the first being an early kind and the others late. About October 1 I topped them quite severely so that they would take up the least possible room in their winter quarters and in a few days their wounds had healed over and they were growing rapidly again. October 22 I took the plants up roots and all with as much soil as would come with them, tying the stalks to keep them straight and to keep the dirt from sifting in, and planted them in the cold frame. The roots were held in a bucket of water about five seconds and then set in rows almost touching each other and covered firmly with hotbed dirt, care being taken to keep the foliage dry. The bed was at once covered with Sunlight double glass sash, which I

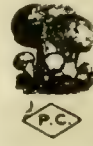


ENGLISH, Best quality, arriving constantly.
Spawn is from { 25 lbs. \$2.00
selected specimens { 100 lbs. 6.50
AMERICAN. Our monthly shipments from the
manufacturer include all the varieties.
Garden City { 25 bricks \$ 3.50
Pure Culture { 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 25 Barclay St

used for two reasons: first, because it would not be necessary to do any covering or uncovering, but mainly because they allow the rank, moist air to escape, instead of condensing on the glass and dripping back on the leaves and stalks. Within a few days they had all made new roots, and I am now pulling as perfect Golden Self Blanching as that variety ever gets to be. The later varieties are not yet ready but there is no doubt they will keep perfectly sound. I have been trying new ways to keep celery with varied

success, but with the double glass sash I think I have hit the right idea, which is to keep the plants alive.—J. C. Pearce in the Weekly Market Growers' Journal.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

L. DÆHNFIELDT, Odense, Denmark

Largest Seed-Growing Establishment in Scandinavia
(5,000 Acres)

SPECIALTIES: Cauliflower, Cabbages, Turnips, Swedes and Mangolds, Cucumber for forcing, Tomatoes, Asters, Cinerarias, Cyclamen, Stocks and Pansies—Seeds.

Superior Quality and Moderate Prices

New Catalogue for 1911, with wholesale prices, is now ready, and will be forwarded to all interested on application.

BUY CABBAGE SEED IN THE CABBAGE COUNTRY.

I advise you to ask me for contract prices. It will pay you well.

Six Months of Chrysanthemums

We have enjoyed Chrysanthemums from July into December.

We are offering a collection of Commercial novelties that have covered this long period of flowering.

Beginning with **Smith's Advance**, white, cut July 25th. **Unaka**, Bright pink, Oct. 1st. **Chrysolora**, Yellow, Oct. 15th. **Dick Witterstaeter**, Bright crimson, Oct. 25th. **Roman Gold**, intense Yellow, Nov. 1st. **Thanksgiving Queen**, White, Nov. 20th and **December Gem**, White, Dec. 1st.

There has never been a collection offered including all four of the important colors for Florist's use and covering a flowering season of six months. Others may tell you they have just as good, but ask for proofs. All of these have been awarded First Class Certificates by the Chrysanthemum Society of America. We also have a very strong set of Exhibition varieties. None better.

WHEN INVESTING IN NOVELTIES IT PAYS
TO BUY THE BEST

ELMER D. SMITH & CO., Adrian, Mich.

NEW IRISH ROSE MELODY

FOR several years we have made a study of the Pedigree Seedling Roses of Messrs. Alexander Dickson & Sons. We have visited their Nurseries when from 3000 to 5000 Seedlings were in bloom, and our earnest endeavor has been to select varieties for Winter Forcing in America that will flower as freely during the Winter as Killarney. We have tested several beautiful Roses that the retailer would gladly buy, but they would not produce enough flowers during the winter months to be profitable to the Grower. In Melody we have the freest flowering Winter Forcing Rose yet introduced; it is a Yellow Pedigree Seedling of Messrs. Alexander Dickson & Sons, Newtownards, Ireland; and is the fourth Rose they have given us for Winter forcing, their former introduction being Killarney, Liberty and Mrs. Jardine.

Melody has a strong, willowy growth, unlike any other forcing variety with rich glossy foliage. Flowers are of perfect form, of a beautiful yellow, shading toward the center to deep apricot yellow, and very double. It will be particularly valuable to florists from the fact that it produces such quantities of flowers for winter, when other varieties are apt to be shy. With us in Sharon Hill it is as free in winter as My Maryland is in summer; and from one two-year-old plant, last December, we cut 26 flowers, and from the same plant on the next crop in February we cut 27 flowers. We offer only Own Root Plants, as, like most yellow Roses, Melody does not take kindly to Manetti stock. **PRICES: \$6 per dozen; \$30 per 100; \$70 per 250; \$250 per 1000; 2½-inch pots; delivery during March.**



NEW IRISH ROSE MELODY.

Double Pink Killarney

THIS Novelty originated in our own place. Some years ago we had a White Sport from Killarney, and after working it up to a house of 1700 plants, we sold cut flowers from it. One of these plants sported back to pink, but instead of the ordinary Killarney we found that the habit of growth was much stronger, and the flower had from 10 to 12 more petals than Killarney, some having as many as 35, and were a shade lighter in color. Every florist who has seen this Sport likes it, as it is a better shipper and a larger flower than Killarney.

PRICES: Own Root Plants, 2½-inch pots, Spring Delivery, \$4 per dozen; \$20 per 100; \$40 per 250; \$150 per 1000.

GRAFTED PLANTS: \$30 per 100; \$250 per 1000. Orders filled strictly in rotation.

Address all
Orders to...

ROBERT SCOTT & SON,

**Sharon Hill,
Delaware County, Pa.**

OR TO OUR AGENTS

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow Street, PHILADELPHIA, PA.

HENRY A. DREER,
714 Chestnut St., PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16, 1911.

IN the twenty-fifth line of John Dunbar's article on *Cornus officinalis* in last week's issue read enhanced for unbalanced.

A. KOSTER, of Boskoop, Holland, who discovered Koster's blue spruce among his seedlings of *Picea pungens* 30 years ago, died October 13, aged 80 years.

Soupert & Notting's New Roses.

Soupert & Notting of Luxemborg are distributing three new roses this season which are described as follows:

Reuerdo de Antonio Peluffo, a splendid tea of light yellow pink edged petals, a seedling of Melaine Soupert and Mme. Const. Soupert. A large flower, very double, of irreplaceable form, with long fine buds and very free flowering, combining the delightful qualities of the parents. A fine exhibition and forcing rose.

Manuel P. Azevedo, a hybrid tea, bearing a seedling of Etoile de France and Ulrich Brunner. A large double cerise red flower, of ideal form, with stiff petals and sweetly perfumed, the plant having the hardiness of Ulrich Brunner and as floriferous as Etoile de France. The coloring is an intermediate shade between those of the parents.

Hugo Maueroff, a rambler seedling, a cross of Crimson Rambler and Mrs. Wm. H. Cutbush, a small double flower of warm carmine color and regular form, produced profusely in large elegant clusters. Free growing, floriferous and hardy.

Western Association of Nurserymen.

The twenty-first annual meeting of the Western Association of Nurserymen was held December 14-15, 1910, at the Coates House, Kansas City, Mo., and was called to order on the morning of the first day and the routine business transacted, after which the following topics and papers were considered and discussed: Additional by-law governing the reporting of members, by E. P. Bernardin; Report of the test of adverse laws, A. J. Brown, B. E. Fields and W. P. Stark, committee on legislation; State laws, C. Sonderegger; Co-operation of nurserymen, J. Moncrief; What constitutes a nurseryman, A. L. Brooks; The value of the nursery industry, R. J. Bagby; Nursery interests and conditions by states; Pioneer trees for the northwest, George H. Whiting; The grading of forest seedlings, J. H. Skinner; Propagation of the apple and its culture, A. Willis; Supply and prices, H. B. Chase; How may our inspection laws be improved, John S. Kerr; The retail end of the nursery business, E. H. Balco; Time and place and the remedy to apply for woolly aphids, C. A. Murphy; What of the Denver meeting, J. W. Hill; Entertainment for the nurserymen's convention at St. Louis, F. A. Weber; National Association Exhibit, J. W. Schuette, and The National Association meeting at St. Louis, W. P. Stark.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Ground Covers

— AND —

Plants for the Rockery

Put in your orders now for *Daphne Cneorum*, *Calluna Vulgaris*, *Arabis* and *Alyssum Saxatile* etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

— For the Best New and Standard —

DAHLIAS

— address —

PEACOCK DAHLIA FARMS,

Williamstown Junction, N. J.

Post Office: Berlin, N. J.

Jacs Smits & Co.,

NAARDEN
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraeas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

Evergreen Boughs for Decorating

Per 100 pounds Per 100 pounds
Arbor Vitae, 5 to 10 in., \$1.50; 12 to 36 in., \$1.00
White Spruce, 5 to 10 in., 1.50; 12 to 36 in., 1.00
White Pine, 5 to 10 in., 1.50; 12 to 36 in., 1.00.
Sphagnum Moss, per bale 75c; 10 bales, \$6.50.

Cash with order.

CHAS. F. UECKE, New London, Wis.

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up; 1000 in 10 distinct kinds, either show, decorative or Cactus, our selection of kinds for \$40.00. Cash.

Canna Roots, Strong division, at \$2.00 per 100, \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Eugene Pitou, Jr.,

CIVIL ENGINEER and
Landscape Architect

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

ROSES

For Forcing.

We can now offer for prompt delivery, dormant stock for Easter forcing. Good stock is scarce this year so order early.

Try the two improved Baby Ramblers:

Jessie, per doz., \$5 50; per 100, \$40 00
Phyllis, per doz., 3 00; per 100, 22 00
They are comers. Write for description.

Baby Ramblers

2-year per doz., \$2 00; per 100, \$14 00
3-year per doz., 2 50; per 100, 16 00
½ standard each 1 00; per doz., 10 00

Mrs. Cutbush

2-year per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year per doz., \$2 00; per 100, \$15 00
3-year per doz., 3 00; per 100, 18 00
Standards, 3 to 4 feet each 75c

Dorothy Perkins

2-year per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year per doz., \$3 50; per 100, \$25 00
Standards, 3 to 4 ft. stem each 1 00

Lady Gay

2-year per doz., \$3 00; per 100, \$20 00
Standards, 3 to 4 ft. stem each 75c

Tausendschon

2-year per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

2-year per doz., \$1 75; per 100, \$14 00
Anna de Diesbach, Magna Charta,
Baroness Rothschild, Mrs. John Laing,
John Hopper, Ulrich Brunner.

2-year per doz., \$2 00; per 100, \$15 00
Mrs. R. G. S. Crawford, Paul Neyron
and others.

Manetti

For December and January delivery.

English 100 1000 5000
\$1 75 \$13 50 \$60 00
French 1 50 12 00 50 00

Hydrangea Otaksa

6 and 7 in. pot grown, 3 to 4 flowering stems
Per doz. \$5 00; per 100, \$40 00
7-in. pot grown, 5 to 6 flowering stems
Per doz. \$8 00; per 100, \$65 00

Deutzias

Gracilis, 7 in. pot grown Per doz., 100
\$2 00 \$15 00
Lemoinei, 7-in. pot grown 2 50 16 00

Rhododendrons

Best named varieties for Easter forcing.

For December and January delivery.

Bushy, well shaped plants, 8-12 buds, \$1 00 \$9 00
Each Doz.
12-18 buds, 1 25 12 00
18-24 buds, 2 00 20 00

All of this stock is freshly imported and very choice. Early orders receive first attention.
Prices are f. o. b. Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph St.
CHICAG

25 Barclay St.
NEW YORK

White Wonder Gloriosa

Two New Carnations For 1911

We consider these the best varieties in their colors we have yet introduced. Both are up to the high standard of quality and strictly commercial in production of bloom.

White Wonder.

The largest and most productive white variety we have yet produced. A white carnation for all growers.

A 1906 seedling of White Perfection having all its good qualities so greatly improved that it is far superior to that variety. The flower is some larger, the stem is stronger and the growth is all that White Perfection lacks making nearly double the size plant and thereby increasing its productiveness nearly one-third.

Like White Perfection it is easy to root, makes a quick upright growth transplants readily; flowers early and without a break; produces a full continuous crop the entire season. Another of its strong points is its calyx, the percent of bursted ones is so small that it cannot be classed as a defect.

Like White Perfection, Winona and Pink Delight, these two varieties are true commercial types, having all the good points to make them valuable to every grower. Our very large stock will give us quantities of good select cuttings early and throughout the season. *Notwithstanding our large sales of over 200,000 rooted cuttings we are prepared to take good care of your order if placed now.* Large or small we will make every effort to make your order satisfactory.

PRICE OF ROOTED CUTTINGS.—\$12.00 per 100; \$100.00 per 1000; 2500 for \$237.50; 5000 for \$450.00. 25 at 100 and 250 at 100 rate. For larger quantities prices on application.

Gloriosa.

An attractive and pleasing shade of pure light pink. It is darker than Pink Delight without the salmon cast and the color is distinct from any variety in commerce.

Its stem, clean, healthy foliage, habit of growth and its exceptionally good calyx is an advance on the varieties now in cultivation. It is another that has that early free and continuous flowering habit. The size is large with a full center; the form is perfect and keeping qualities are of the best.

The cuttings root easily and make a quick shapely growth. It lifts and transplants readily; is very active; quick to produce new breaks that run to flower stems in a very short time.

The A. C. S. Judges gave GLORIOSA first honors in competition with Pink Delight and Enchantress.

Rooted Cuttings Dec. and Jan. Delivery and Later.

	Per 100	Per 1000		Per 100	Per 1000
Pink Delight	\$6 00	\$50 00	Golden Ray	\$6 00	\$50 00
Scarlet Glow	6 00	50 00	White Perfection	3 00	25 00
Shasta	6 00	50 00	Winona	3 00	25 00
Sangamo	6 00	50 00	Enchantress	3 00	25 00
Dorothy Gordon	6 00	50 00	White Enchantress	3 00	25 00
J. W. Riley	6 00	50 00	Rose Pink Enchantress	3 00	25 00
Admiration	6 00	50 00	Beacon	3 00	25 00

CARNATIONS—Strong, well rooted cuttings are our specialty.

We do not supply the cheapest but the best.

F. DORNER & SONS CO.

LA FAYETTE, IND.

CARNATION

Mrs. C. W. Ward

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchases.

MRS. C. W. WARD

is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.
The color is the clear, deep pink so much in demand.

Rooted Cuttings ready December 15th.

\$6.00 per 100; \$50.00 per 1000.

ALMA WARD

Rooted Cuttings ready December 15th.
\$7 50 per 100. \$60.00 per 1000.

OTHER VARIETIES, Rooted Cutting, Ready January 1st.

Pink Delight, \$6.00 per 100; \$50.00 per 1000.

Beacon, \$4.00 per 100; \$30.00 per 1000.

Winsor, \$4.00 per 100; \$30.00 per 1000.

Enchantress, \$4.00 per 100; \$30.00 per 1000.

Cottage Gardens Co. Inc.

**QUEENS, Long Island,
New York.**

San Francisco.

A TRIP TO STOCKTON.

A number of the members of the Pacific Coast Horticultural Society had a most delightful excursion to Stockton a few days ago. Leaving on Saturday evening on the river steamer they arrived in Stockton early Sunday morning, everybody feeling very much refreshed after a good night's rest, with the exception of Wm. Munro, the popular superintendent of the Crocker estate, San Mateo. He complained of the continuous sounding of the fog whistles during the night. There being no fog during the night it was rather a puzzle to the rest of the party why he should have heard these whistles, until investigation proved that the cabin occupied by himself and wife was above the ones occupied by the heavyweights of the society, Dan MacRorie and Dan Raymond, who are in the habit of sleeping rather loud, in fact it is rumored that the steamship company are seriously thinking of discontinuing the fog whistle in the future, and engaging these two alternately. Upon their arrival in Stockton the party visited the different greenhouse establishments, as well as the city parks and grounds of the State Insane Asylum. Messrs. Schmitz and Dobner, who had invited the members to spend the day with them, entertained them with their well known hospitality. Their French cook had prepared a sumptuous meal which everyone enjoyed most heartily. Of liquid refreshments there was variety, quality and quantity, the only regret of the members being that they could not stay long enough with it. Schmitz & Dobner's greenhouse establishment was in a very prosperous looking condition; they were just installing a new 45 horse-power steam boiler their old boiler being too small, as they have been

adding considerable to their glass area lately. At the San Joaquin Floral Company's greenhouses they also found things looking prosperous. They found Manager Shaw just recovering from a serious illness. Head gardener Roecklein at the State Insane Asylum, is keeping the grounds and greenhouses in as fine a condition as it is possible to do with only asylum patients as assistants. After having spent a most enjoyable and instructive day everybody was sorry when it was time to embark on the Southern Pacific train after thanking Messrs Schmitz and Dobner for their kind hospitality.

NOTES.

Flower seeds to children. Seeds and bulbs are to be distributed to the pupils of LaFayette School next week by the members of the California State Floral Society, which requests that its members meet at Red Men's Hall, Leavenworth and Hyde streets, for the purpose of considering the plan of interesting school children in the art of floriculture. Plans are also to be formulated for a spring flower show. The recent autumn flower show at the Fairmount was such a great success that a spring show is to be given at which California roses and the wild flowers are to be featured.

J. A. Carbone of Berkeley is sending to the market many nice varieties of orchids. He will have thousands of blooms of phalaenopsis for the holiday season.

ARTUS.

MONTICELLO, FLA.—The Jefferson County Seed Co. has been organized here with R. L. Eaton president and G. C. McCall secretary and treasurer. They have one thousand acres of land well stocked and will grow watermelon seed for the trade only. The Cape Girardeau Nursery of which R. L. Eaton is owner will make budded pecan trees a specialty.

Surplus Bulbs

Easter comes April 16, and you will need blooming

Hyacinths, Tulips, Narcissi, Etc.

at that time. There is plenty of time to force them for your Easter trade, and we have a fine lot of bulbs for the purpose—the surplus left from our fall trade. We'd rather sell these below cost than throw them out, and now is the time for you to get a real bargain. You know how low these prices are:

	Per 1000
Named Hyacinths.....	\$35
Named Tulips.....	12
Named Narcissi.....	12
Monster Yellow Crocus.....	6
Large Named Crocus.....	4
Mixed Hyacinths.....	20
Mixed Tulips.....	12

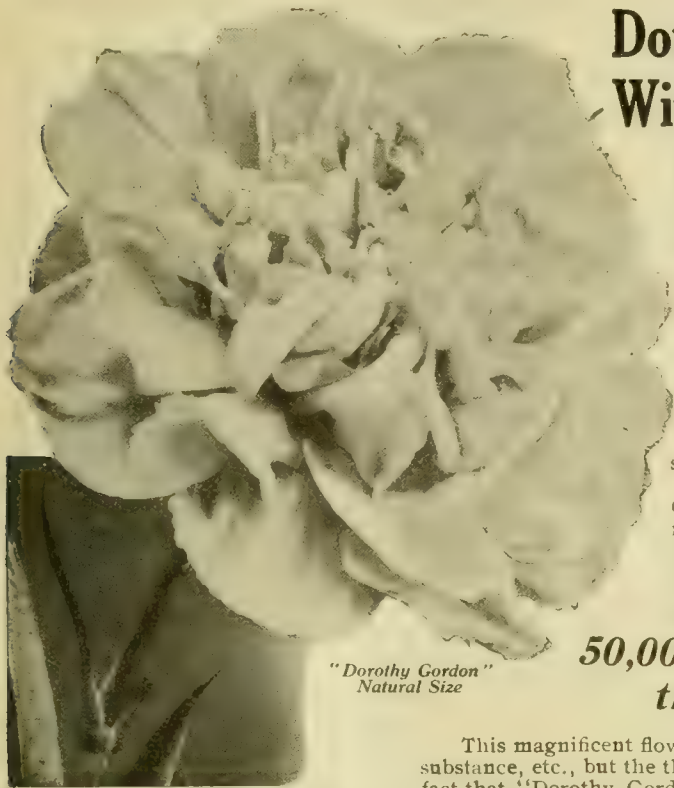
If you are in need of a large quantity of any of these or other bulbs, write us—we can quote you prices that will interest you.

Write us also if you are interested in
Asparagus and Maidenhair Ferns
for house plants. We have a fine lot of them
at very attractive prices.

Heller Brothers Co.

Rose
Specialists 917 South Main St., New Castle, Ind.

SALT LAKE CITY UTAH.—The Salt Lake Floral Co. opened their greenhouses to the public from two to four o'clock on the afternoons of November 18-19, that they might inspect the beautiful chrysanthemums and other flowers.



"Dorothy Gordon"
Natural Size

Double Your Carnation Money With "Dorothy Gordon," the Most Profitable Commercial Variety on the Market Today

Yes, you can do it, with your present equipment and without an extra penny of expense; just plant "Dorothy Gordon" this year and take the same care of them that you do the carnations you're growing now.

Here are two ways: First, you can get **one-third more commercial flowers**; in other words, when a given number of ordinary plants bear 100 flowers, the same number of plants of "Dorothy Gordon" will yield 133.

Second, you can get 50% more money for "Dorothy Gordon." We used to grow Enchantress and we sold the flowers at \$6.00 per 100; at the same time we sold "Dorothy Gordon" at \$9.00. More than that, the extra amount of flowers that "Dorothy Gordon" always produces brings the total up to \$12—**just double** what an equal number of Enchantress will yield.

**50,000 rooted cuttings already sold
this fall without advertising.**

This magnificent flower has a lot of other splendid features—size, fragrance, substance, etc., but the thing we want to "hammer home" to you right now is the fact that "Dorothy Gordon" is a **real money-maker**. We quote strong rooted cuttings at the reduced price of

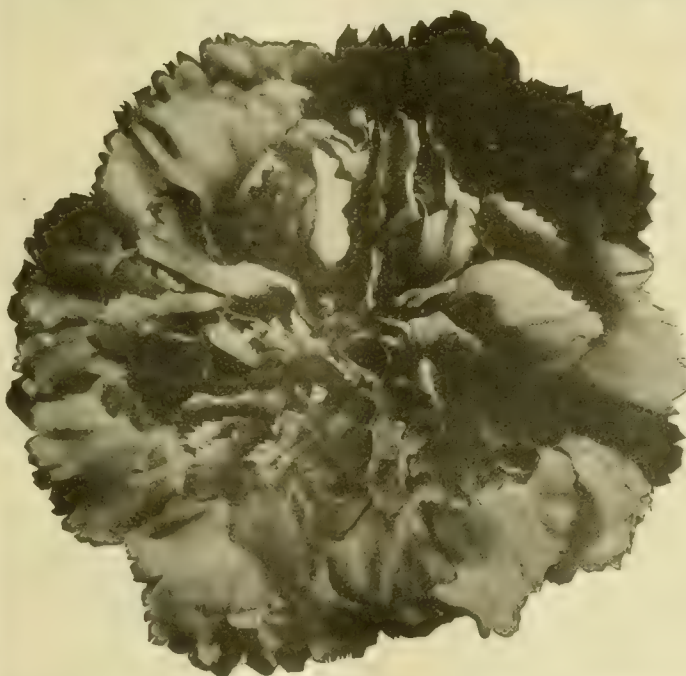
\$6 00 per 100; \$50.00 per 1000.

When in Philadelphia, Be Sure to Look Us Up

Joseph Heacock Company, Wyncote, Penna.

Railway Station
Jenkintown

Washington Beautiful Cerise : :



SPORT of Enchantress; the same shade as Lawson; shown at all the Flower Shows in the same class with Afterglow, Aristocrat and Lawson, winning highest honors in every competition which proves its quality. The color is a beautiful dark pink or cerise, all the other characteristics the same as Enchantress from which it is a sport.

How many new ones come out every year that do not make good? We offer you a sure thing in Washington one we all know has made good.

Rooted cuttings, guaranteed satisfactory, \$10.00 per 100; \$20.00 for 250; \$75.00 per 1000.

CHICAGO CARNATION CO.,

A. T. PYFER, Manager
Phone Central 3373.

35-36 Randolph St., Chicago.

Toledo, O.

The business has again been satisfactory and since chrysanthemums are on the decline, pot plants are forging to the front. The call has been good, locally as well as shipping. In fact it is hard to keep blooming plants long enough to have them just right and then some must be reserved for the approaching holidays. The demand for chrysanthemums Thanksgiving week cleared up everything that was good and no good. Many flowers had to be cut that would have been better with two more weeks on the plants. Carnations are more plentiful and the quality is getting better as well, but what will we have for Christmas if the weather keeps up as it has been for the last six weeks? We have forgotten the looks of the sun, snow has been falling steadily and the thermometer down to 14 is certainly not encouraging. Our seedsmen are busy with their catalogues and some new seeds have come to hand, though very few so far. J. L. Schiller has his price list in the hands of the printers and expects mailing some early in January. A line of seeds of those most necessary to every florist has been added while cyclamen and primulas are again the leading feature.

FLORISTS' CLUB MEETING.

The flower show of flowering pot plants held by our club on December 6, at the store of S. N. Peck, for the benefit of the members, was a great success. There were a good many more plants exhibited than expected, the number of competitors was larger and the quality was good to very good, though the very good applies to out-of-town exhibitors and stock bought out of town and exhibited by the buyers, a very easy and convenient way of taking prizes and certainly not very commendable. This show had attracted several out-of-town visitors, who were well repaid by what they saw and the general good time they had in our midst, so good that all joined the club right then and there. Liberal cash prizes were offered for cyclamen, *Primula chinensis*, begonia (Lorraine type) and cinerarias, the latter being a special prize given by our local pot manufacturer, F. W. Ritter. S. N. Peck received the prize on cinerarias. The first prize for *Primula chinensis* was given to J. Barrow for a fine specimen of the variety Caruncle, a deep brilliant crimson, a color that sells on sight. The second prize went to S. N. Peck for a single white. The first prize for begonias was taken by C. Winterich, Defiance for a very well grown Gloire de Lorraine, while the second went to S. N. Peck for Glory of Cincinnati. The prizes called for the best begonia of the Lorraine type, and while the flowers of G. Cincinnati are decidedly larger, the habit of the Gloire de Lorraine seemed so much better that the decision was undoubtedly just. Lorraine was simply a ball of pink, while Cincinnati had all its flowers on top of the plant. Of course it is said that Cincinnati is the better keeper, but that was not to be decided. C. Winterich also carried off the first and second prizes for cyclamen, his cyclamen were magnificent specimens, as good as I have seen anywhere in my experience. The other exhibitors were Krueger Bros. and J. L. Schiller, the first with cyclamen and the latter with cyclamen and double chinese primroses. Our next meeting will be held the coming week and prizes will be awarded for the best pots made up of foliage and flowering plants to be retailed at a price within the reach of most people. SCH.

NEW YORK.—Plans have been filed for the erection of three greenhouses in the Bronx Botanical Gardens near Bronx boulevard and Bleeker street, to cost \$23,700.

Surplus Shrubs, Roses Dahlias and Other Stock

We have the finest lot of large-sized, strong, lusty shrubs you ever laid eyes on, which we will be glad to convert into ready cash at the following ridiculously low prices:

Hydrangea Paniculata Grandiflora

2 ft., 5 to 8 branches	100
18 in., 3 to 5 branches	\$8 00
12 in., 2 to 4 branches	6 00
	5 00

Viburnum Pilcatum, extra fine stock

4 to 6 ft., 6 to 8 branches	\$8 00
2 to 3 ft., 4 to 6 branches	5 00
6 to 8 in., 1 to 3 branches	3 00

Altheas, all colors, fine plants

18 to 24 in., 4 to 8 branches	100
	\$4 00

Berberis Thunbergii

Splendidly branched	100
10 to 13 in., 6 to 8 branches	\$5 00
8 to 10 in., 4 to 5 branches	4 00

California Privet

Magnificent stock	100
2 years planted 15 to 20 branches	\$6 00
1 year planted, 5 to 8 branches	3 00

Clematis Paniculata

Extra strong plants	100
3 years old	\$10 00

FOR FLORISTS' USE:**Roses**

All on their own roots, field-grown, fine, strong and thrifty.

Mrs. David Jardine, Killarney, Richmond, American Beauty, Kaiserin, Gen. Jacqueminot (bench stock), Phila. Crimson Rambler, Crimson Rambler, Dorothy Perkins and leading varieties of H.P.'s 15c each
White and Pink Cochet, Mrs. B.R. Cant and Wm. R. Smith, all field-grown 20c each

We can also supply, in strong young pot plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.

Dahlias

Great clumps, in splendid shape. All the leading sorts.

\$5 per 100; \$45 per 1000.

Send for list of splendid varieties, all kinds.

CANNAS. Many of the best varieties. Divided roots, \$3.00 per 100. Send for list.

ASPARAGUS. Both Sprengerii and plumosus—and

MAIDENHAIR FERN. Extra fine, strong clumps, grown under ideal conditions, every plant perfect. Just the thing you can sell in big quantities for home decoration, 15c each, in any quantity.

VIOLETS. Immense field-grown clumps both double and single, \$6.00 per 100.

Surplus Bulbs Fine for spring trade, in pots., All splendid, first-class bulbs.

Named Hyacinths	\$35 00 per 1000
Named Tulips	10 00 per 1000
Named Narcissi	10 00 per 1000
Mixed Hyacinths, in colors	20 00 per 1000
Mixed Tulips	8 00 per 1000
Monster Yellow Crocus	6 00 per 1000
Named Crocus	4 00 per 1000
Mixed Crocus	3 00 per 1000

We're open to an offer on these bulbs, as the season is late.

THE DINGEE & CONARD CO.,

West Grove, Pa.

8000 Whitmani

For Xmas Baskets

These are fine stocky plants just right for pans or baskets with other plants. 4-inch \$12.50 per 100; 3-in. \$8.00 100.

Superbissima, 4 in.	\$25 00
3 1/2 in.	20 00
Todeaoides, 4 in.	20 00
3 in.	12 00
Fern Dish Ferns, 2 1/4 in.	3 50
Asparagus Plumosus, 3 in.	5 00
2 in.	2 50

Cash please. We grow plants only, and sell exclusively wholesale.

THE REESER PLANT CO.,

SPRINGFIELD, OHIO.

Please mention the American Florist when writing

DELPHINIUM FORMOSUM**Hardy Lilies**

Tenuifolium, Wallacei, Hansonii, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM
and **GERMAN IRIS.**

Write for Prices.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

RANDOLPH, VT.—H. M. Totman has just added to his greenhouse plant on Elm street, a storage shed 20x50 feet with coal pocket and a subway connecting it with the greenhouse cellar.

BRISTOL, TENN.—There was a splendid trade Thanksgiving week, a great many orders for cut flowers and wedding decorations called for a large amount of stock.

Geraniums

S. A. Nutt.....\$11.50 per 1000.

Poitevine..... 14.00 per 1000.

Ricard..... 14.00 Per 1000.

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order or send ten cents for samples.

Coleus

Verschaaffeltii\$6.00 per 1000

Golden Bedder 6 00 per 1000

Standards in assortment 5 00 per 1000

Giant leaved, the best collection in the country at \$1.25 per 100 or \$10.00 per 1000. Cuttings will be well rooted of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms cash.

A. M. HERR,

LANCASTER, PA.

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Ferns

Four-inch, heavy, well rooted plants.

Pieroni, Elegantissima, Barrowsi, \$14 00 per 100; Boston, \$15.00 per 100.

Wagner Park Conservatories
SIDNEY, OHIO

Splendid Stock for the Holidays

Dreer's Unequaled Specimen Plants of Cocos Weddelliana.



*Adiantum
Farleyense.*

If you have not included specimen plants of Cocos Weddelliana in your Christmas stock before, you should give them a trial this year. They will appeal to your customers and can be sold at a good profit.

3 inch pots, 8 to 10 inches high, \$2.00 per doz.; \$15.00 per 100
5-inch pots, 18 to 24 inches high, splendid plants, 75c each.
7-inch pots, 36 to 42 inches high, grand specimens, \$2.50 each.
10-inch pots, 30 to 36 inches high, very stocky, well balanced plants, \$5.00 each.

Adiantum Farleyense.

In prime condition for use in hampers, made-up work, etc.
4-inch pots, splendid stock \$ 5.00 per dozen
5-inch pots, splendid stock 9 00 per dozen
6-inch pots, splendid stock 12 00 per dozen

Asplenium Nidus Avis Birds Nest Fern.

This fern is out of the usual run and will appeal to your customers for small jardinières, also work in fine made-up work.
3-inch pots, 30c each; 4-inch pots, 40c each.

Platycerium Stemmaria.

A large leaved variety of the Elk's Horn Fern. This is novel and out of the usual run, and will attract attention, good 6-inch pots, \$2.50 each.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia.

Orchids Orchids

Of All Kinds and for All Purposes.

What we do not carry in stock of these plants is not worth growing.

We can supply the following in **Freshly Imported Plants**, the last for this season.

Oncidium Varicosum Rogersii,

with 5 to 6 bulbs, \$100.00 per 100.

Vanda Coerulea.

Nice plants, 10 to 12 inches long, 3 and 4 pairs of leaves, \$125.00 per 100.

Catalogue and price lists on application.

LAGER & HURRELL

Orchid Growers and Importers,
SUMMIT, N. J.

Boxwood

We have just received a shipment of prime stock and can handle orders for prompt delivery.

BUSH BOX

Prices do not include tubs.

	Each	Doz.	100
10 to 12-in.	30c	\$3 00	\$20 00
12 to 15-in.	35c	3 50	25 00
15 to 18-in.	45c	4 50	35 00
18 in.	6c	6 50	50 00
20 to 24-in.	75c	8 00	
30-in. extra bushy. each.	\$2 50		
per pair. \$4 50.			

PYRAMID

	Each	Pair
2½ ft. high	\$2 00	3 75
3 ft. high	2 50	4 50
3½ ft. high	3 00	5 50
4 ft. high	4 00	7 50
5½ ft. hi. h	7 50	14 00

STANDARD

	Each	Pair
18 to 20 inch crown..	\$3 00	\$5 50
24 to 26 inch crown..	4 50	8 00

GLOBES

15x15-inch.....	\$2 50	\$4 50
18x 8 inch	3 00	5 50

Prices f. o. b. Western Springs.

We can also supply a few nice Bay Trees crowns, 26, 28, 30, 34 and 40 in.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses, Trial Grounds and Nursery, Western Springs, Ill.



Prices include new green tubs. discount if wanted out of tubs.

ORCHIDS

We are one of the largest collectors and importers of Orchids.

Investigate us.

CARILLO & BALDWIN, Mamaroneck, N. Y.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co., MORRISVILLE, PA.

Hybrid Perpetual and Rambler Roses.

Strong Forcing Stock for Florists. Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N.Y.

Boston Ferns

Our stock took first prize at the Chicago Flower show. We have lots of prize winning plants in good condition. Order now before freezing weather sets in. We have the finest stock in the West.

	Each	Doz.	100
2½-inch pot plants.....	.10	\$.75	\$ 5.00
3-inch pot plants.....	.15	1.25	8.00
4-inch pot plants.....	.25	2.50	20.00
5-inch pot plants.....	.40	4.50	35.00
6-inch pot plants.....	.75	8.00	60.00
7-inch pot plants.....	1.00	10.00	75.00
8-inch pot plants.....	1.25	14.00	100.00
10-inch pot plants.....	2.50	\$3.00 each.	

Prices F. O. B. Western Springs.

Vaughan's Seed Store,

CHICAGO: NEW YORK:
84-86 Randolph St. 25 Barclay St

Mention the American Florist when writing

Primroses

	Per 1000	Per 100
Chinese, 2½-in. pot.....	\$12.00	\$1.50
Obc. Alba and Rosea.....		1.50
Obc. Gigantea.....		2.00
Asp. Sprengeri.....		2.00
Alternantheras, red and yellow, R. C.,		60

—Cash—

JOS. H. CUNNINGHAM, Delaware, O

Mention the American Florist when writing

NEW CARNATION

Princess Charming

Color same as Enchantress, but a decided improvement on Enchantress.
\$12.00 per 100; \$100.00 per 1000.

HENRY EICHHOLZ, Originator, Waynesboro, Pa

Mention the American Florist when writing

Baltimore.

A snow storm, which the weather bureau's local officials declare a record of severity for December, prevailed on Monday and Tuesday, followed later by lighter ones, making about twelve inches of snow on the ground. During the storm, fortunately, a very low temperature did not prevail, but afterward there were two or three mornings when the mercury touched the zero mark. Naturally, the effect on business was very detrimental and the street vendors beat a retreat and were not to be seen, though one of the enterprising papers of Saturday had a photograph of one purporting to be "selling flowers with the temperature near zero." At this writing, due to the weather, all cut flowers are scarce.

The season of social activity is in full blossom. Some zest has been given to various affairs by a visit for a few days of Miss Helen Taft, daughter of the President, who came for the first german of the season, which caused a day of great activity and interest in the stores, demanding the highest grade of flowers for the occasion, heavy drafts necessarily being made on other cities for orchids, gardenias, lily of the valley and American Beauty roses, of which the local supply was insufficient.

John Cook and Mrs. Cook left on December 7 for a winter in Florida and Cuba, having been unable to get railroad reservations earlier, their intentions having been to start about December 1.

Charles L. Seybold determined to resign his place in the service of the Park Commission and surrender without waiting for legal pressure the house which he occupied in one of the parks.

S. B.

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class. Won first honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100. - - \$ 12.00
Price per 1000, - - 100.00

Price per 5000 - \$400.00
25 at 100, 250 at 1000 rates.

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
Wisconsin.

Seasonable Stock

Kentia Belmoreana, 2½-in. pot plants \$8.00 per 100; 3-in. pot plants, \$15.00 per 100; 4 in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½-in. \$5.00 per 100; 5 in. strong, \$6.00 per doz: \$40.00 per 100.

Asparagus Plumosus, 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengeri, Strong 5-in. pot plants, 15c.

Primula Obconica Grandiflora, pink, red and white, 2½-in. pots, \$2.50 per 100.

Spiraea, large forcing clumps. Gladstone, \$9.00 per 100; Queen Alexandra, \$12.00 per 100. Florabunda, \$4.50 per 100; Superba \$6.00 per 100. Blondin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica at \$4.00 per 100.

Heliotrope, Purple in five good varieties. \$3.00 per 100; \$25.00 per 1000.

Boxwood, Bush shape for window boxes or pot sale, very bright foliage and bushy. 10 to 12-in high \$20.00 per 100; 12 to 15 in. high, \$25.00 per 100. Full line of sizes in both Pyramidal and Natural Bush forms. Prices on application.

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GERANIUMS Rooted Cuttings

On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards Perkins, E. G. Hill, Decorator, John Daly.

B. E. WADSWORTH,

Box 224, Danville, Ill.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMANI FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Geo. A. Kuhl,

WHOLESALE AND RETAIL
FLORIST,

PEKIN, : ILL.

Ferns for Dishes

Per 100 Per 1000
2½-in \$3.50 \$30.00
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

ASPARAGUS

Per 100
Asparagus Comorensis, 1-yr.-old clumps.....\$5.00
Asparagus Elongatus, 1-yr.-old clumps..... 5.00
Fine stock for dividing up.

GEO. REINBERG,
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Boston & Whitmani Ferns

From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.

Superbissima, 5-inch 20c; 6-inch, 35c.

Dracena Indivisa, 2½-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.

Cannas, in ten leading varieties, \$2.00 per 100.

Write for special prices in large quantities.

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World's Choicest Florist and Nursery Products. RHODODENDRONS.

In all bright colors; fine forcing varieties; good value.
\$9 00. \$12 00 \$15 00. \$18 00 per doz.

CAMELIAS. Well budded plants, variety of colors, \$15 00 \$18 00. \$24 00 per doz.

ACACIA PARADOXA. Fine plants, \$12 00, \$18 00, \$24 00 per doz.

Pot-Grown Forcing Plants.

	Per 100	Doz.
Azalea Mollis	\$35 00	\$4 50
Deutzia Gracilis	15 00	2 00
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Malus, Flowering Crab		15 00
Diclytra Spectabilis	6 00	
Aucuba Variegated , for window boxes, 12-15 in.		4 00
Aucuba , fine plants, 18-24 in.		9 00

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Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

Nurserymen, Florists and Planters,

ROSES.

H.P., low budded, 2 yr., fine stock for forcing in pots, following varieties:
\$15 00 per 100; \$120 00 per 1000.

Gen. Jacqueminot,	Marie Baumann,	Gabriel Luizet,
La France,	Frau Karl Druschki,	Magna Charta,
Pæonia	Baroness Rothschild,	Mme Plantier.
Ulrich Brunner.	Mrs. John Laing.	Mrs. R. G. Sherman
Baron Bonstettin.	Gen. Washington.	Crawford.
Crimson Rambler , home grown, 2 year old, 2 3 ft.	Per doz.	100
well branched, own roots	\$2 00	\$12 00
2 year old, 2 3 feet, well branched, budded	2 00	12 00
3 year old, 3 4 feet, well branched, own roots	3 00	15 00
3 year old, 4 5 feet, well branched, budded	3 00	15 00
Dorothy Perkins , strong field grown	2 00	15 00
Baby Rambler , half standard, 30 in. high	9 00	
Lady Gay , 2 year old		15 00
Baby Rambler , dormant, field grown, selected, budded plants		16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

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We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10 12 inches, \$20 00 per 100; 12 15 inches, \$25 00 per 100; 15 18 inches, \$35 00 per 100.

Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viand., Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C., \$1.00 per 100.
Cash with order.

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Roses in 200

sorts for immediate or spring delivery.

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SPRINGFIELD-OHIO

Asparagus Sprengeri

Good, Healthy Stock.

From 2½-in. pots, \$4.00 per 100
In 1000 lots, 3.50 per 100

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PALMS, FERNS AND

Decorative Plants

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BROOKLYN, N. Y.

Calla Elliottiana..

Largest size, \$20.00 per 100
2nd size, 15.00 per 100

Leedham Bulb Company, Santa Cruz, Calif.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of
Merit by the Horticultural
Society of New York.

Prices: In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000.
25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery.

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SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

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New York.

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D. U. AUGSPURGER & SONS CO.

Wholesale Florists

Peoria, Ill.

See our advertisement, page 504, Oct. 1 issue
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Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

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Rooted Carnation Cuttings

For December Delivery.

ENCHANTRESS, PERFECTION,
BEACON, \$3.00 per 100;
\$25.00 per 1000.

ROSE PINK and WHITE
ENCHANTRESS, WINSOR,
\$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co.,
JOLIET, ILL.

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Verbenas! Verbenas!! Verbenas!

The Gem Bedding Plant.

Send for circular.

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Bloomsburg, Pa.

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None better at any price \$2.50 per 1000; 5000.
for \$10.00.

Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2½-inch pots, \$2 00 per 100; \$5.00 for 500.

Violets, field grown, Lady Campbell to clean out, \$5 00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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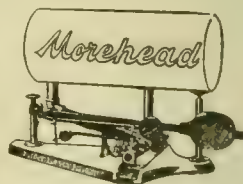
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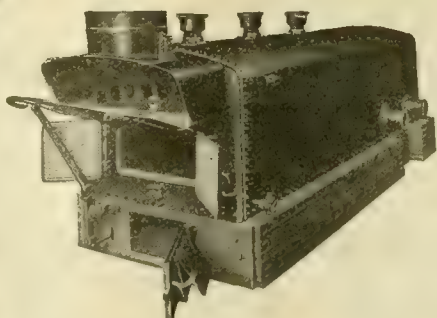
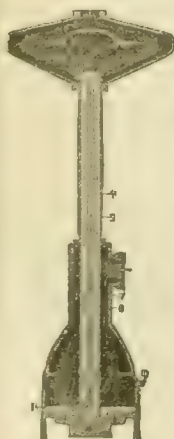
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CAN SHIP ANY SIZE AT ONCE



MORE KROESCHELL BOILERS
USED FOR
GREENHOUSE
HEATING THAN
ANY OTHER
MAKE

Telegraph Order

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452 W. Erie St., CHICAGO

The Kroeschell Generator should be on every hot water heating system. It speeds up the circulation.
SEND FOR CATALOGUE.

Ready Reference Section.

10 CENTS PER LINE, NET.



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Alternantheras, red, yellow and Brilliantissima, rooted cuttings, 50c per 100; \$4 per 1,000; 2½ in., \$2 per 100; \$18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

ARAUCARIAS.

Araucaria excelsa, 5-in., \$9 per doz.; 6-in., \$12; 7-in., \$18. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½ in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengeri, 2½ in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½ in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprengeri, 2½ in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengeri, 2-in., \$1.50 per \$100; 2½ in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½ in., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, 2½ in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengeri, 2½ in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri and plumosus. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 2-in., 2½ c. Asparagus Sprengeri, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengeri and plumosus. For sizes and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus Sprengeri, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½ in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengeri and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus plumosus, 3-in., \$5 per 100; 2-in., \$2.50. The Reeser Plant Co., Springfield, O.

AUCUBAS.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

AZALEAS IN BLOOM. Fine plants, worth \$12, \$15, \$18 and \$24 per dozen. Specimens, \$3 each. Very showy for Christmas. See Cyclamen offer. Gullett & Sons, Lincoln, Ill.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 2½ in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 5-in., 50c; 6-in., 75c and \$1 each. A. N. Pierson, Inc., Cromwell, Conn.

Gloire de Lorraine begonias, 3½ in., 25c; 4-in., 35c; 5-in., 50c. Geo. A. Kuhl, Pekin, Ill.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Red begonias, 2½ in., \$5 per 100, four varieties. Geo. A. Kuhl, Pekin, Ill.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Boxwood. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Japanese lilies, giganteum, multi-florum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Dutch bulbs. Dutch Bulb and Seed Growers, Ltd., Haarlem, Holland.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

CARNATIONS.

Carnations. Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dorner & Sons Co., La Fayette, Ind.

Carnation, Washington, \$10 per 100; \$75 per 1,000. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

Mum stock plants. Beatrice May, Gloria, Mrs. W. E. Kelley, Winter Cheer, 75c; Pres. Taft, \$1.00; White Helen Frick, \$2.00; DONATELLO, EDMUND ALBE, ELISE PAPWORTH, \$3.00. All per doz. J. L. Schiller, Toledo, O.

Chrysanthemums, Yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cineraria, 2½ in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 60c per 100; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, Verschaffeltii, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, G. Bedder, Verschaffeltii, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. A. N. Pierson, Inc., Cromwell, Conn.

Crotons, 3-in., \$2 per doz.; 4-in., \$3. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Crotons, 75c, \$1, \$1.25 each. Geo. A. Kuhl, Pekin, Ill.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

CYCLAMEN FLOWERING. Choice plants, in bloom, 55c, 50c, 75c, \$1 and \$1.50 each. See azaleas, classified. Gullett & Sons, Lincoln, Ill.

Cyclamen, 2½ in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Cyclamens, extra well budded, 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinet, 7-in., \$2.50 per doz.; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Dracena fragrans. For prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaenas, \$1, \$1.50, \$2 each. Geo. A. Kuhl, Pekin, Ill.

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. *Cibotium Scheidel*, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. *DICKSONIA ANTAIRICA*. A grand commercial tree fern of greatest value, 4-in. stock, \$8 per doz.; \$65 per 100. **FERN SEEDLINGS** in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. *ADIANTUM CUNEATUM*, 4-in., \$12 per 100. *Asparagus plumosus nanus* and *Sprengeri*, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. Y.

Ferns, Whitman, 4-in., \$12.50 per 100; 3-in., \$8. Superbissima, 4-in., \$25 per 100; 3½-in., \$20. *Todeoides*, 4-in., \$20; 3-in., \$12. For dishes, 2½-in., \$3.50. The Reeser Plant Co., Springfield, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. *Magnifica*, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Pieroni, 2½-in., 4c; 3-in., 8c. *Elegantissima*, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. Heavy plants, Boston, 4-in., \$15 per 100. Pieroni *Elegantissima*, Barrows, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Boston ferns. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns, 5-in., 40c; 6-in., 60c. Assorted for ferneries, 2 and 2½-in., 6c. Park Floral Co., Denver, Colo.

Ferns, Scholze, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. *Giatrasil*, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Ferns for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus pandurata, 6-in., \$2.50 each; 7-in., \$3.50. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus pandurata, 6-in., \$1 each. A. N. Pierson, Inc., Cromwell, Conn.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beaute Poitevine, Mme. Buchner. Strong healthy cuttings, well rooted, prompt delivery, \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums. Special offer, see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geranium cuttings, S. A. Nutt, not rooted. A 1 stock, 75c per 100. Northside Greenhouses, 55 East Pultney St., Corning, N. Y.

Geraniums, standard varieties, rooted cuttings, \$1.50 per 100; \$12 per 1,000; 3-in., 5c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Poitevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. R. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, fancy and dagger ferns, \$1.50 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Green Roping, 20 yards in roll, at 3, 4 and 5c per yard. Green wreaths, 12-inch, \$1; 14-inch, \$1.50; 16-inch, \$2 per doz. With cape flowers, \$1.50, \$2, \$2.50 and \$3 per doz. Blankets for cemetery, 2½x6 feet, \$3; 3x7 feet, \$4 each. Magnolia Wreaths, 14-inch, 75c; 16-inch, \$1.25; 18-inch, \$1.50 each. Geo. A. Kuhl, Pekin, Ill.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, galax, dagger and fancy ferns, leucothee sprays, etc. For prices see advertisement elsewhere in this issue. North Carolina Evergreen Co., Banner Elk, N. C.

Greens, holly, \$3 per case. Sheet moss, per bbl., \$1.25. Laurel stems, per bag, \$1. branches, per case, \$2.50. W. Z. Purnell, Snow Hill, Md.

Greens, laurel wreathing, sheet moss, galax, leucothee and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens of all kinds, Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Jap air plants in canoes, \$2; in baskets, \$1.50 to \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

Holly. T. J. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arboreas Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea arborescens grandiflora, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangeas Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

10,000 Hydrangea Otaksa, pot grown, 4-in., \$8 per 100; 3-in., \$5 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

Jerusalem cherries, \$2.50 per doz.; \$20 per 100. A. N. Pierson, Inc., Cromwell, Conn.

4,000 Jerusalem cherries, pot grown, loaded with ripe berries, fine stock, 4-in., \$15 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries in fine color, 3-in., \$10; 4-in. \$12.50. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, Mme. Lemoinel, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X, Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips, Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley clumps, \$15 per 100. A. N. Pierson, Inc., Cromwell, Conn.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 for \$5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, *Hydrangea paniculata*, Grandiflora, *Viburnum plicatum*, altheas, *Berberis*, *Thunbergia*, California privet, *Clematis paniculata*. For prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rockery. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, glants, Masterpieces, Bugnot, Mme. Perret, Prize Trimardeau, Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Panies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, for prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms, Kentia Bel., 2 1-2 in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, 50c, 75c, \$1, \$1.50 and \$2.50 each. Geo. A. Kuhl, Pekin, Ill.

Cocos Wedd., 3-in., \$15 per 100. A. N. Piereson, Inc., Cromwell, Conn.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, \$5 per 100; \$40 per 1,000; 2-in. stock. Cash please. A. J. Waget, Mansfield, O.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

POINSETTIAS.

Poinsettias, 2 1/2-in., \$5; 3-in., \$10; 4-in., \$15. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, Chinese, 2 1/2-in., \$1.50 per 100; \$2 per 1,000. Obc. alba and rosea, \$1.50 per 100. Obc. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula for 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA. Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese, Baby and Obconica, 2 1/2-in., \$5; 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinesis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, 5-in., \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica Grandi., 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primulas, Chinese, 2 1/2-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smit, Naarden, Holland.

ROSES.

Rose Melody, own root, \$6 per doz.; \$30 per 100; \$70 per 250; \$250 per 1,000. Double pink Killarney, own root, 2 1/2-in., \$4 per doz.; \$20 per 100; \$40 per 250; \$150 per 1,000; Grafted plants, \$30 per 100; \$250 per 1,000. Robert Scott & Son, Sharon Hill, Pa.

Roses, budded-field, grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Queen, 50c each; \$35 per 100; \$300 per 1,000. Mrs. Aaron Ward, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Dingee & Conard Co., West Grove, Pa.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedie Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros, Fishkill, N. Y.

Seeds, cyclamen; Brilliant, Excelsior, Grandiflora alba, Mauve Queen, Mont Blanc, Picturatum, Prince of Wales, Rosy Morn, Giant Salmon, King, Sunray, finest mixed all colors, 100 seeds, \$1; 1,000 seeds, \$8. Fottler, Fiske, Rawson Co., Faneuil Hall Square, Boston, Mass.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmer Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiana & Son, Baltimore, Md.

Seeds. For varieties see advertisement elsewhere in this issue. L. Dahmfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed. Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seed onion. N. J. Westerman, Beuchel, Ky.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratekins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds, Growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle pines, 2 to 4 ft., \$2.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spiraea. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-clumps, \$6 per 100. Dingee & Conard Co., West Grove, Pa.

STOCK WANTED.

Wanted—Potted plants for holiday trade. C. C. Trepel, at Loeser's, Brooklyn, Bloomingdale Bros., New York.

Stock Wanted.—Small hardy, ornamental nursery stock. Give prices and condition of stock; also varieties in first letter. Address, Yancey Bros., Porterdale, Ga.

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Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCollough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.
 Budlong, J. A., 87-89 Randolph St., Chicago.
 Dillon, J. L., Bloomsburg, Pa.
 Elliott, W. H., Brighton, Mass.
 Hill, E. G. Co., Richmond, Ind.
 Poehlmann Bros. Co., 33-37 Randolph St., Chicago.
 Reinberg, Geo., 61 Wabash Ave., Chicago.
 Reinberg, Peter, 85 Randolph St., Chicago.
 Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.
 Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.
 Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
 Boston—Thos. F. Galvin, Inc., 124 Tremont St.
 Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.
 Boston—Penn, the Florist, 43 Broomfield St.
 Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.
 Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.
 Buffalo, N. Y.—S. A. Anderson, 440 Main St.
 Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.
 Cedar Rapids, Ia.—J. E. Lapes.
 Chicago—A. Lange, 44 E. Madison St.
 Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
 Cincinnati—Julius Baer, 138 E. Fourth St.
 Cleveland, O.—The Cleveland Cut Flower Co.
 Cleveland, O.—The J. M. Gasser Co.
 Colorado Springs, Colo.—Frank F. Crump.
 Dallas, Tex.—Texas Seed and Floral Co.
 Dayton, O.—Matthews, 16 W. 3rd St.
 Denver, Colo.—Daniels & Fisher.
 Denver, Colo.—The Park Floral Co.
 Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.
 Grand Rapids—Grand Rapids Floral Co.
 Grand Rapids, Mich.—Eli Cross, 25 Monroe.
 Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.
 Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
 Kansas City—Geo. M. Kellogg Flower and Plant Co.
 Kansas City—Samuel Murray, 913 Grand Ave.
 Kansas City—Wm. L. Rock Flower Co.
 Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.
 Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
 Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
 Louisville, Ky.—F. Walker & Co., 634 4th Ave.
 Milwaukee—C. C. Pollworth Co.
 Nashville, Tenn.—Gony Bros.
 New York—David Clark's Sons, 2139 Broadway.
 New York—Dard's, 44th and Madison Ave.
 New York—International Floral Assn.
 New York—Alex McConnell, 571 5th Ave.
 New York—Malandre Bros., 2094 Broadway.
 New York—Myer, Florist, 609 Madison Ave.
 New York and Washington—J. H. Small and Sons.
 Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
 Philadelphia—J. J. Habermehl's Sons.
 Philadelphia—Robt. Kift, 1725 Chestnut.
 Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
 Rockford, Ill.—H. W. Buckbee.
 St. Louis—F. H. Weber, Boyle and Maryland Aves.
 St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heinel & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L. St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shafer, 14th and I Sts., N. W.

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Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.
 Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.
 Boilers. Metropolitan Material Co., 1304 Metropolitan Ave., Brooklyn, N. Y.
 Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.
 Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.
 Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.
 Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.
 Boilers for greenhouses, Giblin & Co., Utica, N. Y.
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 Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.
 Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.
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 Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.
 Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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 Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.
 Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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Gutters. Jennings' Improved Iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.
 Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

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 Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.
 The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.
 Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.
 Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.
 Christmas bells, 6-in., heavy tissue, 50 for \$3; 8-in., regular tissue, 50 for \$2. Vaughan's Seed Store, Chicago.
 Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.
 New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.
 Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.
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 Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.
 Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.
 Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.
 Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.
 The benches and tile bottoms. The Camp Conduit Co., Cleveland, O.
 Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

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"NUF-SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.
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 The Red Pot, C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.
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It has a raised vestibule lobby and the sunken garden effect for the rest of the house.

It is, to our way of thinking, the ideal way of treating Palm Houses.

Our New Catalog shows several interiors of Palm Houses that are arranged with the raised vestibule or lobby. If you have this catalog, look on pages 54 and 55. If you haven't a copy, send for one. We want every Gardener and Superintendent to have one.

Lord & Burnham Co.

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New York Boston Philadelphia Chicago
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Brampton, Ont.

The annual flower show held in connection with the Ontario Horticultural Society's exhibition in Toronto last week hardly came up to the standard of previous years. The reasons would be interesting to learn; meanwhile the fact remains that the bulk of the prizes came to Brampton as usual. The Dale Estate exhibit practically monopolized the space with eight first prizes out of eight entries in chrysanthemums, eight first and one second out of nine entries in carnations, and four firsts and two seconds in roses as the result. No doubt this feat can be performed again, but in the interests of floriculture we shall all hope for a little more competition next year.

NOTES.

In your second issue of November your Toronto correspondent remarked that the growers were "boosting" the price of violets. One does not remember anything having been said six weeks ago by the same writer when these innocent little blooms went from their beds to be slaughtered at 40 cents per hundred. In Canada, at least, violets are very much off crop after the first big picking in the fall, and the grower is very lucky whose weather conditions are favorable to gathering at Christmas—the time when they are most wanted. In the meantime, somebody "has to pay the piper."

The extraordinary pressure of business this year at the Dale greenhouses has resulted in extended hours for the men outside, many of whom will be feeling the cold if all the building operations undertaken are to be completed before 1911. Everything inside is in first rate condition, and prospects very hopeful for the holiday rush.

The town's water supply was cut off for nearly a week on November 14,



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through an accident to the intake at the lake, and all the greenhouses in this vicinity were severely taxed during that period. Extra hard work and vigilance on the part of the engineers, however, together with water pumped from the creek, helped to tide over the difficulty.

Mark Henderson and Walter Calvert are enjoying the first fruits of their respective ventures this season, the former having just cleared his new greenhouse of a splendid crop of chrysanthemums and the latter of a very satisfactory harvest of violets.

W. G. P.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
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SELF-FEEDING HOT WATER BOILERS.

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The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

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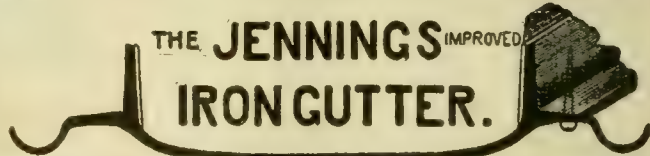
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Send for our Special Heating Catalog, filled with valuable information: tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. 300,000 feet of Standard Pipe, all sizes: will be cut to any length.

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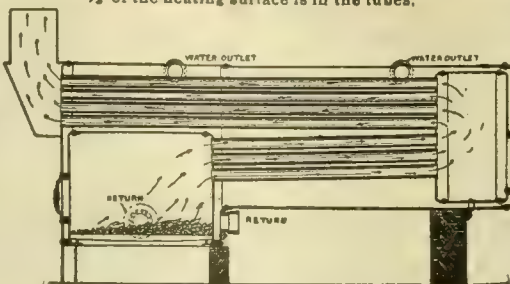
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The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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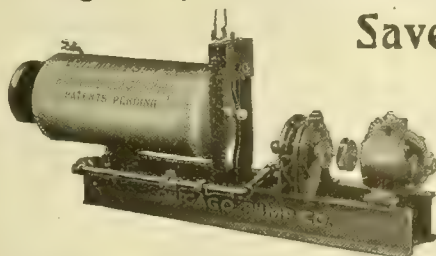
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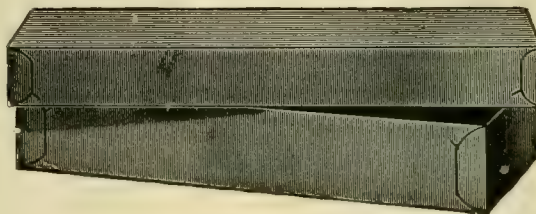
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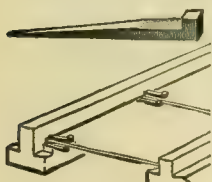
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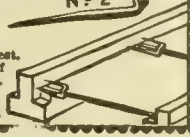
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USE 1910

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The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

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GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; post-paid, \$1.21.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

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THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

EVERYBODY'S PAINT BOOK (Gardner).—The author has given in this book easily understood instructions for painting anything from a board fence to a fine room and so well is it illustrated that almost every tool a painter needs is shown and described. The perusal of this book will save much money to those who have a bent for this kind of work. It contains 180 pages. \$1.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

BEAN CULTURE (Seyce).—An excellent practical treatise on this important crop containing instructions on all phases of culture from seed sowing to harvesting and marketing. Profusely illustrated, 144 pages. 50 cents.

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GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE ORCHARD AND FRUIT GARDEN (Powell).—One of the most complete works we have seen on this subject for a considerable period. It is divided into three parts, the orchard, the fruit garden and cultural directions. The volume is well illustrated and the author is a practical man who knows his subject. The book contains 321 pages. \$1.50.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.



CHRISTMAS WREATH.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, DECEMBER 24, 1910.

No. 1177

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1910, by American Florist Company.
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under act of March 3, 1879.

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AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass., March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston, March 1911. WM. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

Our Supplements

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Chrysanthemum Stock.

The chrysanthemum grower should by this time have his stock plants selected and blocked up where they are to be grown for the next season's cuttings. There were many novelties exhibited this year that are going to make good commercial varieties, and if it was impossible to visit any of the fall shows, attention must be given to the opinions that are being and have been expressed regarding the merits and demerits of these varieties, by unbiased and uninterested writers. These should all be weighed carefully and the opinions and judgments of the committees of the Chrysanthemum Society of America noted and if any variety looks as if it may fill a want the purchase of a limited quantity will not cause a heavy outlay, and if it does not come up to expectations, no serious loss. But if, on the contrary, it proves a good thing, there will be a great gain, for next year the stock can be greatly augmented and to the grower who has a retail business will be a great feature to show his customers. Of the varieties that were introduced this year, much has been written, and where a stock of any of the varieties is desired, it is not too late to purchase a few stock plants and raise the spring stock oneself, which will certainly be a great saving over waiting until spring and buying the young plants. Beside the grower knows what he has when he handles his own stock, which, in the majority of cases, is apt to be fully as good, if not better, than any he can buy.

Bulbous Plants.

The bulbs of the earlier varieties of narcissus and tulips, if procured early in the fall, should now be well enough rooted to produce good flowers. Those that are first brought into the greenhouse will require more heat than they will later on, and should be shaded to obtain the necessary length of stem. Where there are hot water pipes under the benches the grower has an ideal place to force these bulbs early in the season. The pots or flats should not be placed directly upon the pipes but an inch stick two or three inches wide

can be laid upon the pipes, and the pots or boxes placed upon these, which will allow the heat to reach the soil and yet not burn the roots as might be the case were they placed directly upon the heating pipes. If placed close to pipes they must be carefully watched for they dry out very rapidly and should be well watered frequently. A few papers or other shade hung on the light side of the bench will give the necessary shade until the plants have attained the requisite height when they should be given full sunlight that the foliage may assume its proper color. The Von Sions and early trumpet varieties of narcissus can be easily brought into bloom as well as the earlier varieties of tulips, but be sure that they are well rooted and that the receptacles in which they are grown are filled with roots. If the bulb stock is still out of doors, and the grower has a cellar where they can be held cool until wanted, it is much better to bring in the stock that is to be forced during the severe winter weather, and store it in the cellar where it can be easily procured during the cold season. It is a very hard and disagreeable job, and sometimes almost impossible, to dig outdoors during the hard winter, and get the boxes and pots necessary for a continuous crop, and just as good results can be obtained if they are stored in a good cellar after the roots have formed.

Sweet Peas.

The sweet peas that were planted in the fall and are now in bloom, or approaching the blooming stage, should be kept tied up and growing erect. The beds or benches will have to be gone over very often and the vines caught into the strings, for the plants grow very rapidly and if they get away from the supports the growths hang over and the blooms will have crooked stems, making them of much less value. The plants that are now in bloom will be greatly benefited by an occasional stimulant. A weak solution of nitrate of soda will be of great assistance, resulting in longer stems and better flowers. It is now time to plant the seeds of the winter blooming varieties in order to have a good crop for

Easter, when the earlier plantings are beginning to get through blooming. These can be planted directly in the bench, placing four to six seeds six inches apart and about two inches deep, the rows far enough apart that the flowers can be easily picked and so the vines will not get entwined with the adjoining rows, three feet being a good average distance between rows. If the benches are not yet ready the seed can be sown in three or four-inch pots and later transplanted into the benches. Great care must be taken in the watering of the seed and the plants when they first come up. They should be kept on the dry side until they are at least six to eight inches high or the seed will rot and the plants damp off. Light fumigations or spraying with nicotine solutions should be followed up continuously in growing these popular flowers.

Violets.

The violet plants should now be gone over regularly, and all the old leaves that are showing decay should be carefully picked off and burned. At this season of the year all the air possible should be given these plants, never mind if the temperature runs low, take advantage of every chance to give the violet house ventilation. The violet is a cool-growing plant, and does not take kindly to artificial heat, so the heating pipes should be taken off at the earliest possible moment and as soon as the sun warms up the houses in the morning, the ventilators should be opened a little. Careful watering should be done now, for with the soil covered with foliage the evaporation is very small and it is very easy to overwater. The soil should be kept well scratched up on the surface, to allow the air to get in and keep it sweet. Everything that can be done to keep a bright, clear, cool atmosphere during the dark, short days should be the aim of the grower for the violet cannot be successfully grown in a stuffy, close and damp atmosphere. Black aphids are sometimes very troublesome in violet culture but ordinarily do not get a hold, unless the houses have been run too warm. Where they obtain a foothold, they are very hard to get rid of by fumigation with tobacco, for they get into the crowns and under the foliage, where the fumes do not reach. The most efficacious remedy is fumigating with hydrocyanic acid gas and this should be followed up at least once a week for two or three weeks. Where this remedy cannot be used a weak solution of tobacco liquor dropped on the crown of the plant, if continued every few days, will keep these pests down. Aphine is spoken very highly of by those who have tried it, and any grower troubled with these insects should give it a trial.

CALAIS, ME.—Ernest G. Young has purchased a one-half interest in the floral business of J. R. Sederquest at 173 Main St., and the business is to be carried on under the firm name of Ernest G. Young Co.

ELDORA, IOWA.—The Pollard Floral Co. has erected two new houses 150 feet in length of Lord & Burnham construction, making the area of the plant 15,000 square feet. These houses are situated on a beautiful piece of property consisting of thirty or forty acres, much of which will be planted to fine nursery stock.

THE RETAIL TRADE

Conducted by Robt. Klft, Philadelphia, Pa.

Basket of Statice and Red Ruscus.

SEE SUPPLEMENT WITH THIS ISSUE.

There are always corners or places in the store or office where a little ornamentation is necessary that require something either lighter or of more color than a decorative plant and the dried grasses and flowers and prepared foliage now manufactured, arranged in handsome baskets, make very attractive features for these locations. They can also be placed in many drawing rooms or halls, being very decorative features in dark corners where no decorative plant would either live or show



Christmas Basket by E. Weinhoeber Co.,
Ardisia Crenulata in Bark Basket.

to advantage. Among the dried flowers, the statice is one of the finest for this purpose. It is light and showy and will keep in handsome condition for a long time, and arranged with the dried grasses or perpetuated leaves and boughs is very ornamental. In the grasses, the plumes of pampas grass, and the spikes of eulalia, or the old Arundo donax are very useful and ornamental in the arrangements. There are many dyed leaves, boughs and vines now manufactured and carried in stock by the supply houses, such as the beeches, oak and red ruscus and the greenhouse products, are colored and perpetuated, very beautiful sprays of adiantum and asparagus plumosus are now to be obtained that add materially in these decorative features. Any of the products arranged in handsome receptacles and placed in prominent locations in the store are very decorative and sure to attract the attention of the customers.

The basket which we illustrate with this issue is a very handsome and simple arrangement in a beautiful basket and shows what an attractive feature can be made of these materials.

Harvest Wreaths.

Plait the three different kinds of grain—wheat, barley, oats—into separate little bunches, of about a dozen heads in each bunch; and cut off the straw so as to leave it about a foot long.

The wreath of evergreens, etc., should be wound with fine wire upon a strong string, the required length of the wreath, and the little bunches of grain woven in at regular intervals, and in proper rotation oats, wheat and barley, so that when the wreath is fixed up, the grain hangs out a fringe along the bottom. Into the top of the wreath flowers may be studded as thickly as possible. A. E. K.

Suggestions for Decorations.

The decoration of a buffet sideboard forms an important part in the floral arrangement of the dining room. Across the back of the sideboard nothing is better than an artistic arch formed of flowers and foliage of the prevailing flower used in the decoration. Tall growing plants and palms can be arranged and the wire for the arch placed in the pots, the pots being concealed with ornamental cases or fern fronds; common ivy forms a good foundation.

A silver epergne filled with cut flowers placed in the center. Flowers for stands on the sideboard should be large and arranged with as bold an effect as possible.

A rough block of ice with ferns and flowers around the base—a few stems of blooms inserted in the ice (little holes having been drilled for that purpose), a few light sprays of creeping ferns lying over the whole has a charming effect. But when this style of decoration is used there must be some vessel employed into which the water from the ice can drip; small neat plants should cover this.

It may not be amiss at this time to state that one of the most talked about and most oddly artistic effects was shown in a ball decoration which my late father made for James Gordon Bennett at his Bellevue avenue residence in Newport, R. I. It was an outdoor affair—a platform having been built on the lawn. In this temporary ballroom a huge mass of ice blocks were placed at side in the middle center of the long platform; the blocks of ice were so placed that a square opening appeared between the blocks in which miniature electric lights were placed, covered with green catgut; these were surrounded with small rosebuds and their foliage, while asparagus vines fell from the aperture, covering the larger part of the ice cakes. A huge garland of these same roses finished the lower part of the ice mound; and a loose spread arrangement of roses fell in uneven folds over the top of this mound of ice. The main color scheme was pink. From the four corners large hanging baskets were suspended, filled with American Beauty roses and asparagus vine. These were caught below with wide green sash ribbon and extended to the center of the dancing floor, where it was attached to an immense

ball of American Beauty roses surrounded with miniature electric lights covered with green. Pink rose garlands were draped in artistic fashion along the middle of the walls, or rather the side awnings. Palms were placed where necessary. The souvenirs for the ladies were leghorn hats filled with pink moss roses tied with immense pink sash ribbon to carry over the arm; a large round boutonniere of pink carnations were given the men. It was conceded to be the most picturesque ball and garden party that was ever given by a private individual and one of the largest both in expenditure and number of guests entertained.

A. E. K.

A Christmas Window.

The holiday window displays of H. R. Hughes, Van Buren street, Chicago, always show a great deal of thought and originality and the picture he presents this year in his window for Christmas, which we illustrate, represents one of the features of the garment workers' strike now existing in this city. The poorly-clad child, with her small dinner box in her hand, entering the shop, and the other poor girl trying to sell the papers, which were issued in the aid of the strikers, with the story of the hardships and poverty of the underpaid help, under her arm. Mr. Hughes always issues a card or folder picturing his window displays and the following story is printed this year in the folder entitled, "What the Big Chief Thought of Chicago":

"A number of years ago an old Indian chief, who, in his day, had been quite a power among the western tribes, and had caused the government a little trouble, came to Chicago to see the big city, about which the cattlemen and ranchers had told him. He had letters from army officers to influential men in the city, and these men took great pains to show him about and impress him with the wonderful superiority of the white man over the red. They showed him the stock yards, the department stores, the high buildings, the parks and driveways and the great manufacturing plants, and, when it was all witnessed, they set him down in a comfortable chair in one of the clubs, and asked him what in all Chicago had made the greatest impression upon his mind. His reply was, 'Little children working.' In his native state he had never known of such a thing as children doing hard labor. They had always been free to play at will, developing their sound and strong bodies to do the work, or fight the battles of mature years.

"Since that time I have never considered the Indians quite so uncivilized as they are commonly thought to be, and I have never viewed our boasted civilization in quite the same light as before. We are a wonderful people, there is no doubt, and we have achieved some very wonderful things—in fact, some are fearfully wonderful. One of these exploits is the harnessing to a long day's work, children fourteen and sixteen years of age, thus stunting their growth, making them unfit to breed another generation when their time comes, and thereby handicapping the republic fifty years from now.

"The streets recently filled with striking girls, driven to desperation in their efforts to compel the clothing manufacturers to pay increased wages

was a sad spectacle and a deplorable state of public feeling. If we must work the children, let us thoroughly supervise their work by state or municipal authorities, and see that they are given a fair chance, and that their work is not too hard nor their day too long, and that their compensation is sufficient.

"We are all believers in religion, and religion embodies the Golden Rule. Any creed is good enough to help things along wonderfully, if it is only practiced seven days a week. It seems to me that the greatest need of our great city of Chicago is not a beauti-

the Japanese air plant, which was supposed to be gathered on the eastern shores of the Pacific ocean, then sent to Germany where it was treated with chemicals to make it everlasting, and afterwards coming to us all ready for the various purposes for which it has become so well known, circling the globe almost before reaching us, this same weed is now being gathered in Jamaica Bay, N. Y., and is being prepared in Mr. Netschert's factory in East New York, thus doing away with the tedious round about methods of securing the air plant and also reducing materially its cost.



CHRISTMAS WINDOW AT H. R. HUGHES, CHICAGO.

ful lake front, nor more automobile driveways nor a big harbor, but a little more morality for six days of the week in business and politics.

"Just to focus a little attention to the children's side of the recent strike, I have put up a scene in the windows of my flower shop on Van Buren street, and printed the folder to tell you why I have done so."

Prepared Plants.

At Frank Netschert's, 39 Barclay street, there were to be seen many things in perpetuated green material that would interest anyone, grower or retailer. We appreciate the fact that the regular dyed-in-the-wool florist abhors everything that is of an artificial nature, yet there are times and seasons when even the most conservative stickler for the real thing will dip just a little into the sea of artificiality, for have we not seen the pseudo-poinsettias carefully intermingled with the choicest of palms and decorative plants in some of the very swellest of our retail displays? Of course we have, and with a stock of the real flowers for selling purposes, and the imitation ones used to help the display, the results necessarily are beneficial all around.

What we started to talk about was not the artificial things, anyway, but the prepared natural things. For instance, that now well known accessory,

Asparagus plumosus, adiantum, holly sprays, oak leaves are all used for perpetuating purposes, and from the extent of the samples on view in the show rooms, and the number of young ladies who are showing the various products to intending buyers, it is quite evident this branch of our trade has grown to immense proportions. The prepared natural Christmas trees were an item of interest to us from the fact that in their preparation they are rendered absolutely fireproof; they cannot burn under any circumstances, and this particular feature should make them popular for certain occasions. We saw them in various sizes, some glistening as though a touch of frost was there among the pinne, and the fact of their being the real thing and yet fireproof impressed us with the notion that for store decoration, as for the home, they should prove to be an acquisition when tried out.

Akebia Vine in Basket and Chair Making.

Consul-General Thomas Sammons, of Yokohama, writes of the various fancy and useful articles, such as baskets, chairs, valises, etc., made of the akebia vine of Japan, and which are now being exported from that kingdom, 14,034 pieces, valued at \$2,360, having been sent to the United States in 1909. The vine produces a fruit which is considered wholesome and palatable.

Christmas Preparations in Chicago.

The retail stores of the city are resplendent with beautiful plants and flowers and festooned with holiday greens, tied with bright holly ribbon, and the handsome window displays are a grand sight at this season. The stores are draped with quantities of holly, boxwood, laurel and other greens artistically arranged on the walls, and the ceilings hung with Christmas bells, tied with bows and knots of bright red ribbon. Beautiful specimens of blooming, berried and decorative plants in the stores are made especially attractive by being placed in handsome baskets and boxes, and the bright and cheery appearance is a grand sight, as one passes by, at this, probably the most decorative season of the year, not only to the florist, but to all tradesmen. Quantities of artificial poinsettias and the highly colored dyed ferns and palms and the bright beech boughs and red ruscus are used in various ways to brighten the scene. While this may be objected to by some, who always abhor anything pertaining to the artificial in the florist's business, yet it gives the store man an opportunity to make a grand display, that attracts

the beautiful specimens of ardisia. The whole is sprinkled with white, causing a light snow effect. It is a beautiful picture and attracts a great deal of attention. In the store is a beautiful display of well-grown Christmas stock.

W. J. Smyth has his windows very prettily arranged. A forest scene on the Michigan avenue side is well gotten up. The group of evergreens with the small electric lights shining through make a beautiful picture. In the other windows were some very fine araucarias with small bows of red ribbon that were very attractive. Poinsettias in pots and ardisias were used in profusion. The beautiful baskets of plants were a feature and also some smaller baskets of statice and the colored perpetuated ferns were nicely arranged and attractive. This store has had an exceptionally good fall trade, and the new auto delivery car is bound to get a good tryout during the rush.

At the Ernest Wienhoeber Floral Co. was seen a beautiful display of Christmas stock. The show house leading from the office has been transformed into a beautiful salesroom. The sides were covered with bark and the

and sides into which is entwined poinsettias and hanging from the ceiling are balls of boxwood and red ruscus. A fine assortment of plants in baskets with arrangements of ruscus complete this fine show window. The store is also beautifully decorated with greens and Christmas bells, and a profusion of fine plants are shown.

John Mangel's store is exceedingly brilliant with high colored plants and Christmas offerings. The doors are banked with evergreens and wreathing and a fine assortment of Christmas plants are shown. Poinsettias, both cut and in baskets, are very prominent. A very pretty feature noticed here were the Christmas bells, arranged in groups hanging from the ceiling, tied with bright red ribbon with a spray of mistletoe entwined.

H. C. Rowe has a very bright attractive store and the baskets of boxwood and red ruscus are prominent features and very attractive, as well as the nicely arranged baskets of the highly colored adiantums.

Bohannon has a splendid assortment of blooming and decorative plants and a staging has been erected to properly display them. Beautiful specimens of azaleas, begonias and cyclamen are to be seen, and in the decorative plants especially noticeable were some fine Pandanus Veitchii, that were very well grown and highly variegated.

At Fleischmann's, highly colored crotons were a great feature, the plants were large and brilliant and with their matt pot covers made a beautiful display.

Andrew McAdams, on the south side, has some very well grown Christmas plants, the primulas were as fine as one often has the pleasure of seeing, and the azaleas were also very fine. The houses were all in splendid condition, and everything in tip-top shape.

Ranunculus.

A bulb that is not as generally grown by the florist having a retail trade as it should be, is the ranunculus, especially the Persian and turban varieties. The bulbs are very cheap, and the flowers in the late winter or early spring are very attractive, and a great change from the flowers that have been in bloom all winter. One reason that they are not more generally grown is the many failures that have resulted, mainly from a lack of knowledge in starting the bulbs, that is, in watering them before they reach the growing stage. The bulbs are very dry when received and have a claw-like appearance, a crown in the center and the small fleshy roots spreading downward from it. They should be planted in a shallow flat, from one to two inches apart, in a fairly damp soil and then soil enough placed over them to just cover the bulbs. The flats should then be placed under the benches in a cool house. Under no circumstances should they be watered until growth has started, for if this is done the bulbs will rot. The boxes should be covered with heavy paper, to prevent any drip from the bench falling on them, and to prevent evaporation, as well as to keep them dark. In two or three weeks the tops will begin to grow, and the new roots make their appearance. They can then be taken from the flat and planted in pots or deeper boxes, or as is the



CHRISTMAS BASKET BY SAMUEL MURRAY, KANSAS CITY, MO.

Poinsettia Pulcherrima.

the eye of the Christmas shopper without danger of great loss of perishable stock, which is to be taken into consideration at a time when the prices of everything are soaring so high. The majority of the stores are using the Christmas stock for their window displays, but a few special features were noted at some of the stores.

Freidman has a beautiful window decoration. On the left, looking in, is a representation of an English church placed upon a hill with a walk of stone steps up to the door, around the church are arranged small evergreen trees, and on the sides of the hill, which are of green moss, are nice plants of ardisias hanging full of red berries, and at the door of the church stand two small figures, representing a man and woman about to enter. At the right is another hill, upon which are also evergreens and ardisias, and in the dell between which is also of green are more of

roof of the greenhouse hung with cloth over which is draped Southern smilax, from which hang quantities of Christmas bells, and glittering everywhere are small electric lights, making a very beautiful arrangement. Beautiful baskets filled with poinsettias, azaleas, begonias and cyclamen are on every side. A very handsome basket of cattleya plants in bloom was a beautiful offering for some purchaser.

At Muir's, on Michigan avenue, were seen very handsome plants, azaleas and poinsettias were in fine condition, and the baskets of plants were splendid features. The holly wreaths were prominent and they were very artistically arranged. Very fine decorative stock was to be seen in the houses. Trade has been very good at the store all the fall and an elegant Christmas trade is predicted.

C. A. Samuelson has a gorgeous window display. Holly draped at the back



H. A. Bunyard, Vice-President.



John B. Nugent, Jr., President.



John Young, Secretary.



W. C. Rickards, Treasurer.



Chas. Weber, Trustee.



Chas. H. Totty, Trustee.



F. H. Traendly, Trustee.



T. S. Hendrickson, Trustee.

PRESIDENT-ELECT OF THE NEW YORK FLORISTS' CLUB AND HIS CABINET.

custom with many growers, set along the edges of the carnation benches, and they will give very beautiful flowers during the last of March and April, when they will make a valuable addition to the spring-blooming stock.

THE ROSE.

CARDINAL, while flowering freely and bringing flowers of good substance, has been found of poor color in many southern points during summer.

A **LITTLE**, dry, air-slacked lime is of assistance in sweetening the surface, but if used too abundantly, it is apt to fine down the surface soil too much.

RADIANCE is a worthy successor to **My Maryland**, stronger in growth, making an immense number of shoots and a fine clean grower. It stands the summer heat well and the flowers are a delightful shade of rose, pink, borne on good, erect stems.

Roses in the South.

With the holiday season at hand the crop should be pretty well advanced. Constant watchfulness is needed at this time to have the crop in perfect condition. The weather man is liable to dish up a great variety, consisting of specimens torrid and arctic, with a few Scotch mists or miniature London fogs thrown in for good measure. The atmosphere during a warm, cloudy spell is generally surcharged with moisture and great care is needed to ward off mildew. A few inches of air should be kept on the houses all night and a little fire heat used in the early morning hours. Even if the temperature runs up a few degrees, this treatment is better than trying to keep it at normal without fire heat. The heat keeps the air moving and dry and prevents any condensation from falling on the foliage. A light dusting of sulphur and air-slacked lime applied to the foliage in such spells is efficacious as a preventative. While it is always better to have ventilation on both sides of the range I have never seen any harm resulting from opening those on the south side with a south wind blowing. The south winds are generally balmy and cause no mildew.

Liquid manure every ten days will be enough fertilizer to carry the plants over the holidays, if the beds lately had a mulch or top dressing of manure and bone flour. The beds may not require water every day but they still need a good quantity. If allowed to get too dry during a cloudy spell the foliage is liable to burn on the sun's appearance. Killarney is the most touchy subject in this respect and should have first attention.

Any leaves affected with black spot and dead leaves on the beds should be regularly removed and the surface of the beds lightly rubbed with the palm of the hand. The hybrid teas are the more likely to show traces of black spot. Picking off the affected leaves, keeping the plants tied up so that the air circulates freely through them, syringing early enough so that they dry off thoroughly before sundown, and proper ventilation is about all the treatment necessary to prevent this fungus from spreading and is better than all the dope that can be applied.

WM. LEAR.

Potting and Liquid Manure.

Now is the time to get in some good sod soil for potting. If this work has not been looked after it should be attended to at once before too much frost gets into the ground. A good rick of potting compost prepared in the fall and protected is much better for potting off **Manetti** stocks and the young rose stock than to use the soil that is left over from the spring composting—as it contains more fibre and is fresher in every way. Be sure to get a good stiff clayey soil and a soil full of fibre for all own-root plants. A lighter soil will do perhaps to pot off **Manetti** stocks but it must be a good sod in either case. If one prefers, the soil can be piled up, mixing the manure with it in layers, using about one part manure to three of soil, and it should be turned as often as possible until

grow roses successfully is a manure water system. Last fall about this time I made some suggestions about the benefits derived from the judicious use of liquid manure, describing the installment of manure tank, pumping outfit, etc. For the benefit of those that wish to arrange a simple system to carry on this work that will save much time and expense I will describe a practical outfit which can be arranged and should be installed (we think) in any rose-growing establishment, great or small, but it is for the small growers just starting out that may be somewhat benefited. First of all the tank should be large enough to hold enough manure water to water all the roses on the place. It should be built in the boiler room for convenience' sake and to prevent freezing, allowing plenty of room to fill



CHRISTMAS BASKET BY STUMPP, NEW YORK.

Raffia Basket with Cyclamens, Cocos and Ferns.

it is needed; more manure can be added later if necessary when screening it for the potting. Add about one-fourth peck of ground bone to every cubic yard of the compost and keep the soil protected from the weather, especially rain or snow. Freezing will not matter if the soil is not too full of moisture; at all events it should be in good shape to handle at any time on the potting bench after the December 20. It puts the grower at quite a disadvantage to have a consignment of **Manetti** stocks arrive with nothing but a lot of sticky soil to pot them off in.

Another matter we are inclined to believe of considerable importance to

and empty the tank of manure. The tank should be about three feet deep and can be built of concrete, leaving a corner of the tank lower by several inches than any other part of the bottom, so as to drain all the liquid to one spot. This is where the pump suction pipe should be placed. Two removable screens should be provided and three would be better (if the tank is to be a large one), using one-half-inch mesh galvanized wire screen next the manure and one-fourth-inch mesh for the second screen. The screens should be placed far enough apart to prevent clogging. See to it that the liquid when ready for use does not contain anything coarse enough to



CARNATIONS ALMA WARD AND MRS. C. W. WARD AT HENRY M. WEISS & SON'S, HATBORO, PA.

Alma Ward in the Foreground.

stop up the faucets or pump valves, for this will cause a great loss of time which can be easily avoided by screening properly at the start.

For a range of glass, say from 15,000 to 20,000 feet, a two-horse power gasoline engine will furnish sufficient power to run a rotary pump, requiring a one and one-fourth-inch flow and intake pipes. A Fairbanks-Morse two-horse power engine and Gould pump belted to same makes an excellent combination. We have been using such for over five years without a dollar for repairs. The same pipe line that is used for fresh water can be used for the manure water, first arranging the water pipes so that the boilers can be filled and water obtained for the cut flowers while using the manure water, otherwise you will foul the boilers and make a mess of things generally. This can be arranged by supplying the boilers and flower cellars or any other clear water pipes with a line of pipe coming from the water main and separated from the manure water system by a "cut-off." We think this plan would be the most satisfactory one, considering the expense of extra piping just for manure water alone. An overflow at the tank should be arranged so as to work automatically as soon as the man with the hose closes the faucet or in chang-

ing the hose, going from one house to another, etc. The overflow can be arranged the same as a safety valve is arranged on a steam boiler, so it will lift when pumping directly against it and close when the water is being used, adjusting this with weights until all overflow is cut off as soon as the line is in use. The grower will have to use his own judgment in reference to locating the tank and other little arrangements, as there are seldom two establishments planned alike. We mention this make of engine and pump because it has worked perfectly; there are many outfits on the market combining engine and pump—it is up to the grower to make his own selection. As to power, etc., this outfit allows for one man using the hose—for two men at the hose we would suggest double the power all around, but taking everything into consideration the gasoline pumping outfit for manure watering (or for fresh water pumping where the town supply cannot be used) we have found it the best of investments and a great labor-saving device.

As for the benefits derived from the use of liquid manure there are many. First of all there is no waste of the manure as in mulching, and mulching during the late fall and mid-winter has its drawbacks, for even a man skilled

in the art of watering will find it a difficult matter to keep the beds just right under a mulch, and again much dirty and laborious work is done away with. Just a few suggestions regarding the strength and use of the manure water: Cow manure we prefer to any other in making the liquid as it can hardly be made too strong. Sheep manure is good also, but must be used with care, using only half the quantity of good sheep manure as you would cow manure to the same quantity of water. If the plants require feeding, which they usually do about the middle of November, start up with the liquid cow manure and apply it at least once in every ten days. Clean the tanks regularly and always allow the water to stand at least four or five days before using it, and water on clear days, early in the day. Avoid wasting the manure water by pressing the soil firmly at the edges of the beds, so the water cannot run off before soaking in. Give the liquid manure a fair trial and stick to the best fertilizer we have yet found for rose growing—unadulterated cow manure. E.

ST. LOUIS, MO.—A new corporation has been organized and incorporated as the Allegetti Floral Company, with a capital stock of \$500, the incorporators being Bernard P. Barasa, E. S. Berdine and Edmund J. Rice.

THE CARNATION.

The New Varieties.

The new varieties of carnations for 1911 are now being largely advertised and exploited. Intending purchasers, if located within easy distance of the home of any of the novelties, should endeavor to visit the place and judge for themselves, of the qualities and possibilities of the variety under consideration, also, if satisfactory, and a trial is decided on, place the order early, to enable the disseminator to make an early delivery, and to give the variety every possible chance to make good. A short review of the novelties now being offered, so far as they have come under our observation, may be of some help to buyers located a long distance from the place of distribution.

Washington.—The dark pink or Lawson colored sport of Enchantress, has been exhibited in magnificent form during the last two months, first at the Chicago flower show and again at the Chicago Florist Club meeting. It is best described as a well grown Enchantress bloom of the same color as Mrs. T. W. Lawson. The stem, form of flower, and growth are identical with Enchantress. Taking this into consideration together with the beautiful color should make this a good addition to our list of standard varieties.

Bright Spot.—Also a dark pink variety, very bright glistening color, with good long wiry stems holding the flower erect. The fine color, form and general makeup of this variety promises well for its commercial qualities.

Bonfire (Mrs. Beckwith).—Color bright scarlet, has the appearance of possessing fine commercial qualities, the form of flower is good, the size is of good commercial standard, and the stems strong enough to carry the flowers erect. The color is particularly bright.

White House.—A very large white of the White Enchantress form and make-up. This variety was shown in fine form at the carnation meeting in Pittsburg. It is a very large flower, good clear color and has fine long, stiff stems.

White Wonder.—Style of White Perfection but a fuller flower, fine form, good color, large size, with stem long and strong, holding up the blooms in fine shape. We have seen this variety at several shows and in our opinion it is a worthy addition to the white varieties.

Gloriosa.—A beautiful shade of true light pink, fine large flower, good form, strong stem. One of the most promising of any that we have seen.

We are now able to judge of the qualifications of the 1910 novelties, many of them showing up well to date and increased plantings will be arranged for another season.

Mrs. C. W. Ward has made good growth and is now showing a good crop of buds and blooms. It is a fine large flower, good even color of bright pink, and the stems are long and strong, holding the flowers erect, a very promising variety for the commercial standards.

Alma Ward.—A magnificent white of the largest size and elegant form, strong calyx, borne on long stiff stems, the habit of plant is good, but so far the blooms have been few and for ordinary commercial purposes it will

have to do better as regards freedom.

Dorothy Gordon.—Beautiful rose pink resembling Rose Pink Enchantress, but with us very much larger in size and more even in color, good, easy grower, a promising variety.

Shasta.—A good addition to the commercial whites. Our plants were very small and it took them a long time to make growth in the field, so that we cannot be a fair judge as to the blooming qualities, but the blooms we have had have been fine, good clear color, fine form and large size, the stems are stiff and wiry, carrying the flowers upright.

Scarlet Glow.—The brightest of all the scarlets and of extra fine form, its only drawback being a weak stem. If we can only grow this one with stem enough to carry the flower erect,

Carnation Buds Turn Black.

ED. AMERICAN FLORIST:

The leaves on the ends of my carnation plants curl up and stick together and the bud turns black. I cannot find any insects upon them. Can you inform me what is the matter?

M. K.

The curling up of the leaves indicates the presence of thrips. But the cause of the buds turning black would seem to come from the soil or from spraying. I would advise regular spraying of the plants once a week with one of the nicotine preparations, also fumigate regularly. I would also examine the roots of the plants to see if the reason of the buds turning black cannot be traced to soil conditions.

C. W. JOHNSON



CHRYSANTHEMUM DECEMBER GEM.

this would be a winner, owing to its abundant freedom.

Admiration.—With us this is a very large well formed flower, but we cannot get the plants to do anything. They made a poor start and they have not got over it yet.

Sangamo.—A very free, medium sized commercial pink, throws plenty of flowers, of good even color and equally good form, fine easy grower, with strong erect stems; habit of plant very good.

C. W. JOHNSON.

Chrysanthemum December Gem.

December Gem.—A ball-shaped Japanese white, with pink stripe on edge of petals giving a pink or pearly tint to the blooms. Buds selected September 25 were cut December 1, while later ones will give succession to Christmas. Strong stem and ample foliage, 3½ feet high. First Class Certificate December 3. Elmer D. Smith & Co., sponsors.

OBITUARY.

Robert Buist II.

Just before midnight on Tuesday, December 13, Robert Buist, the well known seedsman of Philadelphia, passed away in his eighty-third year at his apartments in the Bellevue-Stratford in that city, having been ill with pleuro-pneumonia.

Mr. Buist was born in Philadelphia September 15, 1837, being the son of Robert Buist, who, in partnership with Hibbert, established the first notable florists' business in Philadelphia and who also acquired note for his successes with roses, the introduction of plants, and as a horticultural author.

In 1855, Mr. Buist started in the seed business, his father having bought the piece of property on Market street for \$35,000. This business was so successful that in two years time he paid back to his father the money expended to acquire the property, and eight years ago sold this property for more than one hundred thousand dollars more than he paid for it. He still continued in business until his death, his present office being on Front street, near Market.

He was a virile example of an upright merchant, devoted to the interests of his business, and, none the less, to the high principles upon which he conceived his business should be carried on. A tireless energy, together with a sincere desire to be of service to those with whom he dealt, enabled him to build up a large enterprise, and to win for himself the honor and respect of his fellows.

It was his desire that his death should not affect in the slightest degree the continuance of the business in which he was so deeply interested. Under the terms of his will, it will be continued under corporate form for the benefit of his estate and of his three leading men who were associated with him for so many years. Harry C. Stahler, associated with Mr. Buist for nearly thirty years, will continue to direct the business as general manager; Edward J. Flood will take entire charge of the sales department and A. B. Kochersperger charge of order and stock department.

He married, in 1861, Miss Herminia Matthieu, who died four years ago, and born to them were a son and a daughter, the former not living to reach manhood. The only surviving relatives being a sister, Mrs. Helen Buist Redford, and a granddaughter, Roberta de Jannon.

Anthony Wiegand.

Anthony Wiegand, the well known florist of Indianapolis, Ind., died at his home, 1620 North Illinois street, December 19, having suffered a stroke of paralysis.

Mr. Wiegand was born April 25, 1832, in Germany. He received his education in his home country, where he remained until he was twenty-two years old. Coming to Indianapolis in 1859, he opened a greenhouse on Kentucky avenue. Here he was so successful, that in 1879, larger quarters being found necessary, he removed to 1610 North Illinois street. The business in this location prospered and in 1900, he took his sons into partnership and adopted the present name of Wiegand & Sons.

Mr. Wiegand was a great lover of flowers and a noted grower. He was greatly interested in everything that tended to benefit and uplift the vocation which he had chosen as his life work and always ready to give his personal assistance to anything that would help the florist business. He was one of the early members of the

Society of American Florists, joining in 1886, and this membership he has always maintained being a constant attendant at the earlier conventions, and he was also a member of the American Carnation Society. In his home city he belonged to the Columbia Club, the Independent Order of Odd Fellows and Royal Arcanum. In business affairs he was noted for his uprightness and integrity, and by hard and persistent labor built up a flourishing business.

In 1865 he married Miss Katherine Kreiss, a native of Germany, and there were born to them two daughters and two sons, Homer L. and George B., who all survive him. The funeral was held Wednesday afternoon, December 21, and the interment was at Crown Hill. A. W. B.

J. W. Colflesh.

In the death of J. William Colflesh, aged 58, which occurred on December 15, the Florists' Club of Philadelphia loses one of its charter members, and one who from the first took an active part in all its work. For a number of years he was treasurer, and was often called to serve on important committees. Deceased was also an active member of the Pennsylvania Horticultural Society, taking great interest in its exhibitions, being one of the committee on arrangements and in later years a judge. He was also a member of the Masonic fraternity.

Mr. Colflesh was very popular with the trade, who were much shocked at his sudden death, which was caused by an operation for some internal trouble and from which he did not rally. He leaves a wife, three sons and one daughter. The business will be continued by Mrs. Colflesh, with the assistance of her sons, who have been for some time taking an active part. The funeral, which was held on Monday, the 19th, was largely attended by the members of the trade. There were numerous handsome floral offerings banked about the casket. The interment was in St. James Churchyard, Kingsessing.

FLORISTS' CLUB RESOLUTIONS.

At a special meeting of the club, held December 16, 1910, to take action on the death of J. Wm. Colflesh, the following resolutions were adopted:

Whereas, Our beloved and esteemed fellow member, J. Wm. Colflesh, has been taken from us by death, therefore, be it

Resolved, That the members of this club desire to put upon record their sense of loss and to extend to his family their deepest sympathy.

J. Wm. Colflesh was one of the charter members of this club, and for many years its valued treasurer and always a diligent and faithful worker for the advancement of the club's interests. In his intercourse with the members of the club he was always courteous, kindly, and modest, and so had endeared himself to us all. He was an ardent worker in horticulture and always willing to do his share to advance the general interest of the cause.

Resolved, That a copy of these resolutions be sent to his family.

ROBERT CRAIG,
JOHN WESCOTT,
F. HAHMAN,
Committee on Resolutions.

Mrs. Mary E. Mergen.

Mrs. Mary E. Mergen, wife of Peter Mergen of Maryville, Mo., died December 15, after an illness of several months at the age of 56 years. She was born Mary E. Hogan, a native of Illinois. She was naturally fond of flowers and plants, which made her a pioneer in this business in northwest Missouri. Starting in a small way in 1884, which was successful from the first, about five years later Mr. Mergen

gave up his other vocations to devote all his time to the floral business, established by Mrs. Mergen, and adopted the firm name of Peter Mergen & Co. She is survived by her husband.

A. E.

Mrs. F. W. Bruggerhof.

After an illness of only one week's duration Mrs. F. W. Bruggerhof, wife of Mr. Bruggerhof, president of the J. M. Thorburn Co., died at their city residence on December 14 at the age of 76 years. The funeral was at Noroton, Conn., where the family's summer residence is located, on December 16. The sympathy of the trade will go out to Mr. Bruggerhof in his sad bereavement.

Morris Co. Gardeners' and Florists' Society.

The Morris County Gardeners' and Florists' Society held the annual election of officers for 1911 on December 14, with the following results:

John Downing, president.
Robert Tyson, vice-president.
Wm. H. Duckham, treasurer.
Edward Reagan, secretary.
Robt. M. Schultz, assistant secretary.
Arthur Herrington, Thos. Stokes, Geo. Harvey, C. H. Totty, John Dunn, Wm. Muhlmichel, Ernest Wild, G. F. Neipp, H. B. Vyse, J. C. Elliott, Joseph Manda, David Falconer, executive committee.

The evening's exhibit consisted of three vases of roses from E. G. Hill Co., Richmond, Ind.; Sunburst, a grand yellow, in fine shape, considering that it was over a week out, every petal perfect; awarded certificate of merit. Rose Queen, a beautiful deep pink; looks like a grand acquisition; certificate of merit. Mrs. Aaron Ward, distinct and attractive; vote of thanks. The judges were Joseph Manda, W. H. Duckham, R. M. Schultz, A. Herrington. Carnation Princess Charming, shown by C. H. Totty, showed up fine, with stems four feet long and blooms to correspond, a beautiful light pink; was awarded a certificate last year. If we were sure of growing it as Totty does, some of us would throw a whole lot out next year. It looks now as though our annual smoker would be a dinner this year. Some of our patrons, I understand, wish to "set 'em up for us" this time. E. R.

The Scent of Roses.

Considerable notice has been taken in Scotland of some remarks made by the Countess of Wemyss on the occasion of the opening of the annual show of the East Lothian Horticultural Society, at Haddington, on September 9, according to the London Gardeners' Chronicle. The Countess offers a prize every year for the sweetest-scented rose. In her opening address she referred to the subject, saying that she understood that some people laughed at her for offering this prize, thinking it must be difficult to distinguish the best among so many. After referring to the expression of Shakespeare, "that which we call a rose by any other name would smell as sweet," she said that the rose Frau Karl Druschki had no scent at all, and therefore the rose of this particular name did not smell sweet. She considered that the quality of scent was by far the highest attribute a rose could possess, for a rose was nothing to her if it did not possess perfume.

TRENTON, N. J.—The New Jersey Horticultural Society held its thirty-sixth annual meeting in the State House, December 14-15. There was a fine display of fruit and many interesting papers were read and discussed.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO

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CHRISTMAS pleasures come late to most florists, but we sincerely hope all the greater joy may be theirs when the hurry is ended.

Personal.

T. Mellstrom, well known to the trade as representative of Sander & Sons, has taken over the management of his firm's Bruges establishment. David Cameron will take Mr. Mellstrom's place as American representative.

P. J. Lynch and bride, of West Grove, Pa., and New Castle, Ind., are in Jamaica for a brief stay.

Elmer D. Smith and wife of Adrian, Mich., will make a California trip after the holidays.

RENEW subscriptions promptly so that no copies of the papers may be missed.

THE date of Easter next year is April 16, practically three weeks later than last Easter.

THE Society for Horticultural Science will hold its next annual meeting at Tampa, Fla., December 9, 1911.

WE are in receipt of Bulletin No. 1 of the American Gladiolus Society, giving an account of the first meetings of the organization, with list of members, etc.

FIRES damaging greenhouses are being reported from many quarters. Great care and watchfulness should be maintained at this season to prevent such catastrophes. Everything dry and inflammable should be kept away from the boilers, and all woodwork well protected, and extreme care taken with the lanterns and lights.

BELGIUM growers of azaleas and other plants are cautioned against shipping to America any plants infested with any kind of living insects or their larvae. Many states require all such plants to be fumigated before they can be released and this is very apt to destroy the flowering buds of the azaleas. If such plants are found to contain larvae, insects or mites they will have to be fumigated in this country even if the plants are accompanied by the Belgian entomologists's certificate of inspection.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the Canna, Olympic, by The Conard & Jones Company, of West Grove, Pennsylvania, becomes complete.

H. B. DORNER, Sec'y.

December 15, 1910.

American Carnation Society.

CARNATIONS REGISTERED.

By A. Jablowsky, Olivette, Mo.—Variegated Enchantress—sport from Enchantress, color, white with rose pink stripes; habit, the same as Enchantress.

By J. R. Walling, Keyport, N. Y.—J. R. Walling—sport from Enchantress; color, shell pink with deeper markings; habit, the same as Enchantress.

Both of the above registrations are only provisional, being sports. Blooms must be shown at the next meeting of the American Carnation Society to allow judges to pass upon them as to their distinctiveness.

A. F. J. BAUR, Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the every-day florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high grade work.

Experiment Stations and Horticulture.

Commenting upon the paper by W. N. Rudd on the "Value of the Experiment Stations to Ornamental Horticulture" which was read before the Society of American Florists at Rochester, N. Y., August, 1910, and printed in THE AMERICAN FLORIST, issue of October 15, page 569, the following has been received:

I have read the interesting article in your issue of October 15 on "The Value of the Experiment Stations to Ornamental Horticulture;" it gives me pleasure to say that I am heartily in sympathy with the writer's point of view. It is directly in line with the gist of some remarks which I made before the New York Florists' Club at one of their meetings last spring. It is also in accord with the views which I have entertained on the subject for the last ten years.

One of the reasons that experiment stations have not been more useful to florists is that the latter have apparently not needed their help. Florists are notably independent and resourceful. They have grown accustomed to the necessity of fighting their own battles and solving their own problems. They have largely followed the principle that if difficulties appear unsurmountable by the application of practical and common sense methods, the best solution is to avoid them by ceasing the attempt and directing energy into some other avenue. I would not for a moment suggest that this spirit of resourcefulness and independence has amounted to undue self-sufficiency, but it is barely possible that in some instances such has been the case. In that event, the individual has overlooked the fact that as each plant industry becomes more and more intensified, its attendant difficulties increase. The florist is the most intensive soil cultivator of all. His plants are under distinctly artificial conditions, and his troubles, therefore, may be expected to be relatively numerous; and they are.

Instead of giving up the growing of a certain crop, or the practice of a certain system because of unlooked-for difficulties, why should he not ask the assistance of the specialist in soil physics or chemistry, in plant pathology, in plant physiology, the assistance of the horticulturist in planning experiments and investigations, aimed to throw light on the solution of practical greenhouse difficulties? The florists of the country have been notably diffident in coming forward and stating their needs. As Mr. Rudd very properly remarks, the farmer, the dairyman, the orchardist, have sent out a vigorous cry for assistance, and it has been freely answered. With one or two notable exceptions, the florists of the country have not asked, and therefore have not received. Again, I think it may be very properly said on the other side of the question, that the interests of the experiment stations have been directed more prominently into the fields of general farm husbandry than they have into floricultural enterprises. This is partly due to the reasons already stated; but also due to a considerable extent to the fact that the floricultural interests in colleges and experiment stations are not represented as fully as they ought to be. Both of these factors act upon

each other. A demand from without is met by increased equipment from within. On the other hand, good facilities in the station and college develop confidence on the part of the florist that co-operative assistance is available, should he desire it.

However this all may be, the fact remains that a new era is coming in floriculture; for there is an evident coalition of forces and interests on the part of the practical men in the business and the technical men or investigators in the experiment stations and colleges. The florists are beginning to test these establishments, notably in Illinois and Maryland, and other states are commencing to take on a thoughtful study of the question. Here in New York we are glad to observe that our leading florists are agitating the question, and it will only be a short time before close and, I trust, efficient co-operative association exists between the Departments of Horticulture and the florists of the Empire State. A bill was introduced in the legislature at Albany last winter, asking for an appropriation for a range of houses to be devoted to commercial floricultural interests, which would certainly have become a law had it been presented somewhat earlier in the session. Already steps are being taken to push the same measure the coming session, early enough to ensure its passage.

The florists of the country should feel that the officers of the experiment stations stand ready to further their interests by using to the fullest extent such facilities as are available, in their respective stations. The Society of American Florists is to be congratulated on its affiliation with the technical side of floriculture through its efficient and energetic secretary, Mr. Dorner.

JOHN CRAIG.

Ithaca, N. Y.

Meetings Next Week.

Baltimore, Md., December 26, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., December 26, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., December 28, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

New London, Conn., December 28.—New London County Horticultural Society, Elks' hall.

Toledo, O., December 28.—Toledo Florists' Club.

Winnipeg, Man., December 28.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Help Wanted—At once, good carnation grower; single man preferred.

N. C. MOORE & Co., Morton Grove, Ill.

Help Wanted—An experienced Al lady florist; must be good saleslady and be able to do design work and make up.

ALPHA FLORAL CO.,
197 Wabash Ave., Chicago.

Help Wanted—Traveler, private gardener preferred, to call on gardeners to private estates and parks in the interest of a well-known New York seed house; beginning soon.

Key 358, care American Florist.

For Sale Cheap—R-turn tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure.

W. H. BARRETT, Adrian, Mich.

Wanted To Rent or Buy—About 5,000 feet of glass in good business town; must be in good repair. Address

Key 349, care American Florist.

Help Wanted.

Good general man for commercial establishment in the south. Will pay \$60 per month. State age and full particulars.

Key 359, care American Florist.

GROWER WANTED

We want a section man for two new houses, one that can turn out the goods. Address

Key 355, care American Florist.

Wanted At Once

Competent man or woman for retail store in south, good permanent position. Good salary to right party. Address

Key 356, care American Florist.

Commercial or Private Place.

Young man thoroughly qualified in all lines of commercial floriculture and private gardening, is open to engagement. Single; excellent references. Address

Key 348, care American Florist.

For Florida

We want a competent florist, man or woman, for sales department, fruits and flowers at Palm Beach, February and March. Give references. Address

FOSTER & FOSTER, 1 Madison Ave., New York.

Head Gardener

Thoroughly practical florist, gardener with 22 years' experience in every line of horticulture, single, sober, best of references; please state particulars and salary in first letter. Address

Key 353, care American Florist.

Advertiser

has good opening for a man competent to take charge of several greenhouses, stock, decorative plants, and attend to decorations and general retail work. Good opening for hustling man. Address Key 354, care American Florist.

Head Gardener

33 years old; single, with 20 years' experience on private estates and commercial places from Germany Switzerland, Sweden France England and United States with first class references from each place, is now open for engagement on private estate until April 1, 1911.

Address Key 352, care American Florist.

Representative Wanted.

One of the best Dutch bulb growers, with large growers, special in the best qualities of Hyacinths Early and Darwin Tulips wishes to secure a first-class agent in the United States of America and also in Canada on an entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 357, care American Florist.

Manager or Superintendent of Commercial Greenhouse

A thoroughly competent grower of all classes of commercial greenhouse plants and cut flowers desires a position as manager or superintendent of modern commercial plant. Advertiser can show the highest credentials. State salary. Address

Key 351, care American Florist.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists. Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

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Rooted Cuttings

We supply them of even size and well rooted. Orders booked now for January delivery and later.

	Per 100	1000
White Wonder. Our new white.....	\$12 00	\$100 00
Gloriosa. Our new pink.....	12 00	100 00
Pink Delight.....	6 00	50 00
Scarlet Glow.....	6 00	50 00
Shasta.....	6 00	50 00
Sanhamo.....	6 00	50 00
Dorothy Gordon.....	6 00	50 00
J. W. Riley.....	6 00	50 00
Admiration.....	6 00	50 00
White Perfection.....	3 00	25 00
Winona.....	3 00	25 00
Enchantress.....	3 00	25 00
White & Chantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Beacon.....	3 00	25 00

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Our salesman does the work. Goes out with your catalog, and is right on the ground to get the order and the cash when the customer is ready to buy. That's why we guarantee results.

Order Now for Your 1911 Catalog.
Samples and quotations on request.

Hemphill-Stehlin Co., Indianapolis, Ind.

Nashville.

The fine weather of the past few weeks has had a splendid effect upon the growing flowers, and there is a promise of an abundant crop of the very finest of both cut flowers and plants for the holiday trade. There has been a fine trade all season and there is no let up now, rather an increased demand, and flowers were never better. A peep into the refrigerators of the leading florists show a wonderful supply of flowers. The roses are coming in now in rare perfection and have hit the holiday demand to a nicety.

NOTES.

The Geny Bros. are delighted with their new location in the up-town shopping district, and say their change which might possibly have been the occasion of the loss of some trade has had just the opposite effect, and while they have held their old customers, have acquired many that are new. This was especially true of the Thanksgiving trade which, they say, was the best they have ever known. Since their removal they have added several new clerks to wait on the trade. Their new McCray refrigerator was filled with a magnificent supply of fine flowers. The roses are in best of shape, and there was an abundance of Killarney, both white and pink, the ever popular Richmond and excellent American Beauty, all raised at the new houses out of the city. Violets will be rather scarce for the holidays, but there will be plenty of narcissi, Roman hyacinths, carnations and poinsettias.

Many of the growers in this section, both large and small, have turned their attention this year to poinsettia culture, with the result that there is a most beautiful supply at hand for the season. They have been grown in pots and have been put with other plants

We Can Still Supply

IN FIRST-CLASS CONDITION:

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glaucæ*. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the *Araucarias* in the future.



Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 15 18 20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elephant, 6 in. pot, 4 yrs old, 4-5 6 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6 in. pot, 5 years old, 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00; and what do you think a holy terror 30 in. and over, 5-6 7 tiers, worth \$1.00, for only \$1.25 to \$1.50.

Robusta Compacta, *Excelsa Glaucæ*, 6 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each.

We also have the nicest *Araucaria Robusta Compacta* and *Excelsa Glaucæ*, a house full, good enough to decorate the White House, kings and emperors, bankers and merchants, suitable for the coziest corners of their residences as well as the poor man's Christmas table, for only \$1.15 to \$1.50, worth double.

Primula Chinensis, 5¼ in., \$2.50 per doz.

Cineraria Grandiflora, Aschmann's well-known strain 2 in. pots \$3.00 per 100; 4 in., 10c.

Jerusalem Cherries, or *Solanum* 6 in. pots, 25c, 35c, 50c.; full of ripe berries.

Azalea Indica

Already Forced for Christmas, put away in colder houses ready for shipment. Deutsche Perle, pure double white; Simon Mardner, large double pink; Vervaneana, double pink variegated. Price: 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each. Mme Petrick, pink, 50c, 60c to 75c; Simon Mardner, 50c 60c to 75c.

Kentia Forsteriana, in fine shape, 6 in. pots, 30 35 40 45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30 35-40 in. high, 5-5½-6-7 in. pots, 5-6 7 years old, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00; 4 in., 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine. *Boston*, *Scottii*, *Whitmani* and *Scholzeld*, 5½ and 6 in., 35c, 40 and 50c; 7 in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on *Scottii*, much shorter and bushier than *Scottii* 5¼ in. pots 50c; 3 in. pots, 25c.

Pteris Wilsonii, 3 large bushy plants in 6 in. pan, 30c to 35c per pan.

Ferns for Dishes, big assortment, 2½ in. pots, at \$4.00 per 100.

Dracena Bruanti, 25 to 30 in. high, 6 in. pots, 40c to 50c. Highly recommended for store and house decoration; stands heat cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6 in. pan, 25c to 30c.

Asparagus Sprengeri, 2½ in., 3c; 4 in., 10c.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Poinsettias, 4 in. pots, 25c.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants.

1012 W. Ontario St., PHILADELPHIA, PA.

Don't Forget, in the Christmas Rush

That You'll Need Stock Later on.
For example, there's your

Manetti

For winter grafting. We offer English at \$12.00 the thousand; French at \$10.00. Both good; 3 to 5 millimeters; smooth evenly graded, disbud-d, well rooted stocks, especially selected for florists' grafting.

Lily of the Valley

Reimschneider's Exposition, \$14.00 the thousand (1,700 to the case).

Perfection, \$12.00 the thousand (2,000 to the case).

Holsatia, for storage and later forcing, \$11.00 the thousand (3,000 to the case).

Write and make known your wants. We are Growers for the Trade, and sell only to the Trade. Use printed stationery.

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen,

NEWARK (Near Rochester), NEW YORK

Lilacs

Imported, pot-grown, for cut flowers; bushy, suitable for 7 or 8 inch pots, 50c each; \$5.00 the dozen. Charles X only.

Half-Standard Roses

Baby Rambler and *Mrs. Cutbush*, 50c each; \$5.00 the dozen. No better at any price. Full Standard *Baby Rambler*, same.

Bush Roses

Fine assortment leading H. P.'s, like *Brunner*, *Charla*, *Druschki*, etc.

Also Hybrid Teas, *Ramblers*, *Dorothy Perkins*, etc.

in the long handled baskets which strike a popular chord. Some are grown in shallow pans and as they are so lasting all are in great demand, and there is no doubt all the growers will have good sales on their poinsettia plants and flowers.

The Joy Floral Company always has a fine up-to-date supply which is now in its full glory. They are cutting

Richmond with stems four feet long and American Beauty the same with glorious well developed flowers. Their carnations are large and fine and they have everything one could think of in other flowers. They have large double violets grown in the greenhouses.

None of the growers seem to be long on violets, and there is a greater demand than supply. M. C. D.

HIGH GRADE CUT FLOWERS

==ROSES==

We are now cutting an especially excellent grade of **KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, BRIDESMAID** and **AMERICAN BEAUTIES** which for quality excel all others in the market.

CARNATIONS

We are cutting heavily in all the leading varieties of **Carnations** and can fill your orders at all times. If you are looking for the best in the market send your orders to us.



HAVE YOU EVER PLACED AN ORDER WITH US? If you haven't you should do so immediately, for we grow all our own stock which is of a high grade quality that will surely please your customers. You will find it to your advantage to place a trial order with us; do so immediately as we are now on with a heavy crop.

No Order Too Large.

No Order Too Small.

No charge for Packing and Delivering.

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51 Wabash Ave.,

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START THE NEW YEAR RIGHT

By Buying Your Stock from Us

We had the best Beauties at the Flower Show in 1909 and 1910, and offer the same quality of stock for 1911. Place your order with us and we will take good care of you.

NEW YEAR'S PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$8.00
36 inches.....	6.00
24 to 30 inches.....	4.00 to 5.00
15 to 18 inches.....	3.00
12 inches.....	2.00

Rhea Reid

Extra long.....	per doz., \$3.00
Good lengths.....	per doz., 2.00
Medium lengths.....	per doz., \$1.00 to 1.50

Maids, Maryland, Richmond, Killarney, Brides, White Killarney, Kaiserin,

Extra select.....	per 100, \$12.00 to \$15.00
Good lengths.....	per 100, 10.00
Medium lengths.....	per 100, 8.00
Good short lengths.....	per 100, 4.00 to 6.00

CARNATIONS

Fancy pink and white.....	per 100, 4.00 to 6.00
Fancy red, O. P. Bassett.....	per 100, \$8.00 to \$10.00
HARRISII LILIES	per doz. \$2 00
".....	per 100, 15.00
Lily of the Valley	per 100, \$3.00 to 4.00
Asparagus	per string, .60
Asparagus Sprays	per 100, \$2.00 to 4.00
Sprengerl	per 100, 2.00 to 3.00
Ferns	per 1000, 2.00
Smilax	per doz., 1.50
Adiantum	per 100, 1.00
Galax, Green	per 1000, 1.00
" Bronze	per 1000, 1.25
Select Pink and White Sweet Peas	per 100, 1.00

ROSES, Our selection, \$3.00 per 100.

Buy Direct of the Grower and Get Fresh Stock.

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

GOOD CHRISTMAS WEATHER.

Good, bright, cold Christmas weather prevails and the market is in that peculiar condition that always exists for the few days before this busy holiday. It being almost impossible to state which way the market will turn. Some dealers assert that all kinds of stock are going to be short, while others are just as confident that the supply will be fully equal to the demand. Roses are in good crop and supply and the stock is in elegant shape. The bright weather has kept the grade up to the highest notch for this season, and indications are that in most varieties there will be enough good stock to meet the orders. There may be a scarcity of the shorter lengths but the medium lengths are of far better grade and in good supply. Carnations are going to be far short of the demand, many of the growers are having a light cut, and it is doubtful if any are cutting their usual quantity. It is highly probable, that at the last minute, some stock will appear on the market that has been kept back too long, but there has been a good steady demand for these flowers for the last few weeks, and there has been no occasion for holding them back. Violets will, as usual, be one of the scarce and high-priced flowers. Paper white narcissus and stevia are plentiful and will be of great service in filling orders for cut flowers. Lily of the valley is in good supply, and there will probably be plenty, enough to fill all the orders received. Orchids are a little more plentiful, some of the growers are having a good cut and good sized shipments are being received. Sweet peas, marguerites and Roman hyacinths are to be obtained in good quantities. There is plenty of holly, but boxwood has had a great call, and the supply is running short. There is practically no bouquet

green on the market. In the greenhouse greens there is good stock of both kinds of asparagus and smilax. The blooming plants are the center of attraction and beautiful specimens are to be seen everywhere, as well as good decorative stock.

NOTES

The E. C. Amling Co. have leased the main floor of the building located at 19-21 Randolph street, and expect to take possession about January 10, 1911. The new location is an ideal one in the midst of the cut flower district. The store is 40 feet wide and 160 feet long, well lighted and newly decorated. An aisle will extend from the main entrance on Randolph street to the rear doorway, through which the stock will be brought in to be placed on the tables on either side. The office will be on the right as one enters the main entrance, and the refrigerators on the left. A new ice box, 30x10x8 feet 3 inches, is now being built, which will be an addition to the one now in use. The floor is already marked off where the fixtures will stand, and the removal from the old store will be so arranged that it can be done without interfering with the general routine of business.

C. L. Washburn is still suffering from an attack of the grip but is seen at the store busy as usual looking after the rushing holiday business. This firm has had to reject more orders for O. P. Bassett carnations than they have accepted; the customers all wanting this one variety. Shipping trade has been very good and the number of advance orders, already received, exceeds that of last Christmas.

The stock that J. A. Budlong is receiving at the store is of splendid quality. Killarney, White Killarney and American Beauty roses are fine and My Maryland of extra good grade. This firm is cutting a choice grade of lily of the valley and are receiving

plenty to fill all orders. Business is very good, and Phil. Schupp and his assistants are kept busy filling the many orders that are received.

The Chicago Carnation Co. had on exhibit, December 17, a vase of the new carnation, Princess Charming. It is of a very pleasing flesh pink color and the blooms shown were of extra large size on good strong stems. It is said the calyx never splits and the keeping quality is of the best. This carnation originated with Henry Eichholz of Waynesboro, Pa., and Manager Pyfer of this company has secured the western agency. An automatic telephone was installed in the store this week.

Vaughan & Sperry are daily receiving large shipments of American Beauty roses of A-1 quality; the color, foliage and stem being all that can be desired. A large shipment of California holly was received December 19, the express on which amounted to \$100. The holly was exceptionally well berried and sold immediately upon being shown.

The Geo. Wittbold Co., 737 Buckingham place, have purchased two new auto delivery cars, which will make three now in use. Three of the old delivery wagons will be sold as soon as possible to make room for the autos. Six large cases of cattleyas were received by express at this establishment December 19.

The Killarney and White Killarney roses that were seen at George Reinberg's are of extra good quality, mostly of short and medium lengths. Rob Northam, the manager at the store, says that the shipments were never so large as at present.

At Kyle & Foerster are to be seen a particularly fine strain of pansies and sweet peas. A large quantity of boxwood, of good quality, was received at the store this week.

Am. Beauties

Our American Beauty Roses are arriving in splendid condition, on long stems, with splendid foliage and color, and in such quantity that we are able to fill all orders.

RICHMONDS

Our Richmonds, the Cream of the Market, are really magnificent --fine long stems, with beautiful foliage and long buds of the deepest crimson.

If you are looking for stock that will please your customers and increase your sales, send in your order for Richmonds today.

NEW YEAR'S PRICE LIST.

AMERICAN BEAUTIES

	per doz.
Extra long stems.....	\$ 8 00
36 inch stems.....	6 00
30-inch stems.....	5 00
24-inch stems.....	4 00
20-inch stems.....	3 00
18-inch stems.....	2 50
15-inch stems.....	2 00
Short stems.....	1 25

Per 100

Richmond.	Specials...	\$15 00
Killarney.	Select.....	12 00
White Killarney.	Medium...	10 00
Mrs. Marshall Field,	Short.....	6 00 to 8 00
Maryland,		
Uncle John,		
Bride,		
Ivory,	Select.....	12 00 to 15 00
Sunrise,	Medium.....	6 00 to 8 00
Perle		
Golden Gate.		

ROSES, Our Selection, \$4.00 per 100

CARNATIONS, White and Pink.....	\$4 00
Fancy White and Pink.....	to
Red.....	\$6 00
Harrisli.....	\$15 00
Stevia.....	\$1 50 to 2 00
Valley.....	4 00 to 5 00
Violets.....	2 00
Adiantum.....	1 00 to 1 50
Asparagus.....	per bunch, 50c to 75c
Ferns.....	per 1000 \$2 00

White Killarney Pink

We are now on with a large crop of Killarney and White Killarney Roses, and never before has our stock looked more promising than at present.

Carnations

We are now cutting heavily in all leading varieties of Carnations, and can fill your order on short notice. We are particularly well fixed on **Red Carnations**, the leading Christmas color, and would be pleased to book your order now.

PETER REINBERG

The Rose Specialist and Largest Grower of
Cut Flowers in the World,

35 Randolph St.,

CHICAGO

WIETOR BROS.

51 Wabash Avenue, CHICAGO.

Wholesale Growers of Cut Flowers

... Christmas Price List ...

AMERICAN BEAUTY—

	Per doz,
Extra long stems.....	\$12 00
36-inch stems.....	10 00
30-inch stems.....	9 00
24-inch stems.....	8 00
20-inch stems.....	6 00
18-inch stems.....	4 00
15-inch stems.....	3 00
12-inch stems.....	2 00
8-inch stems.....	1 50

	Per 100
Bride, fancy.....	\$15 00
Good.....	\$ 8 00 to 12 00
Bridesmaid, fancy.....	15 00
Good.....	8 00 to 12 00
Killarney, extra fancy.....	20 00 to 25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
White Killarney, fancy.....	20 00
Good.....	8 00 to 15 00

	Per 100
Mrs. Jardine, extra fancy.....	\$20 00 to \$25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
Richmond, extra fancy.....	20 00 to 25 00
Fancy.....	15 00
Good.....	8 00 to 12 00
Uncle John, fancy.....	15 00
Good.....	8 00 to 12 00
Perle.....	10 00 to 15 00
Roses, Our Selection.....	6 00
Carnations, fancy red.....	8 00
Extra fancy Enchantress.....	7 00
Extra fancy white.....	6 00
Good.....	4 00 to 5 00
Valley.....	4 00 to 5 00
Adiantum.....	1 00
Sprengerl.....	per bunch, \$0.50 to \$0.75
Ferns.....	per 1000, 2 00
Galax.....	1 00 to 1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

Hoerber Bros. are cutting a fancy grade of roses, with Killarney and White Killarney exceptionally good, fine buds on long stems with splendid foliage and color. Carnations in all the leading varieties are included in the daily shipments and move readily at top notch prices. Will Hoerber, during the absence of the regular book-keeper, is attending to the office duties, while Fred looks after the range at Des Plaines. Harry Manheim is well pleased with the advance orders already booked for Christmas and says they are still coming.

Poehlmann Bros. Co. is now cutting 200 to 300 cattleya blooms a day and some magnificent specimens of these exotics were seen at the store this week. August Poehlmann says that it is the intention to increase the amount of glass devoted to orchids to three times the space now occupied. One collector in the employ of this firm is now in Venezuela, and another leaves December 26 for Colombia, South America, to procure plants for this establishment.

Peter Reinberg is cutting a large quantity of splendid stock of all kinds. American Beauty, Mrs. Marshall Field and Richmond roses are especially worthy of note, for they are as fine a grade as are seen in the market. A visit to the greenhouse a week ago found the stock in splendid condition and a heavy crop, which assures them a splendid cut for the holiday trade.

M. I. Weil of the Chicago Pump Co., 1061 Fulton street, has been calling on the growers in Indiana, introducing their new system of intermittent vacuum heating. A. C. Durdin, the secretary of this concern, is the inventor of this new pump, which has recently been placed on the market.

Henry Wietor returned December 17 from a two weeks' hunting trip to Cascade, Iowa, where he succeeded in bag-

ging a number of rabbits. The American Beauty roses that are received at the store this week are extra fine and rival any seen in the market.

Henry Van Gelder, of Percy Jones, is this week filling a large order for an out-of-town customer that equals the sales of the two best days of last year's holiday business. The customer is the proprietor of three large stores and is receiving the stock in five different shipments.

E. E. Pieser, of Kennicott Bros. Co., is again on the job, after being confined to his home with a severe attack of lumbago. G. H. Pieser is now, unfortunately, on the sick list and is reported to be in a critical condition.

W. J. Smyth has a new Studebaker auto delivery car, which will be a much needed addition and get a good trying out during the Christmas trade.

The Chicago Rose Co. this year broke all former records for the manufacture of wire rings for holly wreaths when 500,000 were manufactured.

C. L. Huffert opened a store at 4011 North avenue and is now prepared to handle the holiday trade.

Zech & Mann are well supplied with excellent seasonable stock for the holiday trade and are in a position to fill all orders for Christmas.

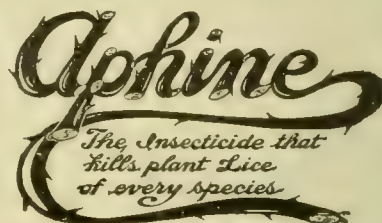
Mrs. Wm. Starrett is seriously ill with pleurisy at her home on Cottage Grove avenue and is under the care of a physician.

Vaughan's Seed Store received a car of Japan lilies and a car of lily of the valley this week for shipping and storage.

George Perdikas, corner of Dearborn street and Jackson boulevard, is enjoying a brisk holiday business.

Chas. W. McKellar is receiving a fancy grade of cattleyas, vandas, oncidiums and other choice orchids.

Ed. Misiewicz on December 19 opened a store at Thirty-second and Halsted streets.



Messrs. Scott Brothers, Elmsford, N. Y., say: "Aphine is an effective and easily applied spraying remedy for insects of all kinds in which we have absolute confidence. We dipped all our cuttings in this insecticide last year before putting them in the cutting bench and again before potting into first pots, and we were never freer from insects of all kinds, particularly those troublesome little thrips on chrysanthemums. It is an effective remedy for scale on palms, crotons, etc."

\$2.50 per gallon, \$1.00 per quart.

Fungine

An infallible fungicide for mildew and other fungus diseases. Particularly adapted for greenhouse purposes. A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon. 75c per quart.

MANUFACTURED BY

Aphine Manufacturing Co.

MADISON N. J.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

Cattleya Orchids

BIG SUPPLY OF

Beauties, Carnations and Roses

Can supply all you want up to last hour
for Christmas. Wire in your orders.

Current Prices, in effect the week following Christmas

Subject to Change Without Notice.

AMERICAN BEAUTIES	Per doz.
Specials	\$10.00
36-inch	9.00
30-inch	8.00
24-inch	7.00
20-inch	6.00
18-inch	5.00
15-inch	4.00
12-inch	3.00
Short stem.....	\$1.00, \$1.50, 2.00

CARDINAL, Long.....	4.00
Medium	2.50
Short	1.50

RICHMOND, extra select.....	Per 100
Select	\$20.00
Medium	\$15.00 to 18.00
Good short	12.00
	8.00

KILLARNEY, extra select.....	Per 100
Select	\$20.00
Medium	\$15.00 to 18.00
Good short	12.00
	8.00

MY MARYLAND, extra select.....	Per 100
Select	\$20.00
Medium	\$15.00 to 18.00
Good short	12.00
	8.00

WHITE KILLARNEY, extra select.....	Per 100
Select	\$20.00
Medium	\$15.00 to 18.00
Good short	12.00
	8.00

PERLE, long	Per 100
Medium	\$12.00
	8.00

GOOD SHORT STEM ROSES	Per 100
Our selection	\$ 6.00
Our Extra special grade Roses charged accordingly.	

CARNATIONS, fancy	Per 100
" extra fancy	\$ 6.00
" first quality splits.....	8.00
	\$ 3.00 to 4.00

ORCHIDS, Cattleyas, per doz.....	9.00 to 12.00
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POINSETTIAS, per doz.....	3.00 to 5.00
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HARRISII and CALLAS, per doz.	\$2.00 15.00
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NARCISSUS PAPER WHITE.....	Per 100
	4.00

ROMANS	4.00
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VALLEY	\$ 4.00 to 5.00
--------------	-----------------

VIOLETS, double	1.50 to 2.00
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" single, Princess of Wales	1.00 to 1.50
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MIGNONETTE, large spikes	6.00 to 8.00
--------------------------------	--------------

STEVIA	1.50 to 2.00
--------------	--------------

SWEET PEAS	1.00 to 1.50
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CHRYSANTHEMUM MERRY	
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XMAS, per doz.....	\$3.00
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ADIANTUM75
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ADIANTUM CROWEANUM, fancy	1.00
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SMILAX	per doz., \$2.00
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SPRENGERI, PLUMOSUS	
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SPRAYS	3.00 to 4.00
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PLUMOSUS STRINGS.....	each, 60c
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FERNS	per 1000, \$2.00
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GALAX	1.25
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LEUCOTHOE75
-----------------	-----

BOXWOOD, per bunch 35; per case	
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of 50 lbs.....	\$7.50
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WILD SMILAX, 50 lb. case.....	\$5.00
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**POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES**

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

New Year's Stock

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

Plenty of all other
seasonable stock.

and Fancy Carnations in good
supply.

CURRENT PRICE LIST

American Beauty		Per doz.	Killarney, fancy		Per 100	Carnations		Per 100
Long stem	.....	\$8 00	select	.....	\$12 00 to \$15 00	Valley	.....	\$ 4 00 to \$ 6 00
30-inch stems	.....	6 00	medium	.....	6 00 to 8 00	Harristii Lilies	.....	15 00 to 18 00
24-inch stems	.....	5 00	Bridesmaid, special	.....	12 00 to 15 00	Sprengeri	.....	3 00
20-inch stems	.....	4 00	medium	.....	6 00 to 8 00	Asparagus Plumosus,	.....
15-inch stems	.....	3 00	Bride, special	.....	12 00 to 15 00	extra quality per bunch...	.....	50
12-inch stems	.....	2 00	med um	.....	6 00 to 8 00	Fancy Ferns, per 1000.....	.....	2 00
		Per 100	My Maryland, select	.....	12 00 to 15 00	Wild Smilax..... per case.	.....	5 00
Richmond, fancy	.....	\$12 00 to \$15 00	medium	.....	6 00 to 8 00	Violets	.....	1 50 to 2 00
select	.....	10 00	ROSES our selection.....	.....	6 00			
medium	.....	6 00 to 8 00	CATLEYA LABIATA, per doz.	.....	9 00 to 12 00			

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Boxwood is very scarce, so much so that it is reported stolen in front of the doors of the wholesale houses in broad daylight. Three cases of boxwood were deposited in front of Vaughan & Sperry's, December 17, and were being taken in the store immediately after arrival. When the young man who had already taken two down went after the third, it had disappeared. An expressman, who was standing nearby, said he saw it vanish in a westerly direction, but no clue to the thief has been found.

The mid-winter show at Garfield Park is attracting crowds of visitors. The greenhouses are open from 8 o'clock in the morning until 10 at night, and the exhibition will continue until January 2. There are large quantities of poinsettias, azaleas and begonias, as well as rare and beautiful orchids to be seen.

There was a large representation of the trade at the funeral of the late Joseph F. Klimmer, who was laid to rest at Forest Home cemetery, December 15. The funeral offerings were very numerous and many of them were quite elaborate.

L. Hoechner has opened a store at 3810 Grand avenue which will be under the management of R. Troost. Mr. Hoechner needs no introduction to the trade as he is a valued employe at the Peter Reinberg store.

Fred Klingel, having recovered from his recent illness, is back at the desk, keeping the books at John Kruchten's. During the holiday season Charlie Kruchten is assisting his brother at the store.

At the J. B. Deamud Co.'s store we noticed a fancy grade of carnations, sweet peas and all other seasonable stock. This firm is now receiving some fine Merry Xmas chrysanthemums.

Wm. Timme, 4016 North Forty-second court, is with Vaughan & Sperry's

"The Busiest House in Chicago."

We are issuing a weekly price letter that keeps you in touch with this market all the time. If you are not receiving this weekly letter, let us know and we will see that you do. We wish you a Merry Christmas and a Prosperous New Year.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

this week, assisting them in looking after the brisk holiday trade.

H. W. Rogers of Weiland & Risch has been confined to his home the past week with a slight touch of pneumonia.

Funeral work is keeping H. L. Keun very busy at his store at 6847 Wentworth avenue.

The E. F. Winterson Co. is offering some fine blooming azaleas and excellent mistletoe.

Visitors: E. P. Farney, representing M. Rice & Co., Philadelphia, Pa.; H. A. Fischer, Battle Creek, Mich.

Chicago Bowling.

On December 14, the Roses won three games from the Carnations, and the Orchids, two from the Violets. No games were bowled this week, but on December 28 the Orchids will play the Carnations, and the Violets the Roses. The following table shows the number of games won and lost by each team to date:

Won. Lost.		Won. Lost.	
Orchids	.....20 10	Carnations	.....15 15
Roses	.....16 14	Violets	.....9 21

The following table shows the individual and team scores for games played December 14:

Roses.			Orchids.		
Wolf	.....160 179 159		Huebner	.....169 162 196	
E. J'nsen	.....160 171 164		Graft	.....171 201 127	
Cohen	.....88 124 89		Winterson	.....194 215 153	
Kruchten	.....183 144 197		Foster	.....173 175 144	
A. Fischer	.....202 158 184		Zech	.....150 168 182	
Totals	.....793 775 793		Totals	.....857 921 802	
Carnations.			Violets.		
Ayres	.....147 182 168		Vaughan	.....160 157 135	
Krauss	.....104 126 160		Lieberman	.....151 158 164	
Goerisch	.....159 125 114		Friedman	.....127 129 201	
Schultz	.....173 140 175		Lorman	.....116 149 172	
A. Zech	.....175 196 154		Yarnall	.....173 169 210	
Totals	.....758 769 771		Totals	.....727 762 872	

Peoria, Ill.

Cole Bros. have a nice crop of American Beauty and other roses for the holidays.

Chas. Loveridge's redecorated store is one of the most attractive in town. D. U. Augspurger has just returned from an extended business trip and says his sales have been very satisfactory.

Jas. C. Murray reports business good.

For All Occasions We Offer Our Prize-Winning ROSES and CARNATIONS

Pronounced by judges at the **Chicago Flower Show** as **exceptionally good** we securing **19 Awards**. Stock exhibited was taken from our **regular cuts** and as such we are able to supply customers with the **selfsame stock** which in turn will surely satisfy your customers. Heavy supply of


Beauties, Maryland, Jardine, Richmond, Pink and White Killarney, Field, Kaiserin, Maid and Bride. They are sure to give satisfaction. None better in the market.

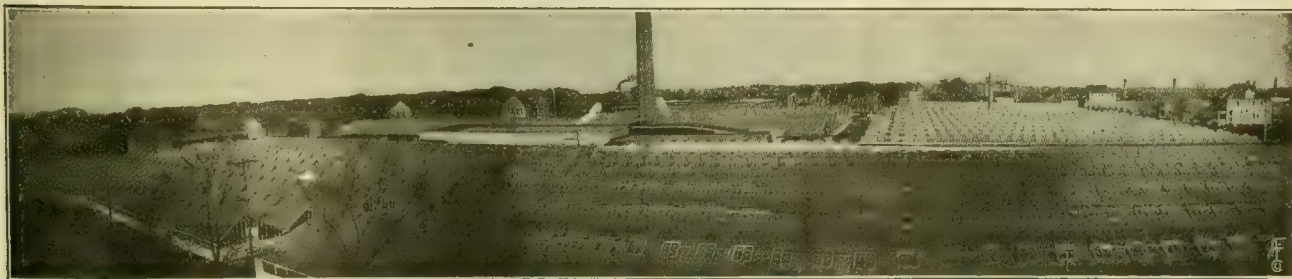
Carnations. All the leading varieties. You will find them to be **larged sized flower and long stem grade**, and of a quality far above the average to be seen in this market. Try them and be convinced.

Valley We grow our own valley; hence we are able to take care of regular orders for large or small quantities. **Quality is equal to the best** brought to our market. Order some of our Valley and be convinced.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the **New York or Hudson River Violets**, but owing to length of time required for these to reach Chicago, we can only fill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock of excellent quality

 **We Grow our own Stock,** which insures you getting the freshest possible. The fact that our large plant is located within 30 minutes ride from the store, as well as all depots, **enables us to fill late orders where others fail.** Give us a trial and you will find our stock and prices right.



PARTIAL VIEW OF OUR GREENHOUSES AT WESTERN AND BERWYN AVES., CHICAGO.

**Buy
Direct
from the
Grower**

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE
GROWER of **CUT FLOWERS**

**Order
Some
of our
Valley**

Washington. TRADE FAIR.

The trade of the past week was very fair, considering the fact that the people are saving their money for Christmas. The weather has been cold and the streets are in an abominable condition. This situation is so bad that it has attracted the attention of President Taft. He has asked the District Commissioners why they do not clean the streets and they have replied that there is no money available to do the work. Enough said. While Uncle Sam is spending millions on the Panama Canal, the Philippine Islands and dreadnaughts, the poor

old capital must worry along with its streets in such a condition that the life of no man or woman that uses them is safe. But doubtless from the Congressional viewpoint, this is as it should be. P. P. Campbell, who was born in Nova Scotia, is a member of the House District Committee. If Mr. Campbell does not know something of ice and snow, who does?

NOTES.

The Centre Market florists are making great preparations for Christmas. Their wreaths and decorations are very fine. Considering the fact that the Centre Market is one of the coldest places south of that which Doc. Cook reached, the florists who do business

there deserve great credit for their perseverance and energy. Noteworthy among them are M. J. McCabe, Harry Roby, Frank Sly, Milton Thomas, John R. Morgan, C. Ponnet, John Boyle, Robert Bowdles and Hammer & Sons.

In cut flowers the most noteworthy features are the fine stocks that are arriving from the greenhouses of A. Gude & Bro., A. B. Garden, J. R. Freeman, M. J. McCabe, Robert Bowdler and other district growers.

Frank Schultz has recently opened a flower stand in the new market at Fourteenth street and Park road.

George Field, as usual, will have a good supply of orchids and roses.

A. F. F.

ROSE STOCK FOR 1911

It is an undisputed fact that the quality of the plants which are sent out by us is above question. We grow what we sell and sell only what we grow. We are planning for 1,250,000 Rose Plants for the spring trade and expect to be able to fill all orders, whether large or small. This is all stock for forcing, and not nursery stock. We want your patronage and can give you in return the best plants that can be produced. Our leaders will be

Dark Pink Killarney Double Pink Killarney Prince de Bulgarie
Radiance Mrs. Aaron Ward

The best of the Standard Varieties:

Killarney White Killarney Richmond
Kaiserin Augusta Victoria My Maryland

Our catalogue is ready. If you do not receive it, send us a postal.

A. N. PIERSON, Inc.,

Cromwell, Conn.

Cincinnati.

BUSINESS GOOD.

Last week the market cleaned up nicely on almost everything according to the condition of the stock. At the beginning of this week there has been little or no holding back for Christmas so far. In fact, there has been no reason for doing so, the stock, with a few exceptions, now and then, has moved out as fast as it came in, and has brought uniformly good prices. Indications point to a fair supply for the holidays in most lines. In roses, American Beauties, Killarney and Richmond are holding their own in quality. There will be about half of the normal cut of carnations of other Christmas years at this time. New York double violets continue in steady supply while promises of a crop of single violets for the holidays are good locally. Poinsettias are coming into the market regularly. The wholesalers are arranging with the growers to send them direct to the stores and they save extra handling. The supply of Liliun Longiflorum is shortening but narcissus and stevia are becoming more plentiful every day. In green goods there is a large demand for Asparagus Plumosus and Sprengeri. There is an ample supply of other decorative greens on hand with the exception of boxwood; laurel is getting scarce and the prices are going up; holly promises to be cleaned out in a few days and southern smilax is selling fast.

The Bloomhurst Floral Co. of Lockland has a crop of Richmond roses that is up to the usual standard of the stock from that establishment.

Henry Smith, of Grand Rapids, has mailed E. G. Gillett a post folder of that town. Among other cuts shown is one in colors of his store.

Geo. Magrie had little trouble in disposing of a carload of holly.

Mrs. P. J. Ollinger has gone to New Castle, Ind.

Tom Jackson suffered loss by fire December 12. The flames consumed the boiler room, shed and parts of the houses.

Chas. Pfeiffer and Wm. Speck have purchased automobiles. The former has an Overland roadster.

Wm. Murphy has cleaned up on all his holly and laurel roping. The former was of excellent quality.

J. A. Peterson has about cleaned up his Begonia Glory of Cincinnati and cyclamens.

Visitors: Ed. Fancourt, representing Pennock-Meehan of Philadelphia and John A. Keller of Lexington, Ky.

The bowling scores are as follows:

	1st game.	2nd game.	Championship Ave.
Albert Sunderbush.....	151	172	171
C. E. Critchell.....	137	157	171
Ed. Witterstaetter.....	177	176	170
Al. Horning.....	189	147	162
Chas. Witterstaetter.....	166	156	161



ORCHIDS

For Christmas

I will have a fine stock of **Cattleyas, Cypripediums, Vandas, Oncidiums** and other **Orchids, Gardenias, Fancy Valley, Violets, Beauties**, all other **Roses, Carnations**, and all **Seasonable Decorative Stock and Supplies.**

Send for Price List.

CHAS. W. McKELLAR
 51 Wabash Avenue.
CHICAGO.

Our Carnations Are Superior

That Is Why We Please Our Customers
ALL THE TIME

The same superior, uniform high grade, the best in the Chicago market, every day

WE ARE HANDLING THE ENTIRE CUT OF ROSES for one of the leading Florists near Chicago, and are in position to supply

Am. Beauties, Roses, Sweet Peas, Violets, Paper Whites, Hyacinths, Valley, Greens, Etc.,
 at **Lowest Market Prices.**

We can always fill your order, no matter how large or how small, and know we can please you.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
 Phone Central 3373.

35-37 Randolph St., CHICAGO

A. Heckman.....	163	142	155
R. C. Witterstaetter.....	181	179	154
Arthur Becker.....	149	153	151
Frank Deller.....	131	162	149
Leo. Witterstaetter.....	144	165	145
Harry Sunderhaus.....	106	135	121
Frank Ball.....	113	123	118
C. H. Hoffmeister.....	97	138	118
Ed. Bossmeyer.....	146	131	109
Lawrence Fritz.....	90	82	109
O. H. Hoffmeister.....	102	124	108
Alex. Ostendarp.....	93	84	98

R. C. Witterstaetter won the box of cigars offered by C. E. Critchell.

REDLANDS, CALIF.—The City Nurseries corporation will open a store on Citrus avenue. The front will be used to accommodate the floral business, and the rear for the carrying on of a general seed trade.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

—SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO.

76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Nassau County Horticultural Society.

The regular meeting of the Nassau County Horticultural Society was held in Pembroke hall, Glen Cove, December 14. There was a large attendance, the Westbury boys turning out in force and the meeting was most enthusiastic. Geo. Angier, Supt. to B. Stern, Roslyn and Robert Marshall, Glen Cove, were elected members and three applications for membership received. Judges for the night were C. F. Bertanzel, J. F. Johnston and McKenzie and their decisions were as follows: Society's prizes: Best 100 violets, T. J. Trepass; best 25 sweet peas, Paul Reul, who also received honorable mention for vase of same; best three cut poinsettias, James McDonald. The Hitchling's silver cup, a beautiful specimen of art, was presented to Alex. McKenzie, another proof of his being past master of growing chrysanthemums, and the Lord & Burnham gold medal was presented to Robert Marshall for growing roses so well; both prizes were won at our last fall show. A few sprays of stevia, an improvement over the old, were shown by Chr Lenker. It has many points in its favor and we will no doubt hear more of it at some future exhibit. T. J. Trepass was the winner for the yearly prize competition, with Geo. Wilson second.

The following were elected as officers of the society for the coming year:

T. J. Trepass, president.
Jas. Robinson, vice-president.
E. Brown, treasurer.
John T. Ingram, secretary.
Oscar E. Addor, cor. secretary.
J. Barton, James Holloway, Geo. Ashworth, H. Gant, E. Westlake, J.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 21.	
Roses, Beauty, extra select...	12 00
" " 36 in.	10 00
" " 30 in.	9 00
" " 24 in.	8 00
" " 18 in.	5 00
" " 15 in.	4 10
" " Short... per doz	1 00@ 2 00
Per 100	
" Bride, Bridesmaid, select..	12 00@ 15 00
" medium	8 00@ 12 00
" Killarney, select..	25 00
" medium and short	10 00@ 15 00
" Kaiserin.....	3 00@ 10 00
" Mrs. Jardine.....	6 00@ 20 00
" My Maryland.....	10 00@ 25 00
" Perle.....	8 00@ 15 00
" Richmond.....	10 00@ 25 00
" Uncle John.....	6 00@ 15 00
" White Killarney, select..	25 00
" medium	12 00@ 15 00
Carnations.....	4 00@ 8 00
" fancy.....	10 00
Bouvardias.....	5 00@ 6 00
Chrysanthemums... per doz.,	2 00@ 3 00
Cattleyas..... per doz.,	9 00@ 12 00
Cypripediums.....	2 00@ 2 50
Gardenias..... per doz.,	4 00@ 6 00
Dendrobium Formosum	6 00
Lilium Harrisii.....	15 00
Lily of the Valley.....	4 00@ 5 00
Narcissus.....	3 00@ 4 00
Phalaenopsis.....	12 00
Stevia.....	1 00@ 1 50
Sweet Peas.....	1 50@ 2 00
Violets.....	1 50@ 2 50
Adiantum..... per 100,	1 00@ 1 50
Asparagus Plum, strings, each,	60@ 75
" sprays.....	3 00@ 4 00
" Sprenger.....	3 00@ 4 00
Boxwood.....	15 00
Ferns..... per 1000,	1 50@ 2 00
Leucothoe.....	75
Mexican Ivy.....	75@ 1 00
Mistletoe..... per lb.,	25
Smilax.....	1 50@ 2 00
Wild Smilax..... per case,	5 00

McDonald and J. McQuinn, executive committee.

J. Everett, trustee.

A hearty vote of thanks was awarded to the officers for their good work during the year; progress has been the by-word all through, with the result that, with a good reserve in the bank and a solid membership, we may well look forward to an even more prosperous year. O. E. A.

Yonkers Horticultural Society.

The Yonkers Horticultural Society met on December 16, the principal business transacted being the election of officers for the ensuing year. On the first ballot for president a tie vote was cast for two nominees, but a second ballot being taken the result was as follows:

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

BOUQUET GREEN

Best quality at lowest rates. We gather our
own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery
Schooner ROUSE SIMONS, S.W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

BE YOUR OWN COMMISSION MAN

—AT THE—

Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

Lee Whitman, president.
T. Mahoney, vice-president.
H. Nichols, secretary.
H. M. Blanche, cor. secretary.
P. Macdonald, treasurer.
J. Houghton, F. Drexler, H. Wells, J. Mooney, E. Bunn and E. Bennett, executive committee.

Considerable responsibility devolves upon the dinner committee appointed, as upon their efforts depends the reputation of last year's very successful annual. J. Canning, superintendent for A. Lewisohn, exhibited very fine poinsettias, winning a prize offered by Mrs. Melliott.

H. M. BLANCHE, Cor. Sec'y.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
 Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
 1209 Arch St.,

Philadelphia, Pa.

Pittsburg.

GOOD SUPPLY.

While the amount of flowers coming to this market is about the same as the previous two weeks, the demand has lightened considerably and only carnations and violets clean up daily with the wholesalers. Roses and American Beauties of fine quality are bringing low prices for the week preceding Christmas. Lillium Harrisii and callas, as well as stevia and Paper Whites, move out well. There are some Roman hyacinths around but they seem slow. Cattleyas have been bringing Christmas prices for the last two weeks, that is, a dollar each. For Christmas, carnations will be very scarce, while in roses we are promised an exceptionally large supply. Violets, sweet peas and primroses will be in fair supply, with prices tending a little lower than in other years. The boxwood market here has been very strong, due to the scarcity of bouquet green; but the quality is good. Red ruscus is being eagerly bought up from the wholesalers. The street fakirs have taken up immortelles, boxwood wreaths and baskets, and are moving out quite a lot of them, even if they do have to be sold in the dark to cover their defects. These people are disposing of more toys, etc., than in any other year. The retail stores are taking on their Christmas window decorations which one has to see to appreciate and describe, and I would have to have more space than is allowed me.

NOTES.

Paul M. Pierson was a caller December 16 and states that he will have 10,000 special American Beauties for Christmas, his crop hitting this holiday exactly right. Mr. Pierson supplies two local commission houses with these roses.

Harris Bros. are now settled in their new place and it certainly makes a wonderful change when one doubles their storeroom. They are quite right when they state that they run a store now, instead of a stand.

William Loew has more than his hands full taking care of his retail and wholesale holiday trade.

American Beauties and violets of fine quality are being received by the McCallum Co.

Visitors: C. A. Blaukensop, Washington; Geo. L. Huscroft, Steubenville, O.; Jos. Thomas, Greensburg; Martin Reukauf, Philadelphia. J.

Philadelphia Notes.

Christmas greens are very scarce, particularly ground pine, which is hardly to be obtained at all. There is no loose and scarcely any wreathing. The heavy fall of snow so early in the season was unlooked for and caught many of the gatherers napping so that they have none to ship. In fact, all kinds of greens will be higher, as it is so much harder to handle this class of goods along country roads and through the woods, where there is so much snow.

Ed. Reid is handling some superb violets, about the finest ever seen in this market.

John Westcott celebrated his birthday December 16.

Wholesale Flower Markets

PHILADELPHIA, Dec. 21.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz.,	2 00@3 00	
Lillium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snappdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch,	50	
Smilax.....	15 00@20 00	
PITTSBURG, Dec. 21.		Per 100
Roses, Beauty, special.....	25 00@35 00	
" extra.....	15 00@ 0 00	
" No. 1.....	10 00@12 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Chateau.....	3 00@12 00	
" Killarney.....	3 00@12 00	
" My Maryland.....	3 00@12 00	
" Richmond.....	3 00@12 00	
Carnations.....	3 00@ 5 00	
Chrysanthemums.....	3 00@25 00	
Cattleyas.....	75 00	
Lillium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Paper Whites.....	4 00	
Romans.....	4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch,	50	
" strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	

Baltimore.

COLD WEATHER.

For the past two weeks there has been record-breaking weather in this section, with low temperature, high winds and heavy snows. For the mercury to range morning after morning from five above to five or even more below the zero mark is an experience never before encountered and not craved for again. The effect on the flower growers has been keenly felt, and unless we have a quick turn, the holiday crops will be greatly diminished and considerable embarrassment is experienced in marketing the stock. Flowers have been scarce, carnations especially so, and it looks as if the supply of Christmas products will be shorter than for many years. There has been a good trade during the past week, many social events contributing to an all-round activity, and those who keep posted declare this will be one of the gayest seasons for years.

NOTES.

About thirty years ago the writer of these notes formed and organized the annual exhibitions at Timonium of what is now the Baltimore County and State of Maryland Agricultural Society. Amongst the very first to take an interest was Alexander McCormick, a florist of Fullerton. At a meeting last week of the society Mr. McCormick, now 69 years of age, who has been a trustee almost from the start, and its president for eight years, was present. It was ascertained that he has never missed a meeting of the board for thirty-one years, and has never been absent a day from the fair grounds during an annual exhibition. He is active and industrious, always prompt and alert, and is an example for younger men of civic pride and public spirit.

The first german of the winter proved a great success. One Charles

We are strong on GOOD

Beauties Violets and Stevia

THE McCALLUM CO., Inc.
 PITTSBURG, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.
 Mention the American Florist when writing

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.
 Mention the American Florist when writing

The Florists' Exchange....

729 13th Street, N. W.
 WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
 "Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co., The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

street store had orders for about one hundred bouquets, besides bunches of violets, lily of the valley and orchids. George A. Black, who had charge, says he never saw so many flowers on any one occasion. In arranging the room the walls were covered with loose wire netting, covered with sprays of green, and the debutantes, the fair recipients of the flowers, as the burdens they carried became too unwieldy, placed them in this netting, so that the scene was a great bower of lovely blossoms.

Chas. Akehurst & Son, of White Marsh, one of the largest producers of carnations for this market, are much behind the customary quantity of shipments this season. Their plants, however, are making fine growth and without doubt will soon catch up.

S. B.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

UNUSUALLY COLD WEATHER.

The past week has been very cold, with the mercury hovering around the zero point and with very little sun, consequently the supply of flowers has shortened up until the prices on some kinds have almost reached the point usually obtained at Christmas time, and the old story that there will be a short supply for Christmas is heard on every hand, while others will tell you that they have heard that for so many years that they do not take any stock in it, and are confident that there will be plenty of flowers in the market when Christmas comes. The violet growers state that their flowers are coming very slowly and as they cannot be forced with any degree of success feel that the supply will not be up to the demand and will surely bring an extra price as is always the case when the supply is short. Carnations have been scarce this week, particularly red and white. Roses are the most plentiful flower in the market. The growers are bringing in stevia, which helps so much in making up the beautiful Christmas boxes. Flowering plants are in good supply, and are selling at the usual prices. The retail stores have taken on their Christmas dress and with azaleas in full bloom and the red poinsettias, certainly present an appearance that is very beautiful at this season of the year, when the weather is so cold. A week of sunny weather, for which the florists are anxious, will make a material change in the conditions.

NOTES.

Thomas Roland of Nahant is sending in some very nice plants, among them some of the best cyclamen that have been seen in this market for a long time.

A. Leuthy & Co. of Roslindale are sending in the usual supply of plants, for which their establishment is noted.

A. M. Davenport of Watertown is marketing a great variety of plants, including fine begonias and ferns.

W. E. Walke has some very nice poinsettias, with extra large flowers, that are finding ready sale.

Pierce Bros. of Waltham are offering their thousands of azaleas which they annually grow.

H. W. Vose of Milton has a fine lot of Trumpet Major narcissus for the Christmas trade.

The first freezia was brought in from the Sutermeister estate on Saturday, December 17.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Dec. 21.	Per 100
Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	10 00@12 00
" Bride, Bridesmaid	10 00@12 00
" " Extra	12 00@25 00
" Killarney and Richmond	12 00@25 00
" My Maryland	12 00@25 00
" Carnot	8 00
Carnations, select	3 00@4 00
" fancy	4 00@6 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Chrysanthemums	8 00@35 00
Gardenias	25 00@5 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@4 00
Violets	75@1 00
Smilax	12 00@16 00

ST. LOUIS, Dec. 21.	
Roses, Beauty, long stems	30 00@40 00
" " medium stems	8 00@10 00
" " short stems	2 00@4 00
" Bride, Bridesmaid	5 00@8 00
" Killarney	5 00@8 00
" My Maryland	5 00@8 00
" Richmond	5 00@8 00
Carnations	4 00@5 00
Easter Lilies	10 00@12 50
Adiantum	1 25
Asparagus Sprengerii	2 00@3 00

CINCINNATI, Dec. 21.	
Roses, Beauty	1 00@6 00
" Bride, Bridesmaid	2 00@8 00
" Golden Gate	2 00@8 00
" Killarney	2 00@6 00
" Richmond	2 00@8 00
" Pres. Taft	3 00@8 00
Carnations	3 00@6 00
Callas	10 00
Chrysanthemums	15 00@25 00
Lilium Longiflorum	12 50@15 00
Narcissus Paper White	4 09
Lily of the Valley	3 00@4 00
Adiantum	1 00@1 50
Asparagus Sprengerii, per bch. 25	

MILWAUKEE, Dec. 21.	
Roses, Beauty, per doz. 3 00@12 00	
" Bride	6 00@15 00
" Killarney	8 00@25 00
" Richmond	8 00@25 00
" Perle	6 00@15 00
Carnations	5 00@10 00
Lilium Gigantum, per doz., 2 00	
Lily of the Valley	4 00
Paper Whites and Romans	3 00@4 00
Poinsettias, per doz., 3 00@4 00	
Stevia	1 50@2 00
Violets	2 00@2 50
Adiantum	1 50
Asparagus	50
" Plumosus, per bunch, 35	
" Sprengerii, 35	
Boxwood	25
Ferns, Fancy	2 00
Galax	1 50
Smilax	1 75
Wild Smilax	5 00

The Boston Gardeners' and Florists' Club meets in Horticultural Hall December 20.

Mann Brothers of Randolph marketed the first tulips on December 17.

H. C. W.

MADISON, N. J.—The Model Stemmer Company have been granted articles of incorporation to manufacture florists' materials and supplies. The capital stock is \$10,000. The incorporators are Edward H. Behre, Susan Simonson, Anna Behre and Patrick Martin of Madison.

H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of CUT

FLOWERS and Jobbers of

FLORISTS' SUPPLIES.

Columbus, Ohio

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies.

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000; by the case, \$7.50. Boxwood, 50-lb. case \$7.50; by the lb., 25c. Laurel Wreaths, 10 inch. \$1.75 per doz.; 12-inch. \$2.25 per doz.; 14 inch. \$3.00 per doz.; 16-inch. \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

Rochester Florists' Association.

At the monthly meeting of the Rochester Florists' Association held December 12 in the Center building, two friendly tickets were put in the field for the annual election of officers to be held in January. The following are the nominations: president, H. E. Wilson and George B. Hart; vice-president, E. R. Fry and George Keller; secretary, H. B. Stringer; treasurer, W. J. Keller and R. G. Salter; trustees, F. Schlegel, Charles Shur, J. O. Fridmore and John Perie, G. T. Boucher and E. Berry. A lecture course will probably be inaugurated, and specialists will be invited to address the association during the coming year.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago**New York.**

Twenty-three degrees of frost came along unexpectedly one morning and naturally several lots of frozen flowers was the result. We have been having some bitterly cold weather, accompanied by high winds and the flower trade in general has suffered thereby. With Christmas so close upon us, stock of all kinds increasing in quantity and prices dropping owing to bad weather chiefly, the prospects for very high prices during the holidays does not seem very bright. Still, changes can occur so suddenly in this market that he who prophesies market values is very apt to make mistakes. Roses of all kinds are getting more plentiful and they are good. Prices obtained vary according to the number purchased, the averages must necessarily be low, however, for, while the quoted figures may not seem abnormally cheap, there is a general slashing made of those prices wherever a chance occurs to unload. It is very evident from the size of the present consignments that there is going to be a heavy supply of extra grade flowers of such kinds as American Beauty, White and Pink Killarney and My Maryland. Carnations have been doing so well for several weeks that it seems too bad that at this time they should begin to accumulate and decrease in value. It is a fact, nevertheless, they have become too numerous for the regular demand and are selling much cheaper than for several weeks past. Violets have stiffened slightly in value from some cause or other. Dame Rumor says there will be plenty for all for Christmas, and no fancy prices reached. The real fresh article is generally an unknown quantity until the actual holiday arrives and the sweet smelling ones will, of course, bring the price. *Cattleya trianae* is evidently off crop entirely, there are so few of them in evidence. There is a much better supply of the smaller flowered *C. Percivaliana*, and in many instances this makes a good substitute but it never really can take the place of old *trianae*. There is a limited supply of *oncidium* which sells easily; *cypripediums* are not in much demand, there is a constant supply on hand. Lilies have taken a tumble in price, the supply is heavier and there are now several grades of them on the market so that the prices have quite a wide range. The first tulips of the season came in this week. Both pink and white colors are represented and the asking price is 25c per bunch of six, considering the time of year, they have excellent stems. *Stevia* is very plentiful indeed and is going at five or six bunches for one dollar. *Narcissus* has begun to crowd the market and has dropped nearly one-half in value. Roman hyacinths not coming in so heavily as yet, maintain fairly steady prices. *Chrysanthemums* are few and far between. They are nearing the end of their season and from the poor demand there is for such as are available it is quite evident there will be no regrets when they are entirely gone. Sweet peas do not get so very numerous, the weather must not be favorable or they are not planted so heavily as in some former years. *Gardenias* and daisies are only in moderate supply. *Smilax* is a drug in the market, too much of it coming in altogether for what demand there is. Lily of the valley is selling slow with a marked tendency to lower prices. As the

Siebrecht & Siebrecht

Wholesale Florists

136 W. 28th St., New York City

week advanced the weather took a decided turn and became quite warm, which proved a great blessing to growers who had plants to deliver. It gave us added impetus, to the cut flower trade however, supplies continued in excess of the demand and accumulations of stock were offered at sacrificial prices and still clearances could not be effected satisfactorily.

NOTES.

In elevating J. B. Nugent, Jr., to the president's chair the members of the New York Florists' Club have deprived themselves of a first class caterer. As chairman of the house committee, which office he has filled for a number of years, Mr. Nugent always provided a sumptuous repast at each meeting of the club.

The many friends of Edw. C. Horan, wholesale florist, 55 West Twenty-eighth street, will learn with regret of the death of Mrs. Horan, which occurred December 11, after a short illness. The funeral took place on the Tuesday following. Besides the husband, a son and two daughters are left to mourn their loss.

S. S. Pennock-Meehan Co., at their store, 109 West Twenty-eighth street, has installed a ribbon case with glass front that displays the stock of this florist's necessity very advantageously. This firm is carrying quite an extensive line of ribbons in all grades and patterns.

The steam boiler that furnishes the heat for Young & Nugent, 42 West Twenty-eighth street, and for James McManus, who is located in the same building, gave out during one of the coldest days, causing some discomfort until the necessary repairs were made.

Charles Carlin, the well known buyer for Thorley, celebrated his sixty-fourth birthday last week. Rain or shine Charlie is always on the job and it is few good things indeed in the flower line that reach this city that escape his notice.

Flowering plants are demanding the attention of retailers to a great extent and that is one reason why the cut-flower business drops a little just previous to Christmas. Indications point to a clean sweep on all good plants.

The Draper Mfg. Co., 152 Front street, are putting out a recording thermometer that is very useful to growers who like to know just how the temperature in the greenhouses fluctuates.

John F. Sharkey, retail florist, Forty-sixth street and Sixth avenue, is happy over the fact that his wife presented him with a fine boy. The stranger arrived on December 6.

Harry Turner, superintendent of the Castle Gould estate, sailed for England on the S. S. Mauritania, which left this port on December 19, to spend Christmas at his former home.

James McAniney recently opened a retail store at 3415 Broadway under the name of The Riverside Florist.

Chas. B. Weathered was in Newburgh, N. Y., on a business trip recently.

Charles Weiss & Sons127 West 28th St. NEW YORK
Telephone 1202 Madison Square**WHOLESALE FLORISTS**
Receivers and Growers of Cut Flowers.
Consignments Solicited.**JOSEPH J. LEVY**

(Successor to John Seligman & Co.)

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56 West 28th Street, New York
Mention the American Florist when writing**WILLIAM H. KUEBLER**

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

Kessler Bros., plant dealers at 136 West Twenty-eighth street, say the demand is excellent and everything will probably be sold out by the twenty-second.

Among recent visitors in town were P. Welch, Boston, Mass.; D. T. O'Connor, Philadelphia, Pa.; Thos. Proctor, Lenox, Mass.; Arthur Taylor, Boonton, N. J.

There was some talk about Christmas trees going to be scarce this year but we noticed the usual supply was in evidence along the river front.

Wm. Miller, of the Noe staff, wholesale florists in the Cut Flower Company, was passing cigars around on Saturday last; it's a boy.

Arthur T. Boddington, seedsman, is in Lenox, Mass., on a short business trip.

St. Louis.

FINE WEATHER.

The weather has been fine with sunshine and moderate temperature. Carnations are not being received in any quantity but narcissus is fairly plentiful and the supply of violets is increasing. The retailers are pushing blooming plants, their show windows being decorated with begonias, azaleas, poinsettias and other Christmas novelties.

NOTES.

C. Young & Sons Co.'s windows are beautifully decorated with azaleas and poinsettias, tastefully arranged with the latest pot covers and accessories.

Shortly after New Year's plans will be formed to entertain the Chrysanthemum Society of America and to hold a flower show next fall.

Alex. Waldbart & Sons have a fine stock of Christmas plants.

Kalisch Bros. have a fine display of orchids and other flowers.

A. Siegel has a fine show of wreaths, holly and mistletoe.

The Riessen Floral Co. have a fine window display.

R. J. Windler's store is a grand sight with the Christmas plants and flowers.

W. F.

Young & Nugent,

Telephone 2065-2066 Madison Square
 42 West 28th Street,
 To out-of-town florists
 We are in the Heart of
 And give special attention to steamer and Theater orders. Prompt
 deliveries and best stock in the market.

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 1665 }

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We can
Please you.

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Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

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Wholesale Florists

Consignments Solicited.

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54 West 28th St. NEW YORK.
 Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Dec. 21.

Roses, Beauty, special.....	25 00@40 00
extra and fancy.....	15 00@25 00
No. 1 and No. 2.....	2 00@ 5 00
Bride, Bridesmaid, special.....	6 00@ 8 00
extra and fancy.....	4 00@ 5 00
No. 1 and No. 2.....	2 00@ 3 00
Killarney, My Maryland, spi.....	6 00@ 8 00
extra and fancy.....	4 00@ 5 00
No. 1 and No. 2.....	2 00@ 4 00
Carnations.....	2 00@ 6 00
Cattleyas.....	40¢ 1 00
Chrysanthemums..... per doz.,	50¢ 2 00
Gardenias..... per doz.,	75¢ 4 00
Lilium Longiflorum.....	6 00@10 00
Lily of the Valley.....	2 00@ 4 00
Narcissus P. Whit.....	1 50@ 2 00
Roman Hyacinths.....	2 00@ 3 00
Sweet Peas..... per doz. bchs.	75¢ 1 50
Violets.....	35¢ 1

BUFFALO, Dec. 21.

Roses, Beauty, special.....	40 00@50 00
extra.....	30 00@35 00
extra.....	20 00@25 00
No. 1.....	10 00@15 00
No. 2.....	4 00@10 00
Bride, Maid, Killarney.....	4 00@ 8 00
Kaiserin.....	4 00@ 8 00
Pres. Carnot.....	4 00@ 8 00
White Killarney.....	5 00@12 00
Carnations.....	2 00@ 5 00
Callas.....	10 00@12 00
Lilium Longiflorum.....	12 00@15 00
Lilium Speciosum.....	4 00@ 6 00
Lily of the Valley.....	4 00@ 5 00
Mignonette.....	3 00@ 4 00
Narcissus Paper Whites.....	2 50@ 3 00
Stevia.....	1 00@ 1 25
Sweet Peas.....	1 50@ 75
Violets.....	1 00@ 1 25
Adiantum Croweanum.....	75¢ 1 50
Asparagus, per bunch.....	35¢ 50
Asparagus Sprengeri.....	35¢ 50
Asparagus Str.....	50¢ 60
Ferns..... per 1000.....	\$2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-
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 Phones 4626 and 4627 Madison Square.

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MADISON, NEW JERSEY

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Chrysanthemum Novelties my specialty.

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WHOLESALE FLORIST,

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50-lb. case Extra Fine SMILAX

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2 to 4 ft., \$3.50 and \$4.00 per 100.

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PINE APPLE, ALA.

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Unknown customers, satisfactory references or C. O. D.



New Jersey Floricultural Society.

The regular monthly meeting of the New Jersey Floricultural Society was held December 9 in their rooms, 240 Main street, Orange. Election of officers was held, when by one unanimous vote all the old officers were reelected.

Albert F. Larson, president.
Dederich Kindsgrab, vice-president.
Walter M. Gray, treasurer.
William Reid, secretary.

It was decided to have two classes hereafter in the monthly competition which will be known as A and B. The B class will be for the smaller growers. The executive committee will meet on December 17 to arrange for the schedule and prizes for the monthly exhibitions for the coming year. The competition for this year will close at the January meeting. The silver cups will be given to the winners in the various classes at the annual smoker which will be held in February. Eugene Von Lombacht was elected to membership in the society; eight other new candidates' names were nominated for membership.

William Reid, gardener for Sidney M. and Austin Colgate, read a paper on "The Care of Apple Trees" before the society. He declared the apple was the king of all fruits and one of the most healthful to eat that is grown, and that it can be had all the year round and cooked in a great many different ways. In pruning the trees, the branches should be cut off close to the main limbs. The latter end of November and the early part of December was a good time to do the pruning, for, as a rule, the weather is very pleasant for the work at that

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Plain Foli 9c per lb.
Imported Magnolia Leaves.... \$2.00 per hamper
Boxwood Sprays, very best quality... 15c per lb.

Best quality Wild Smilax.... \$6.00 per 50 lb. case

Immortelles..... 14c per bunch
13c per bunch in case lots. 125 bunches in case

It will pay you to buy from us, as you will save money on every article you buy.

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FANCY FERNS, \$1.50 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10,000, \$7.50
Sphadnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case \$8.50
Lod Moss, in barrels for hanging baskets..... \$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

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Southern Wild Smilax

Can fill all orders, large or small, promptly, on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

time. In old or neglected trees that are full of holes, he advised digging out all the decayed wood and filling up with cement, so that the bark can grow over it, and leaving some of the suckers that grow from the main limbs and cutting out some of the older branches. By doing so the trees get renewed life again. Spraying for the San Jose Scale should be done in December and March, for which Scalecide was very effective. He recommended scraping all the loose bark off the trees in February and cutting off the tops of the very high trees, so as to make it more convenient for spraying, thinning and picking the fruit. Any poor or worthless varieties of apple trees he advised cutting the tops off and top grafting better varieties on them in the spring, just when the buds begin to swell. It is necessary to spray for the codling moth just when the blossoms commence to drop, at least three times, about ten days apart, for later broods using two pounds arsenate of lead to 25 gallons of water. He advised for small gardens the planting of dwarf apple trees as they take up very little space and are very interesting, and they bear the first year after planting. He was given a rising vote of thanks by the society for the paper.

The following are the awards of the judges: A. B. Jenkins, Albert F. Larson, gardener, 93 points; Thos. A. Edison, Frank Drews, gardener, 90 points; S. M. and A. Colgate, William Reid, gardener, 90 points, for roses. S. M. and A. Colgate, William Reid, gardener, 95 points; Chas. Hathaway, W. A. Schneider, gardener, 85 points, for car-

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Wholesale and Retail Dealers in all kinds of

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Ferns, Bronze and
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nations. William Reid, seedling carnation, 80 points; William Reid, Begonia Gloire de Lorraine, 90 points; William Reid, Nephrolepis Scholzei, 80 points; Lager & Hurrell, collection orchids, 85 points. Certificates were awarded to Chas. Hathaway for chrysanthemums; A. B. Jenkins, roses; Thos. A. Edison, roses; Essex County Country Club, carnations and sweet peas. The judges were Chas. W. Ashmead, Malcolm McRorie and Edward Eccles.

WILLIAM REID, Sec'y.

SIERRA MADRE, CALIF.—A very elaborate spring flower show is being planned by the Board of Trade and Women's Club to be held April 20-22, 1911.

OAKLAND, CALIF.—The office and nursery of Domoto Bros. were removed December 8 to their former branch location between Yoakum and Hawley avenues, near East Fourteenth street, and the postoffice address now is Fitchburg, Calif.

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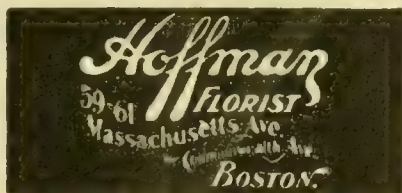
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Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
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Louisville, Ky.

F. Walker & Co.,

FLORISTS.

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.....634 Fourth Avenue

New York.

Established 1874.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
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**HOLM & OLSON,
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The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

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Canada's best known and most reliable florist

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Best Dunlop's**

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We deliver anywhere in Canada and guarantee
safe arrival.

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Will take proper
care of our orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

WANTED.—A few bags of Australian Brown. California papers please copy.

VISITED MINNEAPOLIS: A. H. Goodwin, Chicago; W. H. Grenell, Saginaw, Mich.

THE National Cannery convention will be held in Milwaukee, Wis., February 6-10, 1911.

F. W. BRUGGERHOF's many friends in the trade will regret to learn of the death of Mrs. Bruggerhof, December 14.

ROBERT BUIST, of Philadelphia, Pa., died December 13. For further details see obituary elsewhere in this issue.

CHICAGO.—Prices on the board of trade December 21 for grass seed were noted as follows: Timothy, \$9 to \$10 per 100 pounds. White clover, from \$22 to \$28.

VISITED CHICAGO: Walla Walla (Fred H.) Hunter, representing Waldo Rohnert, Gilroy, Calif.; Chas. P. Guelf, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.

THE drought continues in the California seed growing districts. The seed crops have had practically no rain this season and about 25 per cent of the average annual rainfall is now past due.

THE new seed warehouse of the W. Atlee Burpee Co. is reported to be a model, light on all sides, with library, rest and lunch rooms, in which warm meals will be served, included in the innovations.

HOLLY AT NEW YORK.—The holly situation was changed materially December 20 by the arrival of 45 carloads from the south. This had been shipped on commission and resulted in glutting the docks and demoralizing prices.

THE seedsmen are certainly a patient lot. Look at the proposition of Doubleday, Page & Co., publishers of the Garden Magazine, who carry on hand and offer to mail Sutton's English catalogue to all American customers and yet solicit strenuously the advertising of American seed houses. What next?

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

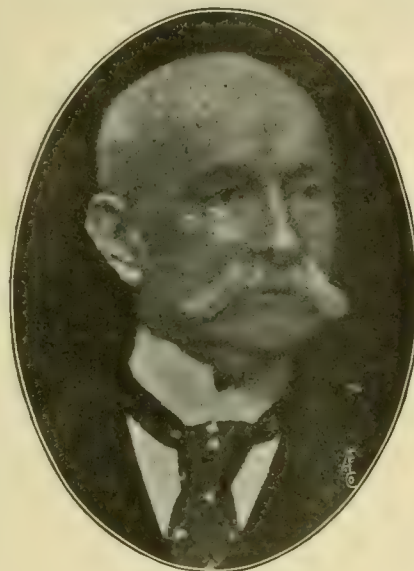
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

NEW YORK.—J. M. Thorburn & Co.'s seed store was closed Friday December 16, owing to the funeral of Mrs. Bruggerhof on that day.—"Buds" have added Japanese dwarfed plants to their stock, a direct importation from Japan having arrived but recently.—C. W. Scott and wife of the Yokohama Nursery Co. expect to sail for Bermuda December 24.—Vaughan's Seed Store is receiving and shipping tuberose bulbs this week.

Catalogues Received.

Geo. Wittbold Co., Chicago, special list of fall bargains; J. M. Thorburn & Co., New York, preliminary trade list of seeds; Julius Roehrs Co., Ruther-



The Late Robert Buist.

See Obituary. Page 1101.

ford, N. J., new celosia; Pittsburgh Cut Flower Co., Pittsburgh, Pa., florists' supplies; Elm City Nursery Co., New Haven, Conn., nursery stock for autumn planting; Samuel C. Moon, Morrisville, Pa., wholesale price list of nursery stock; H. J. Weber & Sons Nursery Co., Nursery, Mo., general list of nursery stock; W. Atlee Burpee & Co., Philadelphia, Pa., choice sweet peas for 1911, and advance wholesale list for 1911; Luther Burbank, Santa Rosa, Calif., novelties for 1910-11; Archias Seed Store, Sedalia, Mo., fall

list of bulbs, seeds, plants, etc.; California Rose Co., Pomona, Calif., roses for 1910-11; Michler Bros. Co., Lexington, Ky., fall list of bulbs, shrubs, etc.; Wild Bros. Nursery Co., Sarcoxie, Mo., fall trade list of nursery stock; Devils Lake Nursery, Devils Lake, N. Dak., list of nursery stock and planting guide for North Dakota; L. J. Farmer, Pulaski, N. Y., strawberry plants and trade list of raspberries, potatoes, etc.; Weinman Pump Mfg. Co., Columbus, O., pumping machinery; Crestline Mfg. Co., Crestline, O., sprays, spraying, etc.; Peter Bohlender & Sons, Tippecanoe City, O., special trade list of nursery stock for 1910-11; Little River Nurseries, Little River, Fla., winter list of orange, grapefruit and ornamental stock; W. M. Woodruff & Son, Lowgap, N. C., wholesale list of galax, ferns, etc.; American Forestry Co., South Framingham, Mass., trees, seeds, etc.; Lewis H. Wise, Jersey City, N. J., forestry and landscape architecture; Fancher Creek Nurseries, Fresno, Calif., list of nursery stock for 1910-11; Eastern Nurseries, Jamaica Plain, Mass., wholesale trade list of nursery stock for 1910-11.

W. W. Johnson & Son, Boston, England, special lists of tomatoes, sweet peas and flower seeds; Pape & Bergmann, Quedlinburg, Germany, novelties for 1911; Sluis & Groot, Enkhuisen, Holland, novelties and less known seeds and advance list of seeds; F. C. Heinemann, Erfurt, Germany, trade list of seed novelties for 1911 and special trade list of novelties; Watkins & Simpson, London, England, special list of seed novelties for 1911; Ernst Benary, Erfurt, Germany, seed novelties for 1911; M. Leenders & Co., Steil-Tegelen, Holland, roses; Perry's Hardy Plant Farm, Enfield, England, special autumn lists of trees and shrubs, rock and border plants and labels; Arpad Muhle, Temesvar, Hungary, roses for 1911; Roustau, Servan & Co., St. Remy de Provence, France, wholesale list of seeds for 1910-11; Kelway & Son, Langport, England, wholesale list of gladioli; Groenewegen & Son's Nurseries, De Bilt, Holland, special list of nursery stock; Uberto Hillebrand, Palianza, Italy, special list of seeds for 1910-11; Fredrick Roemer, Quedlinburg, Germany, seed novelties for 1911; Soupert & Notting, Luxembourg, Luxembourg, new roses for November, 1910; Geo. Jackman & Son, Woking, England, wholesale list of plants; Thompson & Morgan, Ipswich, England, special trade list hardy herbaceous and Alpine plants; H. Merryweather & Sons, Southwell, England, trade list of trees, shrubs, etc.; V. Lemone & Sons, Nancy, France, autumn list of plant novelties; Barnham Nurseries, Barnham, England, trade list of trees, roses and general nursery stock; S. Bide & Sons, Farnham, England, trade list for 1910-11 of nursery stock; Vincent Lebreton's Nurseries, La Pyramide-Trelaze, France, wholesale trade list of nursery stock for 1910-11; A. Couteau, Orleans, France, special list of roses for 1910-11.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Our New Catalogue Will Be Ready at Christmas.

SEEDS

PEDIGREE STOCKS of
Vegetable and Flower Seeds for
Market Growers and Florists.

Radish, Sparkler.

A splendid new variety. Bright scarlet top, with large, pure white base. The two colors are sharply divided and do not merge one into the other, as in the old Red Turnip White Tip. Quite distinct. Very dainty appearance on the table. \$40 per 100 lbs.

New customers are requested to send cash with order or usual references.

WATKINS & SIMPSON, Ltd., 12 Tavistock Street, Covent Garden,
LONDON, ENGLAND.

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SEEDS

OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Mention the American Florist when writing

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yellow Bird Millet, \$1.75
Fancy Hemp Seed, 2.75	Bird Vetches, 2.25
Sicily Canary Seed, 2.62	Red Bird Millet, 2.25
German Bird Rape, 3.50	Canada Field Peas, \$1.50 per bushel.

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLGIANO & SON,** Importers and Wholesalers, Baltimore, Md. Established for 92 years.
Mention the American Florist when writing

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

SEVEN TOP

Seed Merchants whose supplies of **SEVEN TOP TURNIPS** are under their requirements are requested to ask for prices, at same time naming quantities they are short.

D. LANDRETH SEED CO.,

Bloomsdale Farms, Bristol, Penna.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
149 West 14th St., New York

Seeds Fresh Seeds

"For Early Sowing." Trade pkt. Oz.
Salvia, Clara Bedman, "Bonfire"....\$0.25 \$2.25
Salvia, Splendens. .15 1.00
Verbena, S. & I. Choice Mammoth .25 1.50
Mixed. .25 1.25
Verbena, S. & I. Choice Mammoth, separate colors. .25 1.25
Lobelia, Crystal Palace Compacta... .25
Lobelia, Speciosa (Trailing) .15
Begonia Luminosa, fiery, dark scarlet .40
Begonia Vernon. .1-16 oz., 50c .25
Petunia, Giants of California.....1-16 oz., \$2.00 .50
Asters (Vick & Hill grown). See catalogue.



Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia, Pa

Send for our new catalogue.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS
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John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns
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The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

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The alimentary canal in man is thirty-two feet long and only the first three inches you control. It is a very small proportion but a very important part. The man who knows how to manage his tongue well, is a valuable man. Get the habit of self-control smile and let the others talk. He who attends to his own business has no time to attend to the business of others. The man who tears down reputations always gets most of the dirt himself.

The best **Horseshoe Brand** salesman is **Horseshoe Brand** Products, They will satisfy the most critical. There are reasons and good ones, why **Horseshoe Brand** bulbs are of superior quality--ask the man who grows them. All varieties ready for immediate or later delivery at reasonable prices.

Write Us.



Ralph M. Ward & Company

"Not How Cheap—
But How Good."

12 WEST BROADWAY,
NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

LANCASTER, O.—M. M. Wiese, the well known grower of indoor vegetables, reports that the lettuce business has been very slow thus far.

Prices of Indoor Fruits and Vegetables.

Chicago, December 19.—Mushrooms, 20 cents to 25 cents per pound; cucumbers, \$1.75 per dozen; lettuce, 35 cents to 40 cents per case; tomatoes, 15 cents to 20 cents per pound; radishes, 25 cents to 65 cents per dozen.

New York, November 17.—Mushrooms, 50 cents per pound; cucumbers, 15 cents each; lettuce, \$1.50 per dozen heads; tomatoes, 35 cents per pound; radishes, 60 cents per dozen bunches; asparagus, \$9 per dozen bunches; grapes, \$1 per pound; muskmelons, California grown, 75 cents each.

Wichita, Kans.

The lettuce growers of Wichita are complaining of poor trade conditions. Good prices and a market for all of their cut has encouraged production for some time past until a considerable area and capital is involved. But just at this time, when they are all in with a good big crop for the holiday trade, there come heavy consignments from outside growers to the commission houses which have usually provided the outlet for the bulk of the Wichita cut. The most of this cut, so it seems, comes from a large plant built at a neighboring town, which, finding their home market inadequate, has glutted the Wichita market in quantity and broken the prices so that, even at the low prices, the Wichita growers can only find market for a very small part of their cut at any price. This situation, coming so unlooked for, has found the growers here with no provision for the marketing of their cut in other larger markets outside of Wichita. An organization of the growers with a selling agent and selling direct to the grocers, or finding an outside market, or both, seems the probable and only solution. W. I. CHILA.

Forcing Cauliflower.

ED. AMERICAN FLORIST:

Please advise me which is the best method of raising cauliflower in hot houses? OLD READER.

We believe more failures result from the use of poor plants than from any other cause; and while this applies to many crops, it especially applies to cauliflower either indoors or out-of-doors. Once checked, the development is arrested, resulting in buttoning of the crop, and this again often is responsible for the various freak heads developed. Too often the seed is blamed, when really the treatment is at the bottom of the trouble. We will dwell at length upon this plant subject, because the other part of the business is more a matter of plenty of nourishment and water.

There are several types used for forcing; one may be termed the Erfurt type, the other the Snowball. The Erfurt class is the earliest and therefore much more impatient in regard to checks. This is so pronounced that expert operators never dibble this class, as they resent two transplantings. The seeds are sown thickly in good soil and the plants allowed to develop where they germinate until large enough to plant into permanent beds. Some growers pot the seedlings as soon as well up, which is an excellent method where one is a good hand at producing pot stock; but too often inexperienced men ruin pot plants easily either by overwatering, drying out, or starvation. Pot plants must be set out as soon as the roots have filled the pot. To sum up, the plants must be developed from start to finish without a stop.

Cauliflowers being gross feeders, need solid beds for best development. They are generally started among some other crop, mostly lettuce. Radishes would not do, as cauliflowers and radishes are very much subject to the same enemies and diseases and thus one would court trouble. However, this double cropping is also a risky business, as the best of plants can be choked out of life among large lettuce.

Just before the leaves close is the time for a good top dressing. A good way is to apply a coat of fertilizer and then a mulch of old manure. Nitrogen is needed as much as anything else; in fact, a fertilizer could almost be equally proportioned: 10% potash, 8% phosphates and 7% nitrogen, mostly nitrate of soda, would be a good combination, together with a coat of manure.

The nearer the crop is to the flower development, the more feed and water is needed for success. Under glass cauliflower is very sensitive to currents of air and ventilation must be more carefully given than for lettuce. If allowed to flay they are easily ruined. To bleach them the leaves are tied much the same as outdoors.

The distance apart may be 15x15 inches for Erfurt and 18x18 for Snow-

ball types. Temperature a little warmer than for lettuce.

MARKETMAN.

For Sale.

1000 lbs. surplus Onion Seed
1910 crop.

N. J. WESTERMAN
Contract Onion Seed Grower.
BEUCHEL, KY.

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market For quotations please apply to

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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
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CHICAGO: 84-86 Randolph St. NEW YORK: 25 Barclay St.

Seeds for the Market Gardener

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 136 page, 25th anniversary, catalogue contains true description and no overdrawn illustrations. Our prices are right quality considered. Market Gardeners are requested to write for our Market Gardeners' Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE,

'Box 700
Established 1886

Beatrice, Neb

Onion Seed==Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS. --- Chillicothe, Ohio.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Rooted Carnation Cuttings

Ready for Immediate Delivery A No. 1 Stock
guaranteed satisfactory in every respect.



	Per 100	Per 1000
Washington, cerise. a sport from		
Enchantress.....	\$10 00	\$ 75 00
Princess Charming, beautiful flesh		
pink.....	12 00	100 00
Conquest, variegated.....	6 00	50 00
Sangamo, brilliant pink.....	6 00	50 00
Mary Tolman, deep flesh.....	6 00	50 00
Dorothy Gordon, pink, excellent.....	6 00	50 00
Scarlet Glow, very good.....	6 00	50 00
J. Whitcomb Riley, yellow.....	6 00	50 00
Shasta, white.....	6 00	50 00
Pink Delight, flesh pink.....	6 00	50 00
May Day, flesh pink, very free.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Winsor.....	3 00	25 00
Winona.....	3 00	25 00
Alvina, cerise.....	3 00	25 00
Aristocrat, cerise.....	3 00	25 00
Afterglow.....	3 00	25 00
White Enchantress.....	3 00	25 00
White Perfection.....	3 00	25 00
O. P. Bassett, scarlet.....	3 00	25 00
Victory.....	3 00	25 00
Beacon.....	3 00	25 00

CHICAGO CARNATION CO., A. T. PYFER, Manager
Phone Central 3373. 35-37 Randolph St., Chicago.

Mrs. Aaron Ward

The Yellow Forcing Rose

Which has won the admiration of all. The freest grower on our place, producing as many flowers as Killarney.

Color a charming shade of coppery yellow, which will delight every purchaser of cut flowers. **Form** exquisite.

A Popular Rose at a Popular Price

Own Root ready Jan. 1, at \$12.00 per 100; \$100.00 per 1000.

Grafted Stock, March 1, at \$25.00 per 100.

The E. G. HILL CO., **Richmond, Ind.**

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16, 1911.

THE December number of the Crop Reporter issued by the Department of Agriculture states the value of nursery stock exported during 1910 is \$324,136, an increase of more than \$7,000 over the previous year.

Two Fine Foliage Plants.

During the summer and fall it would be difficult to say which was the finer of two elegant large-leaved shrubs here in California, *Wigandia macrophylla* or the rice paper tree (*Fatsia papyrifera*). But now that the latter is flowering there is no question as to which is the finer. This latter, in addition to the beautiful large leaves, is now covered with the immense panicles of creamy white flowers. These are small individually but the panicles are over a yard in length, erect at first but becoming semi-pendant with the weight of the hundreds of flowers. And a tree 12 to 15 feet high with a couple of dozen of such flower spikes is certainly a noble plant in the landscape. The *wigandia* has a stiffer, harder outline and rather a somber effect if overplanted but it makes a magnificent lawn specimen where there is ample room for its full development.

H. R. R.

Rosa Rugosa.

Of all the roses, this is the hardiest, has the best foliage, is free absolutely from mildew and insect pests, grows well in ordinary soils, is fine for grouping among other shrubs, flowers freely and has very ornamental fruit.

What more can be said in favor of any plant? And yet we find that from some sources in the recent past a miserable mongrel strain of *Rosa rugosa* has been disseminated, lacking vigor, also the fine, uniformly dark green foliage, and when the seed vessels appear they are small, soon dry up and lose their beauty. The plants live and flower, it is true, that is to say, they stay with us, but as compared with the true type, are not to be tolerated except until better can be secured.

The writer has been studying closely the past summer a lot of these plants, the first symptom of doubt being caused by a close examination of the foliage which differed in each plant; later, when the fruit appeared, enquiry elicited the fact that there was a bastard strain of this beautiful Rose of Japan in the trade, and we have it.

If any reader has stock of the true *R. rugosa*, let him save the seeds now, it is not too late to gather them, and sow in boxes placed out of doors to freeze for a few days; it does not matter how little or how long, then place in warmth in a greenhouse, and it will be seen that every good seed will germinate at once. Transplant when large enough in other flats, and set outdoors next May, and it is surprising how soon these will be fit to sell, and there is going to be a demand for true *Rosa rugosa* very soon, and stock guaranteed true has already a special value. This

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

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500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

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MORRISVILLE, PA.

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A very common demand made on planters is for shrubs which, besides being an ornamental character, will assist in retaining the soil on steep banks, preventing its washing away in rainstorms and floods from melting snows. There may be others as good, but there can be none better than the varieties of Snowberry, *Symphoricarpos*. The two best known varieties of these are the *S. vulgaris*, with red berries, and the *S. racemosus*, with white ones. They are among the very best of shrubs to form underground stolons from which arise shoots, so that in a very short time one bush becomes the parent of hundred, says the Journal of Horticulture. In the course of time plants set some feet apart have increased so much that one can hardly make a passage between them, the ground at the same time being so full of underground stems and roots that washings away of a bank where they are cannot occur. Coming back to the subject of the *Symphoricarpos*, the variety *vulgaris* is the one having red berries; *racemosus* has white ones. The red berried one is the best one to spread, but as the berries of both are exceedingly attractive in late summer, and into early winter, both should be used in planting. The white berried one represents the Snowberry name, the red one is generally called Red

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Put in your orders now for *Daphne Cneorum*, *Calluna Vulgaris*, *Arabis* and *Alyssum Saxatile*, etc.

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Canna Roots, Strong division, at \$2.00 per 100. \$12.00 per 1000 and up. Send for list.

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Snowberry. The berries of the white one are as large as good-sized marbles, but are not as clustered on the stems as are those of the red, and severe frosts affect them earliest.

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Jessie, per doz., \$5 50; per 100 \$40 00
Phyllis, per doz., 3 00; per 100, 22 00
 They are comers. Write for description.

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2-year per doz., \$2 00; per 100, \$14 00
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 ½ standard each 1 00; per doz., 10 00

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2-year per doz., \$2 50; per 100, \$16 00

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2-year per doz., \$2 00; per 100, \$15 00
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 Standards, 3 to 4 feet each 75c

Dorothy Perkins

2-year per doz., \$2 00; per 100, \$15 00

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2-year per doz., \$3 50; per 100, \$25 00
 Standards, 3 to 4 ft. stem each 1 00

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2-year per doz., \$3 00; per 100, \$20 00

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 Baroness Rothschild, Mrs. John Laing,
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For December and January delivery.

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Variegated foliage, bushy, 18-inch plants, each, 50c; per doz., \$5.00.

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Fine bush plants, full of buds, each 50c; per doz., \$4.50; per 100 \$35.00.

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6 and 7 in. pot grown, 3 to 4 flowering stems
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Best named varieties for Easter forcing.

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Bushy, well shaped plants, 8-12 buds, \$1 00 \$ 9 00
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All of this stock is freshly imported and very choice. Early orders receive first attention.

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 2½-inch pot plants \$ 10 \$ 75 \$ 5 00
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Altheas, all colors, fine plants

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Magnificent stock 100
 2 years planted 15 to 20 branches \$6 00
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Extra strong plants 100
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All on their own roots, field-grown, fine, strong and thrifty.

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We can also supply, in strong young pot plants, over 600 varieties of Roses, including many of the newest kinds. Send for list.

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Great clumps, in splendid shape. All the leading sorts.

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We're open to an offer on these bulbs, as the season is late.

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These are fine stocky plants just right for pans or baskets with other plants. 4-inch \$12.50 per 100; 3-in. \$8.00 100.

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 3½ in. 20 00
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 Fern Dish Ferns, 2½ in. 3 50
 Asparagus Plumosus, 3 in. 5 00
 2-in. 2 50

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Chinese, 2½-in. pot.....	\$12.00	\$1.50
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2½-in.	\$3.50	\$30.00
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500 at 1000 rates. Cash with order.

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Boiler Heating Capacity.

ED. AMERICAN FLORIST:

I have put up a greenhouse 14x60 feet, span roof. I have 5-inch piping and a No. 4 Daisy boiler and thought of putting in one flow and return up each side. Is it best to raise the pipes a little from the starting or to lower them and how much should I set the boiler below the pipes? Of course I have to try this before I know if this quantity of pipe is sufficient. If not how much 5-inch pipe is a No. 4 Daisy supposed to heat? A. P.

If possible set the boiler so that its top will be lower than the returns. The lower the boiler the better the circulation.

If possible to use 2-inch pipe it will be found more satisfactory. The temperature desired is not stated nor does the question give any idea of the climatic conditions, but for 50° there should be one flow and one return on each side of the house and to secure 60° one and better yet two additional pipes should be used. With large pipe it is generally best to have the flow and return pipes on the same level, with the highest point at the farther end from the heater.

If the Daisy heater is the same as the Spence, the No. 4 will look after 600 feet of 5-inch pipe.

To pipe a house 14x60 feet to 60° using small pipe, take one 2½-inch flow pipe and eight 2-inch return, or six returns for 50°. In this case run the flow overhead and have the highest point near the heater. L. R. T.

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Bright Spot

Outclasses everything heretofore grown in the dark pink class. Won first honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, - - -	\$ 12.00	Price per 5000 - - -	\$400.00
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Nephrolepis Scholzell, 2½-in. \$5.00 per 100; 5-in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Plumosus, 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengeri, Strong 5-in. pot plants, 15c.

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Spiraea, large forcing clumps. Gladstone, \$9.00 per 100; Florabunda, \$4.50 per 100; Superba, \$6.00 per 100; Blondin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica at \$4.00 per 100.

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Catalogue now ready. Write for copy.

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2½-in. \$30.00 per 1000

WHITMAN FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2½-inch 15c each.

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PEKIN, : ILL.

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Asparagus Comorensis, 1-yr.-old clumps.....	\$5.00
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Fine stock for dividing up.

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From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.

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Dracena Indivisa, 2½-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.

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Pot-Grown Forcing Plants.

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Malus, Flowering Crab		15 00
Dielytra Spectabilis	6 00	
Aucuba Variegated, for window boxes, 12-15 in.		4 00
Aucuba, fine plants, 18-24 in.		9 00

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Baron Bonstettin.	Gen. Washington.	Crawford.
Crimson Rambler , home grown, 2-year old, 2-3 ft.	Per doz.	100
well branched, own roots	\$2 00	\$12 00
2 year old, 2-3 feet, well branched, budded	2 00	12 00
3 year old, 3-4 feet, well branched, own roots	3 00	15 00
3 year old, 4-5 feet, well branched, budded	3 00	15 00
Dorothy Perkins , strong field grown	2 00	15 00
Baby Rambler , half standard, 30 in. high	9 00	
Lady Gay , 2-year old		15 00
Baby Rambler , dormant, field grown, selected, budded		16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

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We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10-12 inches, \$20 00 per 100; 12-15 inches, \$25 00 per 100; 15-18 inches, \$35 00 per 100.

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Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud. Castellane, Poitevine Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vince Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in. \$10.00 per 100.
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Cash with order.

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sorts for immediate or spring delivery.

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10 at 10 rates.

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Largest size.....\$20.00 per 100
2nd size..... 15.00 per 100

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Color same as Enchantress, but a decided improvement on Enchantress.
\$12.00 per 100; \$100.00 per 1000.

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Awarded a Certificate of Merit by the Horticultural Society of New York.

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Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

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HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

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For December Delivery.

ENCHANTRESS, PERFECTION,
BEACON, \$3.00 per 100;
\$25.00 per 1000.

ROSE PINK and WHITE
ENCHANTRESS, WINSOR,
\$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

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Verbenas!

The Gem Bedding Plant.

Send for circular.

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None better at any price \$2.50 per 1000; 5000, for \$10 00.

Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengerl, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2 1/4-inch pots, \$2.00 per 100; \$5.00 for 300.

Violets, field grown, Lady Campbell to clean out, \$5.00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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Gummed Gold, Silver and Purple Letters, Gold and Purple Script Names for inscriptions on Floral Designs. Best and Cheapest on the Market. Send for Samples and Prices.

J. Lichtenberger, 1564 Ave. A. NEW YORK. Telephone Lenox 5644.

Trade Directory

Of The United States and Canada

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Except Those Using

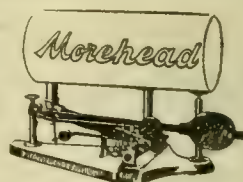
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Alternantheras, red, yellow and Brilliantissima, rooted cuttings, 50c per 100; \$4 per 1,000; 2½-in., \$2 per 100; \$18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengerii, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprengerii, 2½-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Comorensis, 1-year clumps, \$5 per 100. A. elongatus, 1-year clumps, \$5. Geo. Reinberg, 35 Randolph St., Chicago.

Asparagus Sprengerii, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprengerii, 2½-in., 8c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 2-in., 2½c. Asparagus Sprengerii, with 6-10 shoots, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus Sprengerii, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengerii, 2½-in., \$2 per 100. J. O. Schmidt, Bristol, Pa.

Asparagus Sprengerii, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengerii and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus plumosus, 3-in., \$5 per 100; 2-in., \$2.50. The Reeser Plant Co., Springfield, O.

AUCUBAS.

Aucuba Japonica, var. foliage, 18-in., 50c each; \$5 per doz. Vaughan's Seed Store, Chicago and New York.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, 50c each; \$4.50 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Heller Bros. Co., New Castle, Ind.

Bulbs. Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

CARNATIONS.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations. Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Chicago Carnation Co., 35 Randolph St., Chicago.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dorner & Sons Co., La Fayette, Ind.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums. Yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemum Yanoma, \$10 per 100. G. Brunner's Sons, Cincinnati, Ohio.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shremanstown, Pa.

Cinerarias, all shades, 4-inch, ready for 5-inch, \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 60c per 100; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus. Verschaffeltii, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, G. Bedder, Verschaffeltii, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. A. N. Pierson, Inc., Cromwell, Conn.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamens, extra well budded, 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinei, 7-in., \$2.50 per doz.; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. DICKSONIA ANTARCTICA. A grand commercial tree fern of greatest value, 4-in. stock, \$8 per doz.; \$65 per 100. FERN SEEDLINGS in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. ADIANTUM CUNEATUM, 4-in., \$12 per 100. Asparagus plumosus nanus and Sprengerii, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. Y.

Ferns, Whitmani, 4-in., \$12.50 per 100; 3-in., \$8. Superbissima, 4-in., \$25 per 100; 3½-in., \$20. Todeoides, 4-in., \$20; 3-in., \$12. For dishes, 2½-in., \$3.50. The Reeser Plant Co., Springfield, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitmani, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Piersoni, 2½-in., 4c; 3-in., 8c. Elegantisima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. Heavy plants, Boston, 4-in., \$15 per 100. Piersoni Elegantisima, Barrowsi, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Scholzei, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Neph. Glatrass, 2½-in., \$2 per doz.; *12 per 100; \$100 per 1,000. Geo. Glatrass, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beate Poitvine, Mme. Buchner, Strong healthy cuttings, well rooted, prompt delivery \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poitvine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, Special offer, see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geranium cuttings, S. A. Nutt, not rooted, A 1 stock, 75c per 100. Northside Greenhouses, 55 East Pultney St., Corning, N. Y.

Geraniums, standard varieties, rooted cuttings, \$1.50 per 100; \$12 per 1,000; 3-in., 5c; 4-in., 8c. Mosbak Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Poitvine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. R. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, fancy and dagger ferns, \$1.50 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Chegglin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea arborescens grandiflora, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangeas Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

Jerusalem Cherries, 3½-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, Mme. Lemoine, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips, Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips, Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley, Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley, Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$60 for 5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn, English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Hydrangea paniculata, Grandiflora, Viburnum plicatum, altheas, Berberis, Thuja, California privet, Clematis paniculata. For prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Aristolochia Siphon, 3-yr., strong, \$15 per 100. Cornus Amomum, 2-3 ft., \$6. White Snowberry, 2½-3½, \$6. Crataegus Oxycantha, 2½-3½, \$6. Write for additional surplus list. Henry Lake Sons Co., Black River Falls, Wis.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rockery. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Secaucus, N. J.

Orchids, Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies, giants, Masterpieces, Bugnot, Mme. Perret, Prize Trimaradeau. Orchid Flowered, Peacock, Emperor William, Fire King, Snow Queen, Fairy Queen, Our Specials. All kinds separate, your own selection, \$3 per 1,000; 2,000 for \$5. Our selection, all kinds mixed, \$2.50 per 1,000; 2,000 for \$4.50. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansy plants, Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Bel., 2 1/2 in., \$8 per 100; 3 in., \$15 per 100; 4 in., \$35; 5 in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias, McHutchison & Co., 17 Murray St., New York.

Palms, Kentias, Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PELAGONIUMS.

Pelargoniums, Mrs. Loyal, \$5 per 100; \$40 per 1,000; 2-in. stock. Cash please. A. J. Winget, Mansfield, O.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, McHutchison & Co., 17 Murray St., New York.

PRIMULAS.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$13 per 1,000. Obc. alba and rosea, \$1.50 per 100. Obc. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula from 2-in. pots, no better strain in existence. OBCONICA GRANDIFLORA, Ronsdorfer and Latmann's unrivaled hybrids, 14 colors or mixed, 2c. J. L. Schiller, Toledo, O.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash please. J. W. Miller, Shiremanstown, Pa.

Primula obconica, 4-in., 10c; 5-in., 15c. Chinnensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica Grandiflora, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primula obconica, 5-in., \$15 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$13 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, McHutchison & Co., 17 Murray St., New York.

Rhododendrons, Bobbink & Atkins, Rutherford, N. J.

Rhododendrons, Jacs Smit, Naarden, Holland.

ROSES.

Roses, budded-field, grown H. P., extra fine, roots and tops. Fran Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Queen, 50c each; \$35 per 100; \$300 per 1,000. Mrs. Aaron Ward, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. Dingee & Conard Co., West Grove, Pa.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leadle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros, Fishkill, N. Y.

SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, stocks. For varieties and prices see advertisement elsewhere in this issue. Fottler, Fiske, Rawson Co., 12 Faneuil Hall Sq., Boston, Mass.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, Eng.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmer Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiana & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, aster. Elmer D. Smith & Co., Adrian, Mich.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed. Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratekins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle plies, 2 to 4 ft., \$3.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Three-inch Snapdragon plants, light colors. 12 inches high, \$3 per 100. C. C. Pollworth Co., Milwaukee, Wis.

SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

TOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-clumps, \$6 per 100. Dingee & Conard Co., West Grove, Pa.

STOCK WANTED.

Wanted—Potted plants for holiday trade. C. C. Trepel, at Loeser's, Brooklyn, Bloomingdale Bros., New York.

Stock Wanted.—Small hardy, ornamental nursery stock. Give prices and condition of stock; also varieties in first letter. Address, Yancey Bros., Porterdale, Ga.

Stock wanted—Blackberry plants. Address Wm. J. Rieker, 2575a Hebert St., St. Louis, Mo.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling Co., E. C., 32-36 Randolph St, Chicago

Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 228 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St.

Boston—Hoffman, 59-61 Mass. and Commonwealth Aves.

Boston—Penn, the Florist, 43 Broomfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cedar Rapids, Ia.—J. E. Lapes.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Eli Cross, 25 Monroe Ave.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Nashville, Tenn.—Geny Bros.

New York—David Clark's Sons, 2139 Broadway.

New York—Dard's, 44th and Madison Ave.

New York—International Floral Assn.

New York—Alex McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small and Sons.

Omaha, Neb.—Hess & Swoboda, 1415 Farum St.

Philadelphia—J. J. Habermehl's Sons.

Philadelphia—Robt. Kift, 1725 Chestnut.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

Rockford, Ill.—H. W. Buckbee.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.

Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.

Washington—Gude Bros.

Washington—Geo. C. Shafer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses, Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattsville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish. Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.

920 Randolph St., Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{1}{8}$ and $\frac{1}{4}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave., and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems, in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Aphine Mfg. Co., Madison, N. J.

MISCELLANEOUS.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Draper's recording thermometers, 14x20 ins., \$30; 9x14 ins., \$20. The Draper Mfg. Co., 152 Front St., New York.

Model extension carnation support; galvanized rose stakes. Igoo Bros., 266 N. 9th St., Brooklyn, N. Y.

Christmas bells, 6-in., heavy tissue, 50 for \$3; 8-in., regular tissue, 50 for \$2. Vaughan's Seed Store, Chicago.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Vacuum heating system. Chicago Pump Co., 1061 Fulton St., Chicago.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Gummed gold, silver and purple letters. J. Lichtenberger, 1566 Avenue A, New York.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Florists' and gardeners' wheelbarrows. The Toledo Wheelbarrow Co., Toledo, O.

Cut flower and design boxes, all sizes. O. C. Pollworth Co., Milwaukee, Wis.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' supplies of all kinds. J. Jansky, 19 Province St., Boston.

POTS, PANS, ETC.

"NUF-SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot, O. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

A. DIETSCH COMPANY

2642 Sheffield Ave.

CHICAGO



Greenhouse Material

Hot Bed Sash

Do you wish to have a perfect gutter, lasting, not leaking, not sweating? Use our Cedar Gutter.

Trade Directory

OF THE

United States and Canada

Price \$3.00 Postpaid.

American Florist Co.,

324 Dearborn St., CHICAGO.

NOW READY—New 1910 Edition

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Here is One Wing of a House We Built at Katonah, N. Y.

The entire house is 20 feet wide and 104 feet long, having four compartments. It is our Iron Frame Construction which makes a house that's built to last. It has the advantage over all the so-called "newer constructions" because you know it will last because it has lasted. Send for circular.

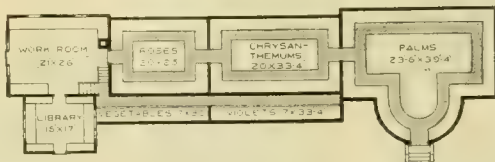
Hitchings & Company
1170 BROADWAY NEW YORK



PLAN 96

It is at Sewickley, Pa. near Pittsburgh, The straight gabled, curvilinear palm house with its single curved bay and ornamental entrance is a decided break away from the general treatment.

For attractiveness, uniqueness and balance, we doubt if it can be beaten. Wouldn't you like to know all about it? Our new catalog will tell you.



Lord & Burnham Co.

Irvington, N. Y.

New York Boston Philadelphia Chicago
St. James Bldg. Tremont Bldg. Heed Bldg. The Rookery

Wichita, Kans.

The usual ante-Christmas conditions seem to prevail. Judged by trade conditions so far this month the holiday trade will be up to the average at least. This is from a retail standpoint. In cut flowers the crop of locally grown stock is of good quality but will be inadequate in quantity, especially in roses and carnations. In Christmas plants the offerings are of wide variety and, generally speaking, of fine quality. In Christmas greens the produce commission merchants have finally taken a dip and as a consequence the grocers, meat markets, news stands, and even the street wagons are offering Christmas trees, holly, mistletoe, wild smilax, etc., with the usual fakirs' inducements. While the quality of such stock is generally damaged somewhat, owing to the care it gets in such hands, yet it is bound to find some buyers, to the detriment of the trade of the florist. The weather still continues dry—no rain since early in October. While this does not suit the farmer, upon whose prosperity so much depends in this western country, yet it has given the florist lots of fine sunshiny weather for growing, and good weather in which to do business—and if the farmers will stand for it one more week we will then say "Let it rain" in all sincerity.

C. A. Rose says the physical malady that bothers him mostly is getting hungry. Mr. Rose is in the market with a large stock of holly and evergreen wreaths, along with the usual florists' stock.

Chas. P. Mueller has added to his display space by building a pergola style of booth in the center of the store. This is especially lighted and hung over with various wares adapted to that sort of display.

J. M. Kessler, a grower of Topeka, who, with his father, has been making

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or adding you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

MANUFACTURERS OF
The Gutter with a Reputation

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

a business trip through the West, was also a visitor.

F. Kuechenmeister is on the shelf for a few days with a sprained back.

Elwood Kline is helping W. H. Culp & Co. through the Christmas rush.

John Stuppy, of the Stuppy Floral Co. of St. Joseph, Mo., visited the Wichita florists one day last week.

W. H. Culp & Co. are showing some extra fine Begonia Gloire de Lorraine and cyclamen.

W. I. CHITA

Directory for 1910

*Price \$3.00
Postpaid.*



THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply, Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

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Directory for 1910



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Less Work—**Better, Earlier Crops**

Sunlight Double Glass Sash reduces to a minimum the labor connected with hot-bed and cold-frame gardening.

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All the hard work of handling and the expense of buying heavy boards and mats—all the time spent in covering and uncovering the beds are eliminated.

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(See diagram above.)

Between the two layers is a $\frac{3}{4}$ inch layer of dry still air—a transparent blanket that is better, than mats or boards because it never shuts out the light. The plants get all the light all the time. As a result, they will grow faster and become sturdier, will be ready for the market earlier and bring the big prices.

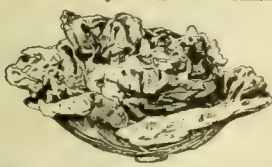
Glass is held in place without putty. Can't work loose, easily replaced

Agents Wanted
Write us for details.

Get these two books

One is our free catalog giving all the details of the Sash and of our freight prepaid and guaranteed delivery proposition. The other is a book on hot-beds and cold-frames by Prof. Massey, an authority on the subject. This book is of vital interest to every professional grower and florist. 4c. in stamps will bring Prof. Massey's book in addition to the catalog.

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combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

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We want to tell you simply the plain unvarnished truth about **King Greenhouses and Greenhouse Material.** Write for our Bulletins and they will tell the tale.

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Use our patent
Iron Bench
Fittings and
Roof Supports

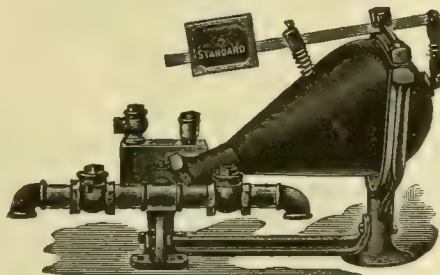
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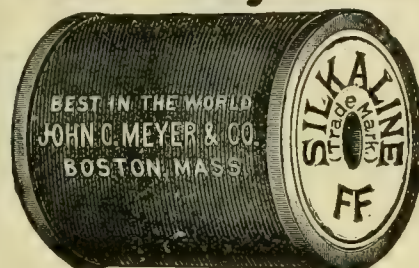
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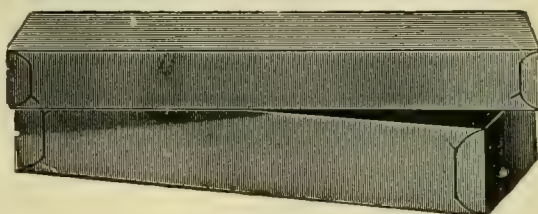


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weight and full measure.

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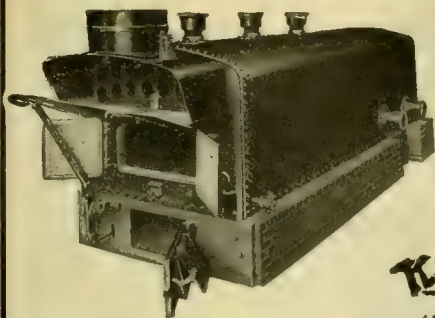
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The best of all manures for the
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All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**
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Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
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Kills Green Fly, Aphides, Bark Lice,
Thrips, Mealy Bug, Red Spider, Scale,
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See the Point **4**
PEERLESS

Glazing Points are the best.
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FULL SIZE
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Are positively the best. Last forever. Over
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FOR NAMES **Trade Directory.**
USE 1910

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Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

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Engines, Boilers, Valves and Fittings.

Building Materials and Supplies.

Send for our new 1000 page Catalog No. 47. Free upon request.

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35th and Iron Sts., CHICAGO.

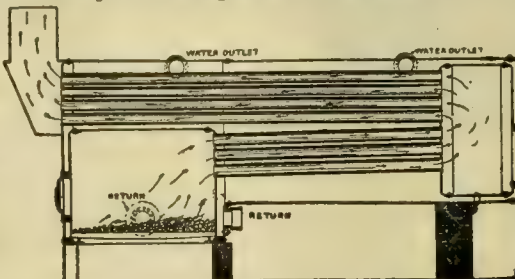
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

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This boiler has given better satisfaction than any other boiler on the market
MADE IN NINE (9) SIZES FOR HOT WATER.

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ANY LENGTH UP TO 32 FT. OR LONGER.

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Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Cleveland.

GOOD OUTLOOK.

With only a few more days until Christmas the wholesale houses have been quite busy sending out supplies. Ruscus, statice, holly and southern smilax are having a remarkably good call. Boxwood is about cleaned up and there will be no more received until after Christmas. Orders for Christmas are quite heavy and growers are preparing for a busy week, as stock is not going to be overplentiful this year. Cut flowers are not in large supply at this writing, as most growers are holding back a certain amount from day to day for Christmas orders and prices are about the same as last year. Although Christmas trees are supposed to be scarce quite a number are on the market and prices have not advanced to any great extent. Good nursery and Vermont trees are bringing about the same as last year. Ground pine wreathing is bringing fancy prices. If the weather this week is propitious, so that the retailer will be able to attend to the business that should come his way, this ought to be a banner year, as nearly all have bought heavily in supplies and cut flowers.

C. F. B.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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WHOLESALE GLASS AND PAINTS,

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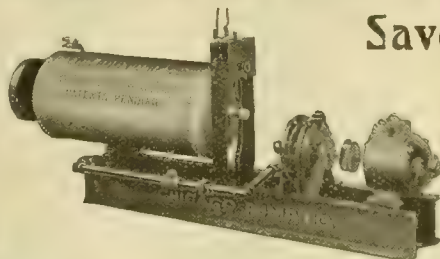
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Telephones: Lincoln 410 and 411

Chicago Pump Co.'s System of Intermittent Vacuum Heating Saves 20 to 50% Coal



Pulls water and air out of the Heating System. Pulls Hot Steam through the Piping and pumps the water into Boilers at the same time. Easily installed. Requires no attention.

Write for full Descriptive Catalog.

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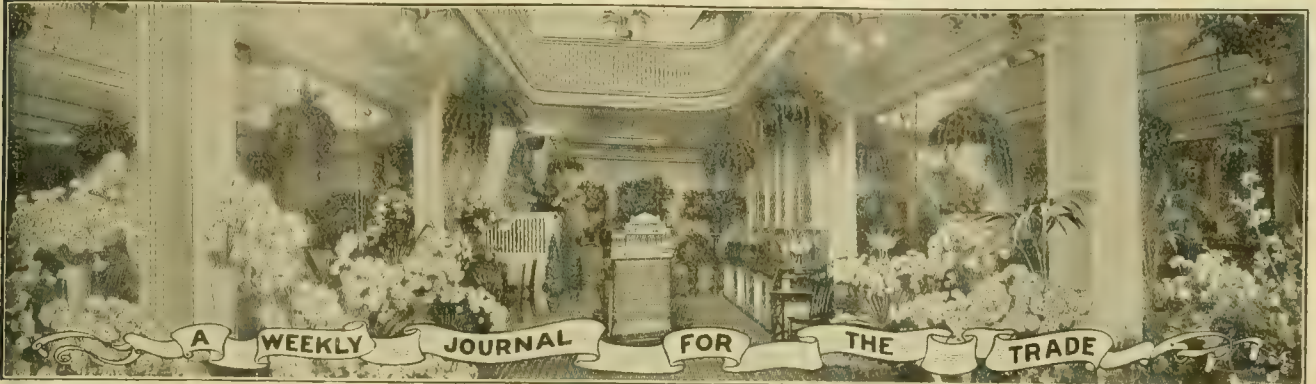
CHICAGO.



CORNUCOPIA BASKET OF STATICE AND RED RUSCUS.

A
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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXV.

CHICAGO AND NEW YORK, DECEMBER 31, 1910.

No. 1178

THE AMERICAN FLORIST

TWENTY SIXTH YEAR.

Copyright, 1910, by American Florist Company.
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at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

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324 Dearborn St., Chicago.

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Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.
OFFICERS-ELECT—GEO. ASMUS, Chicago, Pres.; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass., March 27-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKI, Pittsburgh, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston, March 1911. WM. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President; BENJAMIN HAMMOND, Fishkill, on-Hudson, N. Y., Secretary.

Our Supplements

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Pelargoniums.

Where a general stock is grown there is always a demand for pelargoniums, and it is now time to look the stock over and get it into shape, for with the turn of the year, this stock begins to take on new life and start its growth. The cuttings, that were propagated during August, will now have made a good growth, and if more stock is wanted, the tops may be cut off and propagated. The stock plants can be shaken out of the old soil and the roots shortened back and potted in a pot one or two sizes smaller than they have been in and placed in a light, sunny position. Make the soil fairly rich, at least one-quarter well rotted manure, and a goodly portion of sharp, clean sand, and in potting, be sure and pot firmly. The plants potted loosely will surely make long rank growths that are soft and ungainly, and the demand is for a short, stocky plant with thickly set foliage, and besides the blooming qualities of the plant will be greatly benefited by firm potting. The plants should be spaced out, as fast as they grow, to prevent undue crowding. Get all the cuttings of this stock that are wanted into the propagating bench at once, for it is not desirable to propagate these plants much after the first of the year, with the intention of obtaining salable stock, for they grow slowly.

Pansies.

Much of the pansy seed sown in late summer and fall failed to germinate and consequently many growers are short of stock. A plan which we have adopted, when this has occurred, is to sow seed in the greenhouse about the first of the year, and we have been able to procure very salable plants for the late spring, after those grown from the fall sown seed are all sold. The germination of the seed is generally much better in the houses, for the care is under full control and if fresh seed is obtained no trouble is experienced from this cause. An ounce of seed will produce about 3,000 plants and the best strains should be procured,

divided into the best selling colors. A good mixture is one-half ounce mixed colors, one-quarter ounce yellow, one-eighth ounce blue and one-eighth ounce white. As soon as the plants are large enough to handle they should be transplanted into other flats about one inch apart, and again transplanted in March to two inches apart, or if there is plenty of room they can be first spaced to the latter distance. The flats should be placed on shelves near the glass, where the plants will not get drawn in the early stage. They can be set out in the frames the first of April, or as early as possible and covered with sashes for a short period to allow them to get hardened off and shaded for a few days after planting to prevent them from wilting, and a very fine lot of plants will be obtained for the late sales. Make the soil very rich, especially for the last plantings, and extra large flowers will be borne by these small plants.

Easter Lilies.

As soon as room can be made for the pots of Easter lilies after the Christmas sales they should be brought into the warmer houses. Easter is quite late this year, the middle of April, and the plants will not need the heavy forcing which was required last year. Thirteen weeks are necessary if the plant has broken through the ground in a night temperature of 60 degrees and with 10 degrees higher during the day to bring them into bloom in that length of time, but if given a little cooler treatment, a little longer time, with a week in a cool house at the end, a much better plant and heavier flower is the result. Too rapid forcing makes a soft, weak growth with a papery flower, that does not last long after it blooms, and is very apt to be bruised in handling. If the bulbs are in their blooming pots they should receive a top dressing of good strong soil, and if in small pots, immediately potted into the blooming size, either 5½ or 6-inch pots. In doing this, the best method we have found, is to place

the ball of the small pot on the drainage at the bottom of the large pot and fill around with new soil. If the plant has not grown high enough to fill the pot, room can be left which can be filled in later. Our reason for potting this way is because the lily throws out strong feeding roots from the base of the stem, and if the plant is potted so these grow into the soil a much better flower is secured, as well as a handsomer plant than when these roots are bare and out in the air. Regular fumigations must be followed up all the time to keep the aphid in check. Sometimes the aphid gather in the tender top of the growth and fumigating will not dislodge them. A weak solution of tobacco extract sprayed into the center of the growing plant will generally dispose of them.

Rambler Roses.

The rambler roses will need all the time between the first of the year and Easter to bring them into perfection, especially if they are field grown plants. The plants should be started in a cool temperature from 40 to 45 degrees at night and the wood syringed frequently to soften and open the lower eyes on the long canes. All the weak growths and unripened wood should be cut out. As soon as the eyes begin to swell, the canes should be tied in the form the plant is to be grown, it is far better to do this before the eyes get started, for if delayed until the breaks have begun to grow, there are sure to be many rubbed or broken off, in the tying out. The tying out may be done in the shape that suits the growers' fancy, some place sticks in the pot and wind the canes around them, carrying some canes across the center of the pot; others bend the canes into arches over the top, but whatever way is followed, it is better to have the top of the cane bent down so as to restrict the flow of sap and cause the lower eyes to open and form growths. As soon as the plants have made good growths, they should be moved into warmer quarters where they may be sprinkled every bright morning to guard against red spider, and carefully ventilated to prevent mildew. There are so many good varieties of the rambler roses that the grower can have all the shades of pink and red, and some of the newer varieties make very attractive plants for the Easter sales. Crimson Ramblers and Dorothy Perkins are, of course, well known, but Tausendschon, Lady Gay and Hiawatha are all fine varieties for forcing and give a splendid assortment for the spring.

VICTORIA, TEX.—Miss B. E. Smith has established a floral parlor in this city.

NEW BEDFORD, MASS.—A disastrous fire on the morning of December 3 destroyed the greenhouse and stock of W. E. Mosher on North street. The property was a total loss, estimated at \$1,500. Only the framework of the greenhouses remains standing.

CLARKSBURG, W. VA.—The Hayman Greenhouse Co., whose range of greenhouses is at Bridgeport, has opened a flower store in the new Goff building, on Court street. The floral design department will be in charge of Miss Mary Clemens of Pennsylvania.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

For the Communion Table.

There is a very simple plan of forming crosses or any other suitable device for vases by having a flat wire frame made in shape like a battle dore, or rather a racket bat with meshes of wire. The stalks of any flower of a light color may be placed in the meshes of the frame in any required form and the remaining parts filled up with dark leaves or flowers, making the desired figure stand out in relief, as it were. A vase is filled with wet sand and the stalk of the frame inserted. When the form will admit it a semi-globular wire frame may be made to cover the front, and flowers arranged to present the appearance of being piled in banks. The style and amount of church decoration depends, in a great measure, upon the character of the interior of the edifice. In churches where it will not admit of the possibility of safely fixing any decoration, it is well to have a frame made of the proper length and in height extending from the ground to the sill of the window above. This should be covered with canvas and over this may be spread cloth or velvet to show the decorations to advantage—the lighter the color of red the better the green leaves will stand out.

A. E. K.

Casket Covers.

SEE SUPPLEMENT WITH THIS ISSUE.

One of the most elaborate, as well as the most expensive, designs or floral arrangements, which is required

fine stock can be used for this purpose, but the nice covers are, of course, made of the most select stock, and the choicest blooms the market affords are used in the best of this class of work. Roses, lily of valley, violets and orchids are more often required in the arranging of the casket covers than other flowers, and they are used each one exclusively or in combination. Handsome greens are a necessary adjunct and asparagus, either sprengeri or plumosus, and the adiantums are freely used to give the design the necessary finish. The finest of these arrangements are made on silk netting, and the greens and flowers wired or sewn into the cloth, so when completed the cover can be laid over the casket, making a floral blanket to completely cover it. The cover which we illustrate is beautifully executed, being composed of cattleyas, lily of the valley and adiantums. The lily of the valley is put together in spray or shower form so that it hangs gracefully at the sides and ends, enough of its own foliage being used to give it proper character, and is a most beautiful piece of floral work.

Christmas in New York.

Never before, at Christmas time, was there such an elegant and alluring array of flowering and ornamental plants presented to the gaze of an admiring public by retail dealers as has been seen this Christmas. Plant growers have about reached perfection in the science of making plants flower at a given time, the lure of the nimble dollar being, of course, the chief incentive in the perfection of the art. Azaleas.



INTERIOR OF WOLFSKILL BROS.' STORE, LOS ANGELES, CALIF.

of the florist at the present time, is the casket cover or blanket, as it is sometimes called, and it is an arrangement that is meeting with a great deal of favor, and being demanded more and more each year. It is a design that cannot be made up cheaply, for it requires the best of stock and entails an immense amount of labor and time, and must bring the designer or store a good remunerative value. Any

cyclamens, ardisias, solanums and oranges were never seen in better shape and the retailers certainly had very fine material wherewith to tempt their holiday trade. New York, like all other cities of any size, no doubt, has its several distinct phases of the retail business, ranging from the men who are located in basement shops in the congested districts, to those who operate large plate-glass fronted and lav-

ishly ornamented establishments, and who cater only to the ultra fashionable society. They all have their particular kind of trade to provide for and, at holiday times, as well as at any other time of the year, they make their displays as alluring as possible, according to the demands of their particular class of trade. Flowering plants are so good nowadays that novel features in the way of receptacles to hold them are not near so many, nor so elaborate as formerly, all of which is good. Baskets are seen in plenty, but these necessary accessories for pretty arrangements did not dominate; where they were used they were not more conspicuous than the plants they contained, just a simple handle basket or hamper, of a color suitable to the plants used. A rather spectacular effect was created at one uptown store by having a number of small sized standard Bay trees which had been gilded, leaves, stems, pots and the baskets which held them. Trees of gold they were, sure enough, and, no doubt, accomplished their purpose as they were certainly very attractive even if they did look a bit artificial. Everywhere almost, Lorraine begonias were a feature, these with a touch of ribbon were about the most popular. A very few rhododendums were seen and they were very well flowered; a chiffon ribbon traced among and just under the trusses gave them a very rich effect. A limited number only of Bougainvillea were in, primulas were not seen in such large numbers but of ardisias, poinsettias and the berried aucuba there must have been a very big supply.

J. H. Small and Sons, at their Broadway store, had one of the nicest displays on record. The window had in the foreground, poinsettias in pans, the pans covered with natural sheet moss, and, there is no better combination perhaps than the red and green thus arranged; behind the poinsettias were camellias in full bloom. The other window was white and pink; lily of the valley in boxes bordering specimen plants of Begonia Gloire de Lorraine deftly touched here and there with knots of very pale pink ribbon, the effect can easily be imagined. Banks of choice flowering plants lined the interior and the staircase leading from the store to the conservatory, the whole creating a very gorgeous effect.

Alex. McConnell, 571 Fifth avenue, had innumerable combination arrangements of plant baskets. The round or tall high handle basket was the favorite, and the plants used were of the finest. In addition to flowering plants, many store ornamentals were used, which helped materially in the warmer color effects, crotons, dracæna and marantas being all used plentifully in some of the combinations.

At the House of Flowers, Forty-sixth street and Fifth avenue, each window had a separate color scheme, and both were very attractive. One was yellow, with orange and yellow ribbon; the other was red, with ardisias, and red ribbon.

A. Warendorff, Broadway, near Twenty-eighth street, made a very elaborate display, using cut cattleyas as a center for his window, they being surrounded with baskets and hampers of mixed plants together with a rather free use of the new shades of ribbon. Among the plants used were bougainvilleas, camellias, cyclamens, solanums, azaleas and poinsettias.

Young & Nugent, 42 West Twenty-eighth street, made a window feature of gilded boxes filled with azaleas and gilt boxes holding ardisias, all with a slight touch of appropriate ribbon.

John Nicholas, Forty-second street, had a very attractive display, some excellent white Lorraine begonias being among the plants. Porto Rican matting for pot covers and a liberal use of

azaleas, etc. A novelty here were small standard grown myrtles in fancy square boxes, these proved very popular. A few plants of flowering almonds were also seen here. The window scheme was of white and yellow, oranges and Pandanus Vietchii being used principally to carry out the idea.

Myer, Fifty-eight street and Madison avenue, showed an elaborate assort-



PANAMA PACIFIC EXPOSITION FLOWER DESIGN.

Exhibited by Pelicano, Rossi & Co. at the San Francisco Flower Show.

ribbon in new green and lavender shades together with a splendid collection of flowering and decorative plants made his store one of the prettiest seen in the city.

Poinsettias and ardisias in gilt baskets were the window attractions at Chas. Dard's, Forty-fourth street and Madison avenue. In plant combinations were some pretty things also, a basket filled with dark crotons, Dracæna terminalis, Euonymus variegata and Dracæna Sanderii was very fetching with its extremes in color effects. Cyclamens were encased in birch bark pot covers and ribbon was used quite freely in the oranges, azaleas, ardisias, ericas and the rest of the stock, the whole being a very fine display.

A. T. Bunyard, Forty-eighth street and Madison avenue, had an excellent array of choice plants, both flowering and decorative. A fine white rhododendron was on view in one of the windows along with camellias, ardisias,

ment of the best to be had in flowering plants and had many very pretty arrangements in birch bark baskets. Some effective combinations were made in high handle gilt baskets also. As a souvenir to his regular customers Myer sent a china fern bowl with inner bowl complete, with his name and address burnt into the pottery; the many grateful acknowledgements received from the recipients of the fern bowl are, to Myer, a very pleasant feature.

The Cable Florist, J. G. Panos, and The Harlem Florist, all located in One Hundred and Twenty-fifth street, each made nice displays of plants. Perhaps more ribbon and matting for pot covers were seen here than in any other part of the city.

David Clarke's Sons, Seventy-fourth street and Broadway, had an unique window, a birch bark mantel over an old fashioned fireplace being the centerpiece. Surrounding the fireplace were ericas and ardisias and in the fore-

ground were dwarf auracarias in china bowls, red baby ribbon trailing among the tiers of the plants and a wide red ribbon around the bowl. In their plant arrangements were many very heavy and massive baskets, large plants of oranges, crotons, Pandanus Vietchii and aspidistias being employed. A very pretty basket was one in which were ericas at each end (it was oblong in shape), the center space filled with ferns, crotons, Dracena terminalis, and English ivy wound over the handle. Birch bark boxes were used quite freely also to hold plant combinations in smaller sizes.

The Bowery has its Christmas festival, too, just as much so as does the more aristocratic quarters of the city. At Number 202, A. Le Moutt made a brilliant display. He has been located in this district for a generation and knows the needs of his patrons like a book. Elaborate and expensive plant arrangements in fancy baskets are not so much in vogue in this part of the city but single specimens of plants, neatly trimmed with ribbon and the pot surrounded with a cover of matting or wicker-work were displayed in numbers while the windows, banked with evergreens and decorative plants, upon and among which a plentiful use of red ribbon, bells and stars of red immortelles had been used, were a perfect blaze of red and green and were indeed attractive.

Foley, 226 Bowery, has also been a good many years here and commands a generous share of the Bowery trade. Flowering plants of all the seasonable kinds were displayed in profusion. Ribbon was not used as lavishly but many decorative plants were intermingled with them giving a very charming appearance both to the store windows and to the interior.

It will be seen that cut flowers play an important part in Christmas displays but there was everywhere a plentiful supply of holly and mistletoe; also a goodly array of Christmas trees at those stores located away from the fashionable districts. Cut flowers, however, came in for their share of attention at the last moment and while every year there seems to be more plants used than ever before, the same can truthfully be said about cut flowers; there are as many used now at Christmas time as ever there were, the plants may act as a balance in keeping cut-flowers from soaring to such high prices but supplant cut-flowers they never will.

Christmas in Chicago.

A splendid Christmas business is the verdict throughout the retail trade, and some of the proprietors assert that it was the best Christmas that they have ever had. The plant trade was a great factor in all the stores, and while many seemed to have gone into plants very heavily, Monday saw almost all sold and in the store where temporary stages had been erected nothing on the bare shelves was to be seen by Monday noon. The prices of the cut flowers did not soar quite as high as they have in some years, and there was plenty of stock in all lines, which was a great assistance to the retailer, for it enabled him to fill orders of first quality stock at prices that did not scare the customer away. American Beauty roses were very plentiful in the market, in fact on Friday some of the growers weakened considerably on the

prices and the retailers in many cases took advantage of the drop and bought quite heavily, but Saturday saw the prices back to the old figures. Nevertheless, there was quite a falling off in the prices that have been obtained in other years for this queen of roses, but American Beauties are always popular at this holiday season and at the prices offered this year there were large numbers sold at all the stores. Richmond, of course, was a prime favorite, and Killarney also sold well, but there was very little call for the white roses and the consequence was that many of the wholesale stores had plenty of white roses left on their hands on Monday. Orchids had a very good call and sold up very clean, and there was considerable demand for gardenias. Carnations were just as popular as ever and, in fact, the only real scarcity noted on the market was for red carnations. White were, as usual, over abundant. Violets were, contrary to all expectations, very plentiful; the word had been passed around that they would as usual be scarce, but heavy shipments arrived on Saturday and Sunday and Monday there were plenty to be had. The plant trade was, however, the big factor, and handsome specimens and baskets were shown at all the stores and found many buyers.

The best Christmas was the word at Fleischmann's, and it certainly looked as if it might be so. A large stage had been erected for the display of the Christmas plants and it was filled to overflowing with handsome crotons

A splendid Christmas trade at Muir's especially with plants, and this firm was well supplied with a fine assortment of decorative and blooming plants, which were beautifully shown both as specimens and in baskets. A good cut flower trade was also enjoyed.

Better than any other Christmas was the report of W. J. Smyth, and on Monday the store was nearly depleted of the beautiful stock which was displayed but a few days before. An accident which might have been quite disastrous but which fortunately only resulted in the loss of a plate glass window, happened during the holiday rush. Two automobiles, both going at a good clip, and at right angles to each other, collided in front of the store and one was thrown against the window. It happened to be the window wherein the forest scene was depicted and there were no expensive plants to get injured.

A fine Christmas business at the E. Wienhoeber Floral Co. was enjoyed all through the week. The trade started in early and the beautiful plants and the combination baskets were picked out and sold almost as fast as they were put together and shown. The call for nice flowers was very good and a splendid Christmas trade was enjoyed.

Everything cleaned up at John Mangel's store on Wabash avenue, and he had an immense line of some of the finest plants in the city. Large azaleas that were fine specimens were all sold and a large number of pans of poin-



MONSON'S NEW ROSE.

Unnamed Sport of Farbekonigen.—See Page 1148.

azaleas, poinsettias and other Christmas stock and on Monday noon not a plant was left, the bare shelves being mute witness of the amount of business done. There was also a good call for all kinds of high grade flowers.

Every plant sold was the greeting from the proprietor at Strail & Hahn's, and a good cut flower business. All the business that we could attend to and lots of good stock with which to fill the orders.

settias handsomely decorated were all disposed of. A very heavy business in Christmas greens was done, large sales of holly and mistletoe being made. The flower trade was also fine, American Beauty and Richmond roses taking the lead.

The downtown stores all did a rushing business. Rowe, Lange and Bohannon were all as busy as bees during the rush and a look through the stores on Monday found everything pretty well sold out.

ORCHID NOTES.

ONCIDIUM TIGRINUM is one of the sweetest scented orchids in cultivation, the flowers having a distinct violet odor. It grows freely in a cool house and is useful for cutting.

THOUGH a good deal like *Cattleya Trianae* in general appearance the flowers of *C. Chocoensis* are not nearly as useful as those of the former species owing to their habit of opening only partially.

Cypripediums in Variety.

The accompanying illustration shows that there is considerable variety in the shape of the cypripediums, making them very satisfactory for decoration. The graceful flowers of the selenipedium section are seen as well as the larger blooms of the barbatum and similar species that usually produce but one flower on a spike. There is room for both in every collection, for both have their admirers and taken all around they are among the longest lasting orchids in existence when cut.

Repotting Orchids.

From the present time on there is no better for taking such plants as need attention at the roots and fixing them up for the year ensuing. The roots of cattleyas are now dormant, that is to say, very little growth will be made at the tips, and injury is reduced to a minimum by attention at this time. Roots made outside the pots or baskets if put inside at the time of re-potting rarely make more growth, indeed they usually die, but are a source of strength while they last and may be carefully handled to save them. Before disturbing a pot plant, see that it is moist, even wet, for if dry the roots will stick to the pots and in removing them great injury results. It is well to water or dip them a day before and this is specially true of cypripedes that have been in the same pots for a long time and become root-bound. It does not pay to break the pots to get plants out, for more roots are broken in this way, and we must remember that a plant without good roots will not make satisfactory growth to flower next year.

Cattleya labiata will have done flowering and may be attended to first, for it often happens that great injury results to this fine orchid through inattention at just this time. We think they need rest and proceed to neglect at a time when recuperation is their requirement, especially after the great effort put forth so late in the year with dull cold weather following. It is probable that we have here the reason why so many of this variety perish after a few years in cultivation. Most of the others have the year before them after blooming, with increase of sun, air and moisture, the three great factors in the culture of plants under glass, including orchids. If a plant is doing well there is no reason for disturbing it except to give more room at the roots, and if these are good, pot it on. Newly established plants often need re-potting at the end of the first year. If the material is good do not disturb it; it is good for two or three years, but on the contrary, should the roots be in poor shape do not hesitate a day before giving attention. Cut

off all dead portions, even if this means all there is, put in as small a pot as possible, suspend from the roof and spray every bright day, and this sort of a hospital will soon become a pleasure to look at, even to show others. There is something about the air or probably atmosphere above the benches in a house that is better than it is elsewhere in the same structure, and the re-incarnation of orchids under such conditions is at times a revelation.

from the cult. If we had to import this material as European and British growers do, a large item of expense would be added, and we can take comfort, lay back and laugh at the time not so very long since when the experts said we must import either English peat or Belgian leaf mould to have success.

After the *C. Labiata*s are done we may begin with the *C. Trianae* if these are past blooming; if not, wait until



CYPRIPEDIUMS IN VARIETY.

To get the best results with cattleyas, firm potting is an essential, indeed most essential, for if otherwise done, too much moisture is held in suspension about the roots at times and this proves fatal if over-watering occurs. There is no better material than the osmunda root. This has been decided finally for all orchid growers, and removes a big bone of contention

they are and take the later flowering *C. Mossiae* and *C. Mendelli*, for these may be seen to safely before they bloom, as new roots will then be made in the new material and the plants well established before the strain of flowering is put on them. It is unwise to disturb the late flowering kinds after they have flowered and begun to root freely.

E. O. ORPET.

WITH THE GROWERS

Geny Bros., Nashville, Tenn.

Geny Bros., one of the leading florists of this city, have built up a fine business and are continually progressing in the extent of their plant and in the quality of their flowers, they having grown up in the floral business and are both practical growers.

In the year 1865 their father, John B. Geny, came to Nashville with his brother, Leon Geny. These Geny brothers were practical florists and horticulturists. They established each a place or truck garden and in time bought places of their own. Leon Geny purchased a place on the Hillsboro pike where he run a truck farm until his death. The other brother, father of the present Geny Bros., secured two acres on the corner of Clay and Jackson streets, which is still used by the present Geny Bros. for a part of their growing. The elder Geny was a very industrious man and an experienced grower of vegetables. He put upon the market lettuce, radishes, cucumbers, celery, all of which at that time was a rare luxury and brought fabulous prices, and his business was successful and profitable. John B. Geny, grew the finest celery ever brought to this market, not surpassed by that grown any where in the United States. At the time the first Geny Bros. came to Nashville, the floral business was in its infancy, but each of them were good flower growers and along with the vegetables, grew geraniums of all kinds, the Chinese primroses, callas, Neapolitan violets and such other flowers of that day. There was also a demand for all kinds of bedding plants and John B. Geny had always in the market an attractive display of flowers. For years he had a stall in the Market house, and had even then a large and growing trade. As soon as chrysanthemums became popular, he grew some of the best in the market. He died in 1887, leaving his two sons, Oscar and Leon, who had in the meantime grown up with a practical knowledge of the business, to carry it on.

After the death of the father the two sons turned their attention more and more to floriculture. For a while the stall in the Market house was retained and sales made from there, but they soon realized the necessity for an up-town store, and then the store in the Tulane Hotel was taken. When the up-town store was taken Leon Geny, the younger of the two brothers, took charge of it, and Oscar Geny, the elder, continued to manage the growing department, and with such success that his flowers are unsurpassed anywhere. Their trade is of the best and continually growing. The old place bought and owned by the father became too small for their purposes and was so encroached upon by the city, and by manufacturing plants that they purchased fourteen acres on the Morrow road, on which they have erected a fine range of houses, to which they are adding continually. The new place was bought in 1906, and already is quite extensive. The better conditions for raising flowers enables them to produce finer and healthier roses and carnations as well as other flowers. The old place, being so convenient to the store serves many useful purposes.

It is not favorable to the growth of white flowers, but all the azaleas, bulbous stuff, palms, asparagus and smilax are still grown there, and several houses of chrysanthemums, but no more roses nor carnations. Also all the wagons, of which there are six, with ten horses and mules, are kept there, at the old place.

There are twelve greenhouses at the old place and ten fine large ones at the new and Oscar Geny superintends the growing at both places. At the new place Rudolph Rodenhauser is the resident foreman, and lives on the place. He is the son of Peter Rodenhauser, who once was the well known maker of pots in this city. Beside the new houses at this place there are a large lot of cold frames for the growing of violets, and lean-to's for asters for summer use. Last summer some very fine asters were grown. The green-



Oscar Geny.

Of Geny Bros., Nashville, Tenn.

larney, White Killarney, Ivory, American Beauty and Richmond, with a smaller amount of other varieties. Last season the cut from the Ivory houses was 10,000 in November alone. There are 4,000 rose plants, all thrifty and of healthy, vigorous growth and promise well for the season and are even now bearing abundantly. Three houses are in carnations with 20,000 plants, including White Perfection, Enchantress, White Enchantress, Mrs. Lawson, Beacon, Winsor and others. Two houses are in chrysanthemums and contain Lynwood Hall, Golden Wedding, Golden Eagle, Golden Glow, Mdle. Jeanie Nonin, Minnie Bailey, Yanoma and other varieties. Mr. Geny had the first chrysanthemums in the market this season, which came in time for our State Fair, and so early, during such very hot weather, that some of the flowers were scorched and it was with extreme difficulty that the blossoms were kept from spoiling entirely. A fine propagating house 8x200 feet has just been added. Fifteen thousand violet plants are in the long cold frames and will give a good supply of violets through the season. They are chiefly California and Princess of Wales. The outside garden is full of bulbs of all kinds, the Emperor and Empress narcissi, peonies, Ascension lilies and other early out-of-door stuff. There is also a rose garden in which are the hardy roses, Clothilde Soupert, Mamam Cochet, Souvenir de Malmaison, W. R. Smith, Etoile de Lyon and many others. Each season these are potted up and supply the two-year-old rose trade. They will soon be lifted and put in cold frames until the season opens in the spring. There is always a great demand for two-year-old roses by all flower lovers.

The place is provided with the Skinner sprinkling system, installed in all the houses as well as out-of-doors for the field-grown flowers. The water supply is pumped from Richland Creek, a never-failing stream, is abundant as to supply, and excellent as to quality, and furnishes all the water necessary. There are large tanks as



VIEW OF GENY BROS.' OLD RANGE OF GREENHOUSES, NASHVILLE, TENN.

houses are all provided with vestibule additions which are very great protection to the houses in extreme weather, and something new in greenhouse structure in this locality. Everything is strictly up-to-date and first class and all future additions made will be of the same high order. There are ten large houses, each 50x200 feet, giving a uniformity that adds to the general appearance of the place. Three of these houses are in roses, chiefly Kil-

reservoirs, and even in the driest summer there is no scarcity of water. There are also vats for rain water and for liquid manure. The heating plant consists of three big boilers of over 100 horse power each and there is a residence for the foreman.

In 1897 the store in the Tulane Hotel was taken, and a large patronage has been enjoyed by the firm. The remodeling of the hotel made a removal necessary, and the Geny Bros.



VIEW OF GENY BROS.' NEW RANGE OF GREENHOUSES, NASHVILLE, TENN.

are now located at 212 Fifth avenue North. They have been warmly congratulated upon their selection of a store. It is in one of the most popular shopping districts, and is just opposite one of the most fashionable ice cream and lunch parlors of the city. The new store is well equipped for all business, including a large McCray refrigerator. It is very commodious and they will, without doubt, do a large and profitable business. Miss Jamie Childress and Miss Mary Brown, two young ladies experienced in floral work, stay in the store and assist in making the floral designs, in which Leon Geny himself is an expert, and they make very artistic designs of every kind. Clarence Thomas, also, is a clerk and assists generally in the store.

M. C. D.

Business Reflections.

Has it ever occurred to you that there is more in the florist business than the mere growing of flowers?

Has it ever occurred to you that there are numerous details attached to the growing of flowers and plants, all of which cost you money?

Has it ever occurred to you to stop a minute and figure the cost of a certain flower or plant from the time it entered your establishment, either as a cutting or a seed, to the time it is marketed?

If it is a carnation, rose or chrysanthemum cutting, a product of your own place it is worth the market price of that cutting, mayhap more, as the market price in this business is not a fair estimate of value, in many instances it being below the cost of production. Presuming however the market price to be a fair value we start as follows.

To value a plant or seed add value of space occupied per month until it has been matured and marketed. Value of space can be closely estimated by getting the number of square feet of growing surface you have under glass and charging up to this surface all the expenses of your establishment that contributes to the greenhouses, in most establishments this is the entire bill of expense, as the only items that could be cut out would be in cases where a nursery or landscape gardening business is done along with the greenhouse business.

Presuming a case where the latter does not figure as part of the business we have to estimate, cost of plant including all houses, barns, land and greenhouses, all tools, implements and



Leon Geny.

Of Geny Bros., Nashville, Tenn.

stock and charge up at least four per cent. on this investment to greenhouse space (this same money properly invested would bring this much income without work and must be charged up), and in making this estimate do not forget that greenhouses torn down were part of the money invested and should be added to the cost of the establishment. To this add taxes, salaries, insurance, advertising, postage, stationery, coal, manures, all supplies for greenhouses, packing rooms, boilers, stables, and outdoor culture, add all traveling expenses to and from societies, shows and florist establishments, do not forget any details, and then to this add 10 per cent. on the original cost of establishment for wear and tear, then divide the whole by the number of square feet of growing surface you have, and the answer will be somewhere near the cost of that surface to you per annum, add to this the loss by unavoidable idle space for the season, and you have your working basis to estimate cost of plant production from.

Take a carnation as an example, first the value of the cutting unrooted then four weeks in the cutting bed with three-fourths of an inch space (square) then six weeks in a two inch pot with four or five inches of space (square) then six weeks in a three-inch pot

with ten square inches of space, then to the field for eight to twelve weeks according to locality, here the cost has been previously estimated in figuring up expenses against greenhouse space. Then back to the houses where from eighty to one hundred twenty inches must be given up to it. Keep an accurate record of flowers, cut prices obtained and credit up all cuttings taken from the plant, add the two together, deduct from cost of space taken up, and you can soon see if you are making any money or not, and properly followed up this will be a revelation to you when you come to select varieties for another year's culture.

Follow the same rule up with your pot plants, take a geranium as an example, starting with September 1, charge up space for one stock plant 120 to 144 square inches, from this plant you get from twenty to twenty-five cuttings between September 1 and May 1, and you have the price of your cuttings unrooted, if stock plant is any value to you May 1 that value can be deducted from cost, charge to each cutting from two to three inches of space in the cutting bed four weeks and you have the price of the cutting rooted, add for first potting five square inches four weeks, add seven square inches to this for each re-potting until sold and you have their approximate cost ready for market. Other plants can be estimated on the same basis, rather a crude way I acknowledge, but one that can be easily carried out in any establishment and if used with good judgment is fairly accurate and will give many a grower pointers that he badly needs.

To the man who has plenty of capital, a large plant, and who can adopt the best methods of growing and cost reduction, this system is of no value, as he can intelligently and accurately follow up the cost of each of his specialties to the fraction of the cent. When this is done keep it carefully to yourself, it is a part of your business assets to have the smaller grower who does not have your facilities for estimating costs, sell his stock below cost in competition with yours and working night and day to do it. You may think he will eventually kill himself on the job, but he wont this is a healthy business excepting from a financial point of view, and it is up to the man who knows how to make it healthy financially. Then again, if you keep costs carefully to yourself and sell at any old price you can get, there is no danger of the middleman

or the retailer realizing your down trodden condition and coming out to the greenhouses with a wad to ameliorate it and thus humiliate you.

But stop a minute and think are we not pretty low down on the scale now, it is true we assist our Maker in his production and our business is high and exalted, but do we assist ourselves?

The farmers are well organized for business. The fruit men are well organized for business, every line of trade is well organized for business excepting the florist (grower), the retailer is getting there, we have good organizations for social, laudatory and cultural purposes but for business, alas and alack we are away back, even our trade papers ignore it and it is high time we wake up and get our just deserts in this world of good and great things financially, we are entitled to them giving as we do our lives and our time to beautify and make it charming.

A. M. HERR.

THE ROSE.

A New Rose.

The new rose we illustrate which is unnamed as yet, was grown by John Monson, proprietor of the Minneapolis Floral Co., Minneapolis, Minn. The photograph was taken at the Minneapolis and St. Paul flower show, November 9-14 inclusive, the exhibit having been staged on Wednesday and photographed Saturday. "Mr. Monson has been experimenting with the growth of this rose for the past six years, and every year is more satisfied with its culture and the results obtained. The rose itself is a sport from a rose imported from Germany "Farbekonigen," but, it is a freer bloomer, lighter in color, and not quite as full a rose as the parent. In bud, the outer petals are red, as the rose unfolds the inner side of petals develop a warm, brilliant, dark pink, shading to lighter pink on the extreme outer edge of the petal. The rose is full, foliage plentiful, and dark green in color, fine strong stem, very fragrant and a very good keeper, in fact, some of the trials as to its keeping qualities might sound exaggerated.

It has been a money maker for Mr. Monson the past two years bringing, on the wholesale market for 14 inch stem, 15c, 20 inch stem at 20c, and 24 inch at 25c each. For this reason, Mr. Monson is loth to part with the stock for a couple of years yet to come. Holm & Olson, St. Paul, and O. C. Swanson, Minneapolis, have been handling the stock for the past two years, and pronounce themselves delighted with its selling qualities.

The holiday crop, now being cut, is very heavy, it having been disbudded at the same time as Richmond and Killarney, is now producing great large flowers, and stems which average 14 inches to 36 inches.

Mr. Monson, now has a stock of about 3000 plants, but will have a much larger stock in 1912 when he intends to put the rose on the market.

The rose can be seen growing any time at the greenhouses of the proprietor, or at the retail stores above mentioned in the Twin Cities, as the

local florists are willing to give all the credit due to their local prodigy."

MINNEAPOLIS FLORAL CO.

Roses in the South.

The plants will probably have made a good crop at the holidays and water should be given rather sparingly for a few days until they have again made good breaks. A good fertilizer at this time is a top dressing of sheep manure followed in ten days with a light springling of wood ashes. The soil in the South is generally fairly rich in potash, supplied probably from the cotton seed hulls, but a sprinkling of wood ashes at this time will be a great help to the plants. A quick way to get results from bone meal is to put a sack of it in a barrel and add enough water to merely cover it. In about two weeks it will be well on the way to decomposition when the whole can be emptied into the manure pit and applied with the manure water.

flowers again. Keep a good strong heat on the American Beauty houses, say 60° to 62° at night to prevent bull heads and let the flowers be well developed before cutting. Keep the beds clean of all fallen leaves and the plants tied up as they require it. With the short days and harder firing red spider is likely to make its appearance, so keep syringing on every bright day and don't neglect any corners.

It is time to have the propagating table ready. Such varieties as Kaiserin, My Maryland and Killarney will root more readily now than a month later—in fact a start should have been made early in December to get the best results.

WM. LEAR.

Azalea Deutsche Perle.

While this cannot be described as a first-rate variety it is the best double which we have or are likely to have for very early forcing and it is a question whether at times growers are not, in part at any rate, to blame for the



H. W. TILFORD'S FIRST PRIZE VASE OF 26 CHRYSANTHEMUMS

At the New York Horticultural Society Show.

In the middle and northern sections Kaiserin will require less water. A partial rest for four or five weeks is what they want after which they may be again started into active growth. In the extreme southern section this variety needs no rest but produces just as well as any other variety during the whole season. Perle is now showing decided bull heads on the strong bottom canes. If the leading bud is pinched out for the next six weeks the lateral growth will make good flowers with fair length stems. After the middle of February these strong canes will come with normal

poor figure it cuts at Christmas. Deutsche Perle answers very quickly to forcing conditions and it would be far better to allow it a couple of weeks in a cool, partially shaded house before placing it in heat. We have frequently advised this for forcing azaleas and are convinced that no time is wasted but, on the contrary, better results are secured than by rushing them into heat at once. It is true the plants sometimes arrive in such poor shape that no treatment can make good stock of them but the cool treatment at first will at least maintain the foliage that is on the plants in good condition and prevent the

sunny house and forced, a temperature of 70° at night being kept up and the house closed tight with the sun shining full on the glass, the plants being first heavily sprayed overhead. They never looked black, hardly lost a leaf and certainly not a flower bud and are now, December 12, being held in a cool, shaded house hardening off for Christmas sales. The pure white of the flowers sells the plants on sight and we could have sold the stock over and over again. This cool treatment in the early stages is advisable for all and the difference in some late arrivals of Simon Mardner which had to be forced at once and early plants which had this attention is so marked as to be an object lesson in favor of the cool treatment. H. R. R.

HOLIDAY TRADE.

Christmas trade all over the country shows a good substantial gain over the preceding year, the reports received ranging from ten to sixty-five per cent increase. While the reports from the eastern section tell of inclement weather, the country generally enjoyed bright sunshiny days. While it was cold enough to require that everything should be well wrapped, yet not so cold that much of the stock was at all damaged. The roses were in splendid supply everywhere, and in most places the quality was of the highest, in fact, many testimonials are being received that they were of the best quality ever grown or received at this time of the year. Carnations were in many places short of the supply but the large supply of roses was fully able to fill the deficiency. Violets were much more plentiful than was expected and in most places there were enough to fill all the orders received at much lower figures than in many preceding years. The demand for bulbous stock was not large anywhere and in some parts the supply was far in excess of the demand. This, however, is not surprising for most of this class of stock, in bloom at this season, is white and the demand for Christmas is for colored flowers—even white roses and white carnations are not greatly demanded when the supply of colored blooms is sufficient. One very pleasing feature this year is the almost entire absence of complaint of receiving stock that had been kept too long. The plant trade was excellent everywhere and a very large factor in the season's business, as it should be, for with the beautifully grown plants that are presented to the trade, there is no better stock to push and sell that is more satisfactory to both dealer and customer. The sale of Christmas greens was fully up to the usual amount and the general quality was better than in years gone by.

LITTLE ROCK, ARK.—There was an increase of at least 25 per cent in the Christmas business of Tipton & Hurst. The flowers were of the best quality ever handled at the holiday season, the supply of roses, carnations and violets was equal to the demand and an advance of about 10 per cent in the prices obtained. The call for bulbous flowers was about the same as last year. An increased demand for flowering plants was noticeable. In our twenty years' buying from the Chicago market, we never received such fine roses and carnations, or any which were so satisfactory to both ourselves and our customers.

DES MOINES, IA.—The Christmas trade will show an immense increase this year, the two days, December 24-25, showing an advance of 65 per cent, reports the James S. Wilson Floral Co. The supply of roses, carnations and violets was plentiful and everything sold out clean, prices ruling about the same as last year, excepting red carnations, which sold at from \$2 to \$2.50 a dozen. There was no great demand for bulbous flowers. The quality of all the stock was much better than last year, and there was an increase in the call for red roses, red carnations and poinsettias. The demand for plants was away ahead of last Christmas, the first choice being poinsettias; second, Begonia Gloire de Lorraine; third, Jerusalem cherries; fourth, azaleas; fifth, primroses, and sixth, ferns. There was a large demand for boxes of assorted cut flowers for dinner tables, which was a great help in using up all the surplus stock.



The Late Anthony Wiegand.

See Page 1101, Issue of December 24.

SAGINAW, MICH.—We think that the sales for this year will show an increase of 15 per cent over last, states The Wm. Roethke Floral Co. The prices obtained on pot plants are somewhat better than last year, while the prices of cut flowers was about the same. The supply of all kinds of stock was sufficient and there was no demand whatever for bulbous flowers. The long continued cloudy weather had its effect upon the stock and the quality generally speaking, was not as good as in former years. Flowering plants certainly took the lead. It seems as if palms had had their day. The only thing in decorative plants that sold were Boston ferns. The buyers are willing to pay a good price for good stock, but inferior stock cannot be given away; for floral buyers here demand the best. The trade was good but it would have been much larger had Saginaw not recently suffered from a smallpox epidemic.

BRAMPTON, ONT.—T. W. Duggan, manager of the Estate of H. Dale, reports an advance in the amount of business of about five per cent. There was a good supply of roses and violets but carnations were short of the call. The demand for bulbous flowers was good and stock of all kinds was of the usual quality, equal to other years. It is impossible to handle such an enormous trade within such a limited time at Christmas to the satisfaction of all.

KOKOMO, IND.—W. W. Coles reports the Christmas trade has increased about 20 per cent for several years and the present season has been no exception. The prices on roses and carnations were slightly better than last year, while with other stock they were about the same. There was a plentiful supply of roses, but carnations and violets were very short, and there were more Roman hyacinths and Paper White narcissus than could be sold. The quality of all the stock was good, about the same as in other years. There was a special call for violets and red carnations, and the demand for plants was equal to last Christmas. There was an increased demand for American Beauty roses, the sales being more than 50 per cent greater than last year.

UTICA, N. Y.—A record-breaking Christmas trade, reports J. C. Bigelow & Son, with an increase in sales over the previous year of 20 per cent, and the best they ever had. The supply of all kinds of stock was good, there being no great shortage of anything. The quality was good, and the prices for cut flowers were higher than last year. In bulbous flowers nothing was handled but Paper White narcissus. There was an increased demand for poinsettias and ferns and prices of plants ruled about the same as last year. The holly this year was very poor and the wreaths thinner and poorer than ever. Excellent weather during the holiday trade was experienced.

ATLANTIC, IA.—About the same as last year is the report of the holiday trade of the Atlantic Greenhouses. The prices realized this year were a little better than last. There were plenty of roses, but the supply of carnations and violets was short, though the quality was good and of roses and carnations better than last year. There was an increased demand for colored flowers and everything in blooming plants was sold. The baskets of plants sold well and more were disposed of than ever before, and at good prices. The holly this year was extra fine and was all sold. The Christmas trees also all found purchasers.

KANSAS CITY, MO.—The business at Christmas with the Alpha Floral Company this year was much greater than last, the percentage not being yet obtainable. The supply of all stock was good, with the exception of red roses, and of excellent quality. The prices of roses were about the same as last season, but carnations were lower. There was not much demand for bulbous stock. An increased demand for red roses, red and pink carnations and orchids was noted.

PARKERSBURG, W. VA.—J. W. Dudley & Son report an increase of 10 per cent in the sales at this Christmas over last year. The supply of roses, carnations and violets was equal to the demand and there was a fair supply of bulbous flowers. Better prices prevailed although the quality was not so good as last year. There was an increased demand for both plants and flowers, nice roses having a preference. Fine holly that was well berried found quick sale.

FLINT, MICH.—The holiday trade in this city was the best that the florists have ever had. The city has grown rapidly and the demand increases in proportion to the population. There was a good demand for pot plants and there was a supply of fine stock, the majority of which was home grown. Prices were about the same as last year. There was a shortage of carnations and some call for bulbous flowers.

ORONO, ME.—J. A. Maloney is erecting a large greenhouse, as his business has outgrown the size of his present plant.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1910

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO

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I have finished another year, said God,
In grey, green, white and brown.
I've strewn the leaf upon the sod,
Sealed up the worm within the clod,
And let the last sun down.

RENEW subscriptions promptly so that no copies of the papers may be missed.

1911—Welcome, and may you with every one of your odd numbers carry good luck and happiness to all our friends everywhere.

THE public is acquiring the habit of fighting shy of holiday cut flowers and the deplorable phase of this condition is that the honest grower suffers with the unscrupulous.

THE Grand Trunk Railway in its "Terse Travel Talk" says the cultivation of flowers near any city in Canada will pay and that there is room for a florist near every city in the west.

American Carnation Society.

CARNATION REGISTERED.

By The Cottage Gardens Co., Inc., Queens, L. I.—Howard Gould: Mrs. C. W. Ward. Pink seedling, color, clear dark pink; size of flower, three and one-half inches; wiry stem 30 to 36 inches in length. Flower deeply imbricated and of fine form.

A. F. J. BAUR, Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the every-day florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high grade work.

American Rose Society.

The following special prizes are offered by this society, to be awarded at the National Flower Show, to be held at Boston March 25-April 1.

The Society of American Florists' silver medal will be awarded to the best grown rose plant or group of plants, should the exhibit be judged as of sufficient merit.

The Dorrance Challenge prize for the largest and best display of cut roses, a valuable silver medal properly engraved offered by Benjamin Dorrance of Dorranceton, Pa.

The Lord & Burnham prize for the best vase of cut blooms having the highest score, offered by the Lord & Burnham Co., Irvington, N. Y. This award to be in addition to any other premiums the exhibit may have secured.

The Hitchings prize for the best fifty blooms of any variety of American origin now in commerce, a silver cup valued at \$25, offered by Hitchings & Co., Elizabeth, N. J.

Special growers' prizes, value \$10, \$7 and \$5. These prizes are offered for the actual grower of any exhibit, and not for the exhibitor, except in the case where the exhibitor does his own growing. These prizes are to be awarded the three exhibits of roses, which, in the opinion of the judges, are the best specimens of the grower's work in rose culture. The object is to recognize the man who actually does the work. The prizes are offered by Benjamin Hammond, Fishkill on Hudson, N. Y.

BENJAMIN HAMMOND, Sec'y.

Federal Insecticide Regulations.

ISSUED BY DEPARTMENT OF AGRICULTURE.

The Insecticide Act of 1910 will become effective on the first of January. Joint regulations for its enforcement have just been issued by the secretaries of the Treasury, of Agriculture and of Commerce and Labor. The act forbids the manufacture or sale in Federal territory of adulterated or misbranded insecticides and fungicides, especially mentioning Paris green and lead arsenate. It also forbids interstate shipment of such articles, and this is its most important feature.

Under the regulations, samples of insecticides and fungicides are to be collected by purchase by agents of the United States Department of Agriculture, and analyzed or examined by such chemist or examiner as the Secretary of Agriculture may designate. If a sample then appears to be adulterated or misbranded, a private hearing before the secretary or his representative will be given to the party from whom the sample was obtained and to others interested, who may ap-

pear personally or by attorney and may submit oral or written evidence. If it still appears that the act has been violated, the proper United States attorney will be informed of the facts. Provision is made for state officials to cooperate in reporting violations to the Secretary of Agriculture. The latter will ordinarily make his requests for prosecutions to the attorney general, but in special cases directly to the proper United States attorney. After judgment has been rendered by a court the judgment will be published by the Secretary of Agriculture within thirty days.

Paris green is considered adulterated if it does not contain at least 50 per cent of arsenious oxide; on the other hand it must not contain arsenic in water-soluble forms equivalent to more than 3½ per cent of arsenious oxide; and no substance may be mixed with it so as to lower its strength. Lead arsenate is counted adulterated if it contains more than 50 per cent of water, or if its total arsenic is equivalent to less than 12½ per cent of arsenic oxide, or if it contains arsenic in water-soluble forms equivalent to more than .75 of a per cent of arsenic oxide, or if any substance is mixed with it so as to lower its strength. If lead arsenate contains more than 50 per cent of water it must be labeled "lead arsenate and water," and the extra percentage of water must be plainly stated. Any other insecticide or fungicide is considered adulterated if its strength or purity fall below the standard under which it is sold, or if any substance has been wholly or partially substituted for it, or if any valuable ingredient has been even partially removed, or if it is intended to be used on vegetation and is injurious to vegetation. If the designation of an article imports the presence in it of a certain substance, that substance must be present in the customary amount.

Any insecticide or fungicide is misbranded if the label bears any statement, design or device that is false or misleading in any particular, either as to the character of the article or as to the place of manufacture. And the term "label" is defined so as to include any circulars, etc., that are packed with the article or referred to either on the label or on the circulars accompanying the article. If the contents are stated in terms of weight or measure, they must be correctly stated. If an insecticide or fungicide (other than Paris green or lead arsenate) contains arsenic in any form, the total amount of arsenic and the amount of water-soluble arsenic must each be stated on the label. The amount of inert substances (often called "filler") must also be stated.

If the name of the manufacturer is given on the label, it must be the actual manufacturer; if the name given is not that of the actual manufacturer, the phrase "packed for . . ." "distributed by . . ." or some equivalent phrase, must be used with the name.

The dealer may relieve himself of responsibility by securing from the wholesaler or from the manufacturer a guaranty that the article is not "adulterated or misbranded within the meaning of the Insecticide Act of 1910." This places the responsibility upon the guarantor. The wholesaler or manufacturer may file with the Secretary of Agriculture a general guaranty covering every package of a particular kind of article. The guaranty will receive a serial number; this number is to appear on every package of goods sold under that guaranty, together with the words "Guaranteed by (name of guarantor) under the Insecticide Act of 1910." If a general guaranty is not filed, an individual guaranty may be attached to each bill of lading.

The law and the regulations apply also to imported goods, imported lead arsenate or Paris green being treated as being intended for use as an insecticide unless the contrary is shown. The Treasury Department and the Department of Agriculture will cooperate in taking samples of imported goods. If upon examination and after a hearing it appears that a consignment may not lawfully be imported the Secretary of Agriculture will report the findings to the Secretary of the Treasury, and the goods will be refused admission.

Regulation 12 provides that "all matter required by the act to be stated on the label of an article must be plainly and correctly stated on the face of the principal label in type sufficiently clear and in position sufficiently prominent to attract the immediate attention of the purchaser." This regulation, however, will not be strictly enforced until July 1, 1911. In the meantime such required statements may be made by means of a "sticker or paster or supplemental label."

Meetings Next Week.

Albany, N. Y., January 1, 8 p. m.—Albany Florists' Club, 71-73 State street.
Buffalo, N. Y., January 3, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
Chicago, January 5, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

Dayton, O., January 2, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., January 2, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., January 2.—Grand Rapids Florists' and Gardeners' Club, office of member.

Indianapolis, Ind., January 3, 3:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., January 7, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., January 7.—Lenox Horticultural Society.

Louisville, Ky., January 3, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., January 5, 8 p. m.—Milwaukee Florists' Club, Quiet House, Mason and Broadway.

Montreal, Que., January 2, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians' building, 211 Sherbrook street, west.

New Orleans, La., January 4, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., January 4.—Newport Horticultural Society.

Pasadena, Calif., January 6, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., January 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., January 3, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, January 3.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., January 7.—Pacific Coast Horticultural Society.

Seattle, Wash., January 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., January 3, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y., January 5, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida square.

Washington, D. C., January 3, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.
For Plant Ads., See Ready Reference Section.
Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young married man; first-class florist; best of references; wants position.
Address P. O. Box 241 Colfax, Ill.

Help Wanted—At once, good carnation grower; single man preferred.
N. C. MOORE & Co., Morton Grove, Ill.

Help Wanted—Traveler, private gardener preferred, to call on gardeners to private estates and parks in the interest of a well-known New York seed house; beginning soon.
Key 358, care American Florist.

Help wanted—Working foreman on our Nursery; also experienced Budders and Grafters to work by the year; only steady and sober men wanted; state experience with references and what wages you would expect. Address
W. T. HOOD & Co., Richmond, Va.

For Sale Cheap—R turn tubular boiler, 42 inches by 12 feet, 30 H. P., with all fixtures and and stack complete. Insured at 80 lbs. pressure.
W. H. BARRETT, Adrian, Mich.

Help Wanted.

Good general man for commercial establishment in the south. Will pay \$60 per month. State age and full particulars.

Key 359, care American Florist.

GROWER WANTED

We want a section man for two new houses, one that can turn out the goods. Address

Key 355, care American Florist.

Wanted At Once

Competent man or woman for retail store in south, good permanent position. Good salary to right party. Address

Key 356, care American Florist.

Commercial or Private Place.

Young man thoroughly qualified in all lines of commercial floriculture and private gardening, is open to engagement. Single; excellent references. Address

Key 348, care American Florist.

For Florida

We want a competent florist, man or woman, for sales department, fruits and flowers at Palm Beach, February and March. Give references. Address

FOSTER & FOSTER, 1 Madison Ave., New York.

Head Gardener

Thoroughly practical florist, gardener with 22 years' experience in every line of horticulture, single, sober, best of references; please state particulars and salary in first letter. Address.

Key 353, care American Florist.

Advertiser

has good opening for a man competent to take charge of several greenhouses, stock, decorative plants, and attend to decorations and general retail work. Good opening for hustling man. Address Key 354, care American Florist.

Head Gardener

33 years old; single, with 20 years' experience on private estates and commercial places from Germany, Switzerland, Sweden, France, England and United States with first class references from each place, is now open for engagement on private estate until April 1, 1911.

Address Key 352, care American Florist.

Representative Wanted.

One of the best Dutch bulb growers, with large growers, special in the best qualities of Hyacinths, Early and Darwin Tulips, wishes to secure a first-class agent in the United States of America and also in Canada on an entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 357, care American Florist.

Manager or Superintendent of Commercial Greenhouse

A thoroughly competent grower of all classes of commercial greenhouse plants and cut flowers desires a position as manager or superintendent of modern commercial plant. Advertiser can show the highest credentials. State salary. Address.

Key 351, care American Florist.

Trade Directory For 1910

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists-Seedsman and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid



Vaughan's New Crop Flower Seeds

FOR PRESENT SOWING.

10 per cent Special CASH DISCOUNT.
On orders over \$2.00 for Flower Seeds if the cash is enclosed. 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade pkt.	oz.
Ageratum, Imperial dwarf blue.....	.10	.25
Imperial dwarf white.....	.10	.25
Rose Perfection, dwarf new.....	.10	.30
Princess Victoria Louise, beautiful blue and white.....	.10	.40
Little Blue star, new, best dwarf.....	.50	
Alyssum, Sweet.....lb., \$1.25	.05	.15
Vaughan's Little Gem, extra fine strain.....	.10	.50
Asparagus Plumosus nanus, Northern Greenhouse Grown, 1,000 seeds, \$1.00; 100 seeds, 60c.		
Asparagus Sprangeri, 1,000 seeds, 75c; 100 seeds, 15c.		
Balsam, Alba Perfecta. This is the largest and best double white Balsam.....	1/4-oz., 20c	.10
Begonia, Single, tuberous-rooted giant mixed.....	.50	.60
Double tuberous-rooted, giant flowered, mixed.....	.35	
Vernon.....	1/4-oz., 30c.	2.00
Luminosa Gracilis, new, better than Vernon.....	.25	
Berna. The foliage is very dark, flowers are large, bright, carmine red.....	.25	
Erford. A splendid bedder. Blooms all summer.....	.25	
Bells or Double Daisy, Vaughan's mammoth mixture.....	.25	
Vaughan's Mammoth White.....	1-16 oz., 35c	.25
Pride Pink.....	1-16 oz., 50c	.25
Longfellow dark pink.....	1/4-oz., 30c	2.50
Monstrosa, double white, double pink, new, each 25c.		
Browallia, Speciosa Major.....	.25	.20
Candytuft, Giant Hyacinth, flowered.....	.05	
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds.....lb., \$2.00	.10	.20
Celosia, Coxcomb, President Thiers.....	.15	1.00
Pride of Castle Gould.....	.50	
Centaurea, Candidissima (Dusty Miller).....	.25	.75
Gymnocarpa.....	.05	.30
Cineraria Martima Diamond.....	.10	.60
Cobaea Scandens, blue.....	.10	.40
Clematis Paniculata, White, sweet scented.....lb., \$6.00	.15	.60
Large-Flowering Jackmanni Hybrids.....	.25	2.00
Coleus, Mammoth rainbow.....	.25	
Large-leaved, mixed.....	.25	
Cyperus Alternifolius, Umbrella plant.....	.15	1.00
Dracaena Indivisa.....	.10	.30
Indivisa Linata.....	.10	.40
Indivisa Latifolia.....	.10	.50
Australis.....	.10	.60
Daisy, Burbank's Shasta, new Double Fringed.....	.50	
Echeveria, (Hen and chicken), mixed.....	.100 seeds, 20c	
1,000 seeds.....	\$1.00	
Metallica.....	100 seeds, 30c; 1,000 seeds, \$2.50	
Secunda glauca.....	100 seeds, 15c; 1,000 seeds, \$1.00	
Feverfew, Matricaria Capensis plenissima.....	.10	.25
Forget-me-not, Vaughan's early and late flowering.....	1/2-oz., 25c	.10
Fuchsia, double and single varieties.....	200 seeds, 60c	
Geranium, Apple-scented, 1,000 seeds, \$1.00; 200 seeds, 25c		
Gravillea Robusta silk oak.....	.10	.50
Linaria Cymbalaria (Kenilworth Ivy).....	1/4-oz., 40c	1.20
Lantana Hybrids, mixed.....	.05	.15
Lemon Verbena.....	1/4-oz., 45c	.25

	Trade pkt.	oz.
Lobelia Crystal Palace Compacta.....	.10	\$1.00
Speciosa for hanging baskets.....	1/4-oz., 15c	.50
Empress William, dwarf.....	1/4-oz., 25c	1.00
Bedding Queen, best dwarf.....	1/4-oz., 25c	1.50
Hamburgia.....	.25	
Maurandya, mixed.....	.10	1.00
Mignonette, True Machet.....	1/4 oz., 25c; 2 ozs., 75c	.10
New York Market, Packet, about 1 000 seeds, 50c; 1/4-oz., \$1.00; oz., \$7.00.		
Mimulus (Musk Plant).....	1/4-oz., 30c	1.00
Pansies, Vaughan's International Mixture, 1/2-oz., \$5.00; 1/4-oz., \$1.50.....	.50	10.00
Vaughan's "Giant Pansy Mixture," 1/4-lb., \$14.00; 1/4-oz., 60c.....	.25	4.00
Petunia, Giants of California, mixed.....	.25	
"Vaughan's Best" mixture of large flowering Petunias, Trade pkt. (1,000 seeds), 50c.		
Vaughan's large flowering Double Petunias, Trade pkt. (1,000 seeds), \$1.20.		
Pyrethrum aureum, Golden Feather.....	.10	.25
Pyrethrum crispum.....	.15	
Salvia Splendens, Clara Bedman (Bonfire).....	.25	2.50
"Drooping Spikes".....	.25	1.80
Fireball, new.....	1/4-oz., \$1.00	7.00
Zurich, new, very dwarf and early.....	1/4-oz., \$1.00	35
Frimula Obconica Grandiflora, mixed.....	500 seeds, 50c	
Large flowering, pink.....	500 seeds, 50c	
Large flowering, pure white.....	500 seeds, 50c	
Gigantea Rosea.....	500 seeds, 50c	
Gigantea Kermesina.....	500 seeds, 50c	
Stocks, large flowering, extra choice, mixed.....	.25	1.50
Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue, Each.....	.25	1.50
"Cut and Come Again." One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers.		
White Perfection or Princess Alice, Blood-Red, Brilliant Lilac Pink, Each.....	1/4-oz., 40c	.25
Mixed, the above colors and others.....	1/4-oz., 35c	.20
Prince Bismarck, White.....	1/4-oz., 50c	.25
Smilax, new crop.....	1/4-lb., \$3.00	.25
Thunbergia, mixed.....	.10	.40
Torenia, Fournieri Grandiflora.....	1/4-oz., 30c	.10
White Wings, white.....	1/4-oz., 30c	.10
Bailloni.....	1-16 oz., 50c	.25
Verbena, Vaughan's Best Mixture.....	1/4-oz., 25c	\$2.00
Mammoth, mixed.....	.10	.80
Mammoth, White.....	.15	.50
Mammoth, Purple.....	.25	2.00
Firely, scarlet, white eye.....	.15	1.20
Defiance, brightest scarlet.....	.10	.60
Dark blue with a white eye.....	.10	.70
Vinca Rosea, Rosea d. albo and pure white, each.....	.10	.50
New preliminary flower seed list ready. Please write for same if you have not received one.		

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK. 84 and 86 Randolph St. CHICAGO. 206-208 W. Randolph St.

A Mexican Guano Enterprise.

Guano to the estimated value of \$150,000,000 gold, reckoning upon its market worth being only \$30 the ton, deposited through the centuries upon 17 islands off the Campeche coast of Mexico, will soon be exploited on a wholesale scale by a syndicate of Californians organized as the International Commercial Company and capitalized at \$150,000 (United States currency).

The company, which is a close corporation, is in possession of ten years' concession, granted by the Mexican Government, which will receive a royalty of 75 cents per ton on all the product marketed. The only restrictive clause of consequence in the grant provides that the concessionaires shall not lease the islands to a foreign state or country. In the beginning the fertilizer will be exported to Europe, notably to Hamburg.

According to engineers' reports filed with the promoters of this venture, there are at fewest 5,000,000 tons of guano within the areas thus far explored, with large tracts remaining to be exploited. The largest known deposits are upon the island of Triangulus, where the accumulations from generations of bird life have in many

places grown to a depth of 20 feet or more and where there remain millions of sea fowl adding annually to the store. Almost equal quantities of guano have been found on the islands of Arcas and Arenas, also included in the federal grant.

In the last twenty-five years the French company operating on Chichina Island, off the coast of Peru, has realized more than \$900,000,000 from guano shipped from those deposits, reputed to be the best in the world, because of the fact that there is no rainfall there. The Chichina fertilizer demands \$100 a ton.

The moving spirit in the organization of the California company is Dr. Julius Ziegner, a nephew of the President of the Argentine Republic and former consular representative of Argentina in Mexico. He is now at Los Angeles, where incorporation of the company has just been perfected and plans formulated for vigorous operations. William A. Ford is president and Frank G. Baker is secretary-treasurer of the corporation. — Daily Herald, Mexico City.

AUBURNDALE, MASS.—F. W. Fletcher has completed his new cement building which will be used for a salesroom and branch greenhouse.

CARNATIONS

Rooted Cuttings

We supply them of even size and well rooted. Orders booked now for January delivery and later.

	Per 100	1000
White Wonder, Our new white.....	\$12.00	\$100.00
Gloriosa Our new pink.....	12.00	100.00
Pink Delight.....	6.00	50.00
Scarlet Glow.....	6.00	50.00
Shasta.....	6.00	50.00
Sandango.....	6.00	50.00
Dorothy Gordon.....	6.00	50.00
J. W. Riley.....	6.00	50.00
Admiration.....	6.00	50.00
White Perfection.....	3.00	25.00
Winona.....	3.00	25.00
Enchantress.....	3.00	25.00
White Enchantress.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Beacon.....	3.00	25.00

F. DORNER & SONS CO.,

LaFayette, Ind.

RENEW subscriptions promptly so that no copies of the papers may be missed.

We Are Now on With a
LARGE CROP
Of Roses and Carnations

And will be pleased to fill your orders at all times with stock fresh from the plants. You will find it to your advantage to place a trial order with us for our aim is to so satisfy our customers that they will never think of buying elsewhere.



Send Us Your Orders in 1911

For the best **Killarney, White Killarney, Richmond, Bride, Bridesmaid and American Beauty Roses.**
Also **Carnations** of which we have a large supply.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone
Randolph 2758.

CHICAGO.

Great Reduction in Prices

We had the best Beauties at the Flower Show in 1909 and 1910, and offer the same quality of stock for 1911. Place your order with us and we will take good care of you.

NEW YEAR'S PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$8.00
36 inches.....	4.00 to 5.00
24 to 30 inches.....	3.00
15 to 18 inches.....	2.00
8 to 10 inches.....	1.00

Rhea Reid

Extra long.....	per doz., \$2.00
Good lengths.....	per doz., 1.50
Medium lengths.....	per doz., 1.00

Maids, Maryland, Richmond, Killarney, Brides, White Killarney, Kaiserin,

Extra select.....	per 100, \$10.00 to \$12.00
Good lengths.....	per 100, 8.00
Medium lengths.....	per 100, 6.00
Good short lengths.....	per 100, 4.00

CARNATIONS

Fancy pink and white.....	per 100, \$4.00 to \$ 6.00
Fancy red, O. P. Bassett.....	per 100, 8.00
HARRISII LILIES	per doz. 2.00
".....	per 100, 16.00
Lily of the Valley	per 100, \$3.00 to 4.00
Asparagus	per string, .50
Asparagus Sprays	per 100, \$2.00 to 4.00
Sprengerl	per 100, 2.00 to 3.00
Ferns	per 1000, 1.50 to 2.00
Smilax	per doz., 1.50 to 2.00
Adiantum	per 100, 1.00
Galax, Green	per 1000, 1.00
" Bronze	per 1000, 1.25
Select Pink and White Sweet Peas	per 100, 1.00

ROSES, Our selection, \$3.00 per 100.

—Buy Direct of the Grower and Get Fresh Stock.—

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

SATISFACTORY BUSINESS.

Christmas has come and gone, the year is practically closed and the first half of the florist's yearly work completed. A very satisfactory Christmas business is the general comment at the wholesale stores and a fine business, and the best ever, is the hurried word with the retailers. There has as yet been no figuring up to ascertain whether or not the business has exceeded other years, but certain it is that a much larger quantity of stock was handled and even if the prices were not as high as in some preceding years, the general opinion is that the volume of business is much larger with probably full as much profit. Thursday and Friday were beautiful winter days and the retail stores were busy with their early patrons. At the wholesale stores, everything was in a rush and everybody as busy as they could be. It was like looking into a beehive to glance into any of these establishments. There seemed to be quantities of all kinds of stock, American Beauty roses being especially plentiful and on Friday the prices on some grades of stock weakened considerably. Saturday the prices stiffened up again and almost reached the earlier figures. But there was plenty of stock and the orders in almost all cases were completely filled. American Beauties were in grand crop and it is doubtful if as many handsome blooms were ever sent to the market at this season. The prices consequently took a decided drop from other years when the cut has not been so heavy. Of Richmond roses there was a good supply and large shipments of this highly colored rose were made. Killarney was in grand shape and in splendid quantity and sold well. There was very little call for white roses and there were many still left on hand Christmas Day. Carnations while not

so plentiful as roses, yet contrary to the predictions of the growers, proved to be adequate to meet the demands with the exception of the red varieties, and there were plenty of white, in fact too many. There was some little complaint of pickled stock but it certainly was a very small proportion for most of the roses and carnations seen were of elegant quality. There was plenty of good lily of the valley to meet all orders and of good quality. Orchids were not over-plentiful but enough to fill orders and the demand was good as was also the call for gardenias. Sweet peas sold well, especially the pink, and the stock was good. Of bulbous stock there was, as usual, an over-supply and while Roman hyacinths had a good sale there were more Paper White narcissus than there was call for. The violet market was a complete surprise, they having been rather short for some little time, but large shipments came in on Saturday and belated ones on Sunday and Monday morning and there were considerable left Christmas noon which, had they arrived earlier, would have found sale. The retailers all did a rushing business, many having to keep the stores open and the boys and delivery cars and wagons going all day after having put in all the night getting things ready.

The wholesale plantmen, the Geo. Wittbold Co., Vaughan's Seed Store and Frank Oechslein, disposed of everything salable quite early, flowering stock as usual having the call. Poinsettias and colored azaleas went well, also Glory of Cincinnati and other begonias of that type. Many more good flowering plants could have been sold here and the best stock brought very satisfactory prices. The weather was not sufficiently cold to damage well wrapped shipments and so far there have been very few complaints on this score. Plant baskets sold well.

NOTES.

Poehlmann Bros. Co.'s store was a veritable bee-hive during the Christmas trade. The regular store force was augmented by additional help from the greenhouses and twenty-five men on the jump sorting and packing the excellent stock grown by this firm. August and John Poehlmann were both ably directing the force and the manner of handling the immense amount of flowers was a sight worth seeing. A very satisfactory business is reported with a supply ample to fill all orders, the only shortage being on large orchids of which more could have been sold.

The Christmas trade at Bassett & Washburn's was the best ever had by this firm. The roses have never been in such heavy crop at this season and the grade was of the highest quality, and having such a large supply of roses the shortage of carnations was easily obviated. The firm remembered all the help with a munificent Christmas gift which was gratefully appreciated and the regular express help all came in for a present that granted the enjoyment of a number of good smokes.

Phil Schupp and his force at the J. A. Budlong store, assisted by A. J. Budlong, had their hands full during the week shipping out the heavy cut from the greenhouses. The Killarney roses were of excellent grade and there was an immense cut which found a good sale and the lily of the valley grown by this firm was quickly disposed of during the week.

Mrs. Henry Phillips is visiting her uncle, N. J. Wietor, at his residence at Kenmore. Mrs. Phillips is a daughter of John Muno, the well known grower on Touhy avenue, and is now a resident of Morgan, Minn.

During the holiday trade George Reinberg filled a large number of orders for Killarney roses, mostly of a short and medium grade.

PETER REINBERG

LARGEST GROWER IN THE WORLD.

**Will Take Care of Your Orders in 1911
For Fancy Carnations
and Roses of Quality**

PRICE LIST:

AMERICAN BEAUTIES

	Per Doz.
Extra long.....	\$8 00
36-inch stem.....	6 00
30-inch stem.....	5 00
24-inch stem.....	4 00
20-inch stem.....	3 00
18-inch stem.....	2 50
15-inch stem.....	2 00
12-inch stem.....	1 50
Short stem.....	1 00

	Per 100
Richmond.....	
Killarney.....	Special..... \$15 00
White Killarney.....	Select..... \$10 00 to 12 00
Field.....	Medium..... 6 00 to 8 00
My Maryland.....	Short..... 5 00
Uncle John.....	
Bride.....	Select..... 10 00 to 12 00
Ivory.....	Medium..... 6 00 to 8 00
Sunrise.....	Short..... 4 00 to 5 00
Gate.....	
Perle.....	6 00 to 10 00

ROSES, OUR SELECTION, AN EXTRA GOOD GRADE, \$5.00 per 100.

CARNATIONS

	Per 100
White and pink.....	\$ 4 00
Fancy white and pink.....	6 00
Red.....	8 00
Harrisii.....	15 00
Valley.....	\$4 00 to 5 00

	Per 100
Violets.....	\$1 50 to \$2 00
Stevia.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Asparagus.....	per bunch, \$0 50 to \$0 75
Ferns.....	per 1000, 2 00

Subject to change without notice.



A Partial View of Our Large Range of 2,000 000 Square Feet of Glass Devoted Exclusively to the Growing of Cut Flowers

WIETOR BROS.

51 Wabash Avenue, CHICAGO.

Wholesale Growers of Cut Flowers

... Price List ...

AMERICAN BEAUTY—		Per doz.		Per 100
Extra long stems		\$ 8 00	Mrs. Jardine, extra fancy	\$20 00
36-inch stems.....		6 00	Fancy.....	15 00
30-inch stems.....		5 00	Good.....	\$ 8 00 to 12 00
24-inch stems.....		4 00	Richmond, extra fancy	20 00
20-inch stems.....		3 00	Fancy.....	15 00
18-inch stems.....		2 50	Good.....	8 00 to 12 00
15-inch stems.....		2 00	Uncle John, fancy	15 00
12-inch stems.....		1 50	Good.....	8 00 to 12 00
8-inch stems.....		1 00	Perle	10 00 to 15 00
			Roses, Our Selection	6 00
			Carnations, fancy red	8 00
Bride, fancy		Per 100 \$15 00	Extra fancy Enchantress.....	7 00
Good.....	\$ 8 00 to	12 00	Extra fancy white.....	5 00
Bridesmaid, fancy		15 00	Good.....	4 00
Good.....	8 00 to	12 00	Valley	4 00 to 5 00
Killarney, extra fancy	20 00 to	25 00	Adiantum	1 00
Fancy.....		15 00	Sprenger	per bunch, \$0.50 to \$0.75
Good.....	8 00 to	12 00	Ferns	per 1000, 2.00
White Killarney, fancy		20 00	Galax	1.00 to 1.50
Good.....	8 00 to	15 00		

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

The Chicago Carnation Co. is filling a large number of orders for rooted carnation cuttings and 100,000 will be ready for delivery January 1. Manager Pyfer received two large orders, one from a firm in England and another from a concern in Germany that will be delivered soon. The advance orders for Washington have been very satisfactory and some extra large ones have been booked.

A. S. Ringler, of the Ringler Rose Co., called on his friend N. J. Wietor one day last week and needless to say the meeting was a pleasant one. The gentlemen are old chums and when mere boys used to spear bull frogs and gather watercress together in the old pond on Devon avenue, back in the early eighties.

Peter Reinberg is cutting a large quantity of splendid stock of all kinds. American Beauty roses are fine and Richmond, Killarney and Pink Killarney are of extra good quality. Last week was an exceedingly busy one and Tim Matchen and his assistants had their hands full taking care of the large Christmas trade.

The J. E. Deamud Co. is receiving a fancy grade of roses and carnations in all the leading varieties. Their red carnations are particularly fine, especially the new seedling which is grown by Anton Then. This firm enjoyed a brisk holiday trade and as usual had plenty of stock to fill all orders.

George Perdikas, 286 Wabash avenue had a very pretty window display last week, consisting of cut flowers, blooming plants and greens. He did a very profitable business in potted plants, azaleas, begonias and poinsettias, all selling well and also disposed of many Christmas trees.

The congratulatory letters which are being received by many of the stores praising the high quality of

stock which was received by the customers are very gratifying and speak well for the excellent grade of the different flowers which were shipped from this city last week.

Weiland and Risch are cutting a fancy grade of Killarney and White Killarney roses. H. W. Rogers recovered sufficiently from his recent illness to be at the store last week and assist in looking after the brisk holiday trade, at a time he was greatly needed.

Hoerber Bros. were pleased with the business done last week and had plenty of stock to fill all their orders. A large crop of roses is on at their greenhouses at Des Plaines, and the Killarney and White Killarney roses received at the store are of good quality.

G. Diller, of the Imperial Floral Co., of Milwaukee, Wis., was another out-of-town florist that was seen in the local market last week. Mr. Diller has a store in the Plankinton block and has built a brisk transient trade.

Vaughan & Sperry did an exceptionally fine trade Christmas week the shipping trade being excellent. Some magnificent long stemmed American Beauty roses were a feature at the store during the week.

Zech & Mann were busy as bees last week filling the many orders that they received. We noticed a large quantity of all the different flowers of the season and a splendid assortment of greens.

Wm. Lynch and Clifford Pruner of E. H. Hunt's cut flower and supply departments report a very good Christmas trade. The demand for supplies was far ahead of any previous year.

Chas. W. McKellar disposed of a large quantity of orchids for Christmas, Cattleyas sold well and cypripediums and vandas had a good call.

Aphine
The Insecticide that
kills plant Lice
of every species

Washington, D. C., Dec 20, 1910.
"I beg to state that **Aphine** with me is doing all you claim for it. I find it invaluable in getting rid of scale and thrip on orchids."

(Signed) GEORGE FIELD.

\$2.50 per gallon; \$1.00 per quart.

Fungine

An Infallible Fungicide for Mildew and other Fungus Diseases. Particularly adapted for greenhouse purposes.

A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon; 75c per quart.

MANUFACTURED BY

Aphine Manufacturing Co.
MADISON, N. J.

Mention the American Florist when writing

Wm. Sgoros, of the Madison Floral Co., Madison and Clark streets, is enjoying a busy season.

Gustav Fredrickson, of St. Joseph, Mich., spent December 23 in the city purchasing stock for the holiday trade.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

Special Fancy Valley and Cattleya Orchids for New Year's.

BIG SUPPLY OF

Beauties, Carnations and Roses

Current Prices, in effect January 2nd, 1911.

Subject to Change Without Notice.

AMERICAN BEAUTIES		Per doz.
Specials		\$5.00
36-inch		4.00
30-inch		3.00
24-inch		2.00
18 to 20-inch		1.50
12 to 15-inch, per 100		\$8.00 to \$10.00
Short stem		1.00 to 1.50
CARDINAL, Long		\$3.00
Medium		\$1.50 to \$2.00
Short, per 100		6.00 to 8.00
RICHMOND, extra		Per 100
Select		\$8.00 to 10.00
Medium		6.00
Good short		4.00
KILLARNEY, extra		\$12.00
Long		\$8.00 to 10.00
Medium		6.00
Good short		4.00
MY MARYLAND, extra		\$12.00
Long		\$8.00 to 10.00
Medium		6.00
Good short		4.00
WHITE KILLARNEY, extra		\$12.00
Long		\$8.00 to 10.00
Medium		6.00
Good short		4.00
PERLE, long		\$6.00 to \$8.00
Medium		4.00

GOOD SHORT STEM ROSES		Per 100
Our selection		\$3.00 to 4.00
Our Extra special grade Roses charged accordingly.		
CARNATIONS, fancy		Per 100
" first		\$5.00 to 6.00
" splits		3.00 to 4.00
ORCHIDS, Cattleyas, per doz.		2.00
HARRISII and CALLAS, per doz.		\$6.00 to 12.00
		\$2.00
NARCISSUS PAPER WHITE		Per 100
ROMANS		\$3.00 to 4.00
VALLEY		4.00
VIOLETS, double		\$3.00 to 4.00
" Single, Princess of Wales.		1.00 to 1.50
MIGNONETTE, large spikes		1.00 to 1.50
STEVIA		6.00 to 8.00
SWEET PEAS		1.50 to 2.00
CHRYSANTHEMUM MERRY XMAS, per doz.		1.00 to 1.50
ADIANTUM CROWEANUM		\$2.00
SMILAX		.75 to 1.00
SPRENGERI, PLUMOSUS SPRAYS		per doz., \$2.00
PULMOSUS STRINGS		each, 60c
FERNS		per 1000, \$2.00
GALAX		" 1.25
LEUCOTHOE		.75
BOXWOOD, per bunch 35; per case of 50 lbs.		3.00 to 4.00
WILD SMILAX, 50 lb. case		\$7.50
		\$5.00

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the year.
 Once tried you will have no other.

Flowers for Florists

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

Plenty of all other
seasonable stock.

and Fancy Carnations in good
supply.

CURRENT PRICE LIST

American Beauty	Per doz.
Long stem.....	\$8 00
30-inch stems.....	6 00
24-inch stems.....	5 00
20-inch stems.....	4 00
15-inch stems.....	3 00
12-inch stems.....	2 00
Richmond, fancy.....	Per 100
select.....	\$12 00 to \$15 00
medium.....	10 00
medium.....	6 00 to 8 00

Killarney, fancy.....	Per 100
select.....	\$12 00 to \$15 00
medium.....	10 00
Bridesmaid, special.....	6 00 to 8 00
medium.....	12 00 to 15 00
Bride, special.....	6 00 to 8 00
medium.....	12 00 to 15 00
My Maryland, select.....	6 00 to 8 00
medium.....	12 00 to 15 00
ROSES, our selection.....	6 00
CATTLEYA LABIATA, per doz.	9 00 to 12 00

Carnations.....	Per 100
Valley.....	\$4 00 to \$6 00
Harrisii Lilies.....	4 00
Sprengeri.....	15 00 to 18 00
Asparagus Plumosus,	3 00
extra quality per bunch...	
Fancy Ferns, per 1000.....	50
Wild Smilax.....	2 00
Violets.....	5 00
per case.....	1 50 to 2 00

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Mrs. M. Hoff of Deerfield, Wis., is visiting her daughter, Mrs. Wm. Starrett, at her home on Cottage Grove avenue. Mrs. Starrett has been seriously ill the past two weeks with a severe attack of pleurisy, but at the present writing is improving steadily.

G. H. Pieser of Kennicott Bros. Co. is still confined to his home with the illness previously reported, but a speedy recovery is the hope of all his friends. G. C. Ware is a new employee in the office at the store. E. E. Pieser states that the Christmas business was much larger and although the prices were about 20 per cent lower there will not be more than five dollars' difference in the total sales.

The winter display of blooming plants at Lincoln Park was highly appreciated by the many residents who visited the greenhouses the past two weeks. The large collection of beautiful orchids in bloom was magnificent and contained fine specimens of these exotics which were greatly admired by those who attended the exhibition.

Kyle & Foerster's business the last week far exceeded their expectations. They had a good supply of excellent stock, especially Killarney roses. A complimentary telegram from one of their customers extolling the excellence of the stock received, as well as letters of like import, were very proudly shown and gratefully received.

L. M. Leveson, of the Palace Floral Co., 678 North Clark street enjoyed a very good Christmas business.

Visitors:—Gustav Fredrickson, St. Joseph, Mich.; G. Diller, of the Imperial Floral Co., Milwaukee, Wis.; M. Rocklin, Sioux City, Ia.; Mrs. O. B. Stevens, Shenandoah, Ia.; Geo. D. Leedle, Springfield, O.

HARTFORD, CONN.—A fire slightly damaged the greenhouse of Robert Marchant at 13 Huntington street.

"The Busiest House in Chicago."

For New Year's

We offer as fine a stock of Beauties, Killarney, White Killarney, Richmond, Chatenay, Brides and Maids as can be found on this market. Also an exceptionally choice line of Carnations. We issue a weekly price letter, if you are not receiving it, write for it.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

St. Louis.

GOOD CHRISTMAS BUSINESS.

Christmas, 1910, is now a thing of the past but appears to have been profitable to retailer, wholesaler and grower alike. As expected roses were in good supply but carnations were somewhat scarce, and bulbous stock was plentiful and blooming plants sold well. Holly was very plentiful, a great deal remaining unsold, and wreaths did not seem to sell as well as usual. Good mistletoe had a good sale. The retail stores all did a fine business, cleaning up all kinds of stock.

NOTES.

Fred Armann, of Edwardsville, Ill., owing to a breakdown of his wagon, was compelled to deliver his holly and greens in an undertaker's wagon causing much consternation to some of his patrons until the situation was explained.

C. Young & Sons Co. did an immense business, selling out completely of all plants. Mrs. John Young, widow of the late John Young, who as-

sists at the store on special occasions was indisposed and unable to be downtown.

C. A. Kuehn received a very fine supply of long-stemmed American Beauty roses from A. C. Canfield, Springfield, Ill., and the carnations from Harry Baer, of Peoria, Ill., were exceptionally good.

H. G. Berning had a grand stock of roses and carnations, from the E. G. Hill Co., of Richmond, Ind.

W. C. Smith Wholesale Floral Co. had an immense supply of violets and sweet peas.

Among the novelties were the baby Christmas trees at the Paris Floral Co.

Kelley Floral Co. had a great run of goldfish and Christmas novelties.

W. F.

RACINE, WIS.—A disastrous fire at the greenhouses of Clark Adams, on Washington avenue, supposed to have started from an overheated boiler, destroyed the rear end of the greenhouses and ruined the plants and flowers.

For All Occasions We Offer Our Prize-Winning

ROSES and CARNATIONS

Pronounced by judges at the **Chicago Flower Show** as **exceptionally good** we securing **19 Awards**. Stock exhibited was taken from our **regular cuts** and as such we are able to supply customers with the **selfsame stock** which in turn will surely satisfy your customers. Heavy supply of

Beauties, Maryland, Jardine, Richmond, Pink and White Killarney, Field, Kaiserin, Maid and Bride. They are sure to give satisfaction. None better in the market.

Carnations. All the leading varieties. You will find them to be large sized flower and long stem grade, and of a quality far above the average to be seen in this market. Try them and be convinced.

Valley We grow our own valley; hence we are able to take care of regular orders for large or small quantities. **Quality is equal to the best** brought to our market. Order some of our Valley and be convinced.

Violets. Fragrant home-grown singles, you will find these hardy enough to stand long distance shipments. Can also supply the **New York or Hudson River Violets**, but owing to length of time required for these to reach Chicago, we can only fill orders for such Violets at buyers' risk.

Plenty of other Seasonable Stock of excellent quality

 **We Grow our own Stock**, which insures you getting the freshest possible. The fact that our large plant is located within 30 minutes ride from the store, as well as all depots, **enables us to fill late orders where others fail**. Give us a trial and you will find our stock and prices right.



PARTIAL VIEW OF OUR GREENHOUSES AT WESTERN AND BERWYN AVES., CHICAGO.

**Buy
Direct
from the
Grower**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

**Order
Some
of our
Valley**

Milwaukee.

SATISFACTORY BUSINESS.

Business in general is very satisfactory, all the retailers being well pleased with their Christmas business. Carnations in this market were of an exceptionally fine grade and quality and were a scarce article throughout the week, bringing fancy prices. American Beauties, especially long grades, were very fine, with enough to fill all orders, but a little shy on medium lengths. Violets sold readily at \$2 per hundred, the market being well supplied with a choice lot of home-grown stock. Lily of the valley, although of a fine grade, did not sell this year as readily as was expected.

Richmonds were practically out of this market, the growers being entirely off crop. Killarneys were of a nice grade and sold readily, there being enough to fill orders. Plenty of green goods. This market did not have to contend with any pickled stock, as the growers in this vicinity were not given an opportunity to hold back any stock.

NOTES.

Holton & Hunkel Co. report business very good for Christmas week and could have increased the sales considerably had there been carnations enough to fill all the orders, being unable to take any carnation orders for Saturday. A fine business was done at the greenhouse in the plant line,

cleaning out all the poinsettias and azaleas. An exceptionally fine lot of cyclamen were disposed of readily, being of a much better quality than in previous years.

C. C. Pollworth Co. was all cleaned out of stock on Saturday and report having done a fine business both in cut flowers and in plants. This firm had a large crop of carnations and were able to supply the trade nicely, and a few Richmonds, which are of a very fine grade, are now being cut.

The conservatory adjoining the store of Edlefson & Leidiger looked as though a cyclone had struck it after the brisk holiday business, their large selection being entirely cleaned out.

M. A. McKenney Co. did a fine business, working day and night to get out the orders for Christmas delivery. This concern handles a very fine lot of blooming plants and disposed of them at fancy prices.

J. P. Sherrer, of the Sherrer Co., said he never was cleaned out of stock as well as he was after the holidays, having had an exceptionally fine business.

J. M. Fox was kept busy with Christmas orders and in addition to this had several large orders for debutantes during the week.

Roy Currie, of the Currie Bros. Co., says that business for Christmas was very fine, having cleaned up everything they had.

Visitors: J. E. Matthewson, Sheboygan; C. Adams, Racine; R. G. Miller, Racine.

Los Angeles, Calif.

The Christmas business was very good hereabouts and retailers of long experience in the city say they never before booked so many advance orders as this year. People who have in other years been disappointed in getting what they needed have taken time by the forelock and ordered ahead so that, although the total of business may not be larger than in previous years, yet, retailers felt safer in giving their orders and consequently growers had long lists, only waiting the time for shipping. Christmas plants were well forward, especially azaleas. For some un-explained reason few good poinsettias are grown in pots in this section but outdoors there are large numbers grown for cuttings and, owing to the lack of rains, the bracts are exceptionally fine in color. They are likely to be over-plentiful. Of outdoor flowers there appears to be no end, hundreds of fine yellow and white chrysanthemums, sweet sultan, sweet peas, narcissus and many others being plentiful. But this makes no difference to the sale of good indoor-grown stock, which continues in fine demand. In roses American Beauty is hardly holding its own but Richmond, My Maryland, the Killarneys and other popular varieties are going strong. Long-stemmed Beauties do not find much favor here, a medium length selling better. Easter lilies are in and find a moderate demand for funeral work, but there is little demand for pot stock. Formosum is the variety principally seen now. Orchids are coming in freely from the north but they are poor and thin in texture and cannot compare for quality with the local grown stock. Violets are plentiful

NOTES.

The florists have been extremely busy with funeral work of late. F. Lichtenberg having connected with a good deal of this and also decorative work for the Eastern Star and other fraternal organizations. Mr. Lichtenberg says the advance orders for the holidays are very numerous and he looks forward to a busy time. The white desert holly was very decorative in this store, which is one of the most attractive in the city. All the work is done out of sight and consequently there is no litter of tools, wires and other materials about the store, which is most tastefully decorated and furnished.

Wright's Flower Shop has been extremely busy of late with decorations at coming-out parties and other social functions. At the home of Mrs. C. W. Wood 8,000 roses were used, 2,000 of the finest long-stemmed Richmonds being used in one room. The table decorations were of orchids, an immense number of fine cattleyas being used. Further enlargements of the store being impossible they are now enlarging the cellar below and Tom Wright appears to be as handy in controlling the mechanical end of the business as the decorative. Christmas



ORCHIDS

For New Years

I will have a fine stock of **Cattleyas, Cypripediums, Vandas, Oncidiums** and other **Orchids, Gardenias, Fancy Valley, Violets, Beauties**, all other **Roses, Carnations**, and all **Seasonable Decorative Stock and Supplies.**

Send for Price List.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

Our Carnations Are Superior

That Is Why We Please Our Customers

ALL THE TIME

The same superior, uniform high grade, the best in the Chicago market, every day

WE ARE HANDLING THE ENTIRE CUT OF ROSES for one of the leading Florists near Chicago, and are in position to supply

Am. Beauties, Roses, Sweet Peas, Violets, Paper Whites, Hyacinths, Valley, Greens, Etc.,
at **Lowest Market Prices.**

We can always fill your order, no matter how large or how small, and know we can please you.

CHICAGO CARNATION CO.
A. T. PYFER, Manager.
Phone Central 3473. **35-37 Randolph St., CHICAGO**

prospects are reported elegant here.

Sweet pea windows are pretty and give a summer-like appearance to several of the retail stores, notably Wolfskill's and Morris Goldenson's. At the latter "Johnny" Gordon is always busy with hands and tongue both going rapidly, while making up fine funeral work, of which they have had a good share of late. In preparation for Christmas we noted several new and pretty baskets and other sundries, all of the best.

When on the way home recently, Dave Wolfskill was invited, pleasantly at first, and when he refused, by persuasion from a gun, to enter an automobile, where he was relieved of all the ready cash he had about him and allowed to walk the rest of the way.
H. R. R.

EVANSVILLE, IND.—The total sales for the Christmas trade with the Wm. Blackman Floral Co. were greater than last year. The quality of the cut flowers was better than last year, the supply of roses and violets was short, and the demand for bulbous flowers was good. The prices were about the same as last Christmas. There was an increased demand for flowering plants. There is more call for plants every year—the price of cut flowers is too high.

COLUMBUS, O.—Fire destroyed the greenhouse of Frank Miller on Fairhaven pike, December 16, causing a loss of several hundred dollars.

ATLANTIC CITY, N. J.—The Edwards Floral Hall Co. states that there was an increase of about 20 per cent over last year in the sales at Christmas. The quality of all the stock was fine, there being no scarcity except in violets, and the prices were about the same as before. There was not much demand for bulbous flowers. There was no special increased demand for any one flower and plants sold about the same as last year except poinsettias for which there was a very good call.

JANESVILLE, WIS.—The Janesville Floral Co. report an increase in the business done this year over last of about 15 per cent, and the prices obtained were an advance over the year previous. The supply of roses, carnations and violets was equal to the demand, with a good call for bulbous flowers, which were also in plentiful supply, and the quality of all flowers was better than last year. There was an increase in the call for fancy red and pink roses, and in flowering plants, in fact a large increase in the demand for all the better grades of stock.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.
Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Detroit.

RECORD CHRISTMAS TRADE.

Christmas trade exceeded in volume that of any similar holiday in the history of the local trade, nor was it all crowded into one day, but was most liberally distributed throughout the whole week. It was essentially a plant Christmas, as every grower and retailer can testify, by the unusual call for ferns, cyclamen, poinsettias, azaleas and other flowering and ornamental plants, that commenced with Monday and continued with increasing activity up to and including Saturday and many plants were sold on Sunday and Monday, together with a surprising demand for cut flowers of all kinds. On Saturday the heaviest demand developed, when most any variety of plants or cut flowers that were attractively presented to the interested public sold without effort on the part of salespeople. Never before were so many immortelles and other dried flowers sold. These were chiefly disposed of in the shape of wreaths of various designs attractively trimmed with ribbons, statice, red ruscus and the velvet poinsettias. American Beauties had their devotees and sold somewhat better than a year ago, but prices ruled a little lower. Violets were fairly popular but no spirited demand developed. Carnations were unpopular at the prices demanded, which ran from \$1.50 to \$3 per dozen. The stock of these, however, was good and but few pickled flowers were offered. Roses of all grades were very popular and good prices were usually realized, and the poinsettias were far greater in demand than a year ago, and many fine flowers were sold. Lilies were little cared for and but

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 28.		Per doz.
Roses, Beauty, extra select...	8 00	
" " 36 in.....	6 00	
" " 30 in.....	5 00	
" " 24 in.....	4 00	
" " 18 in.....	3 00	
" " 12 to 15 in.....	1 50 @ 3 10	
" " Short.... per doz	1 00 @ 2 00	
		Per 100
" " Bride, Bridesmaid, select.	10 00 @ 12 00	
" " medium	4 00 @ 8 00	
" " Killarney, select.....	15 00	
" " medium and short	5 00 @ 8 00	
" " Kaiserin.....	4 00 @ 12 00	
" " Mrs. Jardine.....	4 00 @ 12 00	
" " My Maryland.....	5 00 @ 8 00	
" " Perle.....	5 00 @ 8 00	
" " Richmond.....	10 00 @ 15 00	
" " Uncle John.....	5 00 @ 8 00	
" " White Killarney select.....	15 00	
" " medium	6 00 @ 12 00	
Carnations.....	4 00 @ 8 00	
" " fancy.....	10 00	
Bouvardias.....	5 00 @ 6 00	
Chrysanthemums... per doz.,	2 00 @ 3 00	
Cattleyas..... per doz.,	9 00 @ 12 00	
Cypripediums.....	2 00 @ 2 50	
Gardenias..... per doz.,	4 00 @ 6 00	
Dendrobium Formosum.....	6 00	
Lilium Harrisii.....	15 00	
Lily of the Valley.....	4 00 @ 5 00	
Narcissus.....	3 00 @ 4 00	
Phalenopsis.....	12 00	
Stelia.....	1 00 @ 1 50	
Sweet Peas.....	1 00 @ 1 50	
Violets.....	1 00 @ 2 00	
Adiantum..... per 100,	1 00 @ 1 50	
Asparagus Plum, strings, each,	60 @ 75	
" " sprays.....	3 00 @ 4 00	
" " Sprenger.....	3 00 @ 4 00	
Boxwood.....	15 00	
Ferns..... per 1000,	1 50 @ 2 00	
Leucothoe.....	75 @ 1 00	
Mexican Ivy.....	75 @ 1 00	
Mistletoe..... per lb.,	25	
Smilax.....	1 50 @ 2 00	
Wild Smilax..... per case,	5 00	

few were on the market, most of them remaining unsold. The weather was ideal for shipping throughout the week except Friday, when rain turned the already soft snow into a disagreeable slush that greatly deterred the Christmas shoppers. With this exception, the cold, seasonable weather that prevailed was most conducive to the excellent trade than all dealers enjoyed to the full extent of their facilities to care for. Holly was small factor with the florists, who handled only the better grade, and this sold well with them. Ground pine was but little handled as its scarcity confined it to but one or two dealers, who, however, sold considerable of it at higher prices than for many years past.

J. F. S.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.
Long Distance Phone, Randolph 3619.

Geo. Reinberg

Wholesale Florist

35 Randolph Street, CHICAGO.

BE YOUR OWN COMMISSION MAN

— AT THE —

Flower Growers' Market
60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

NEW ORLEANS, LA.—The winter exhibition of the New Orleans Horticultural Society held December 15 was one of the finest ever given by the society. Beautiful displays were made by The Metairie Ridge Nursery, U. J. Virgin, Paul Abele, J. A. Newsham and J. St. Mard.

HOUSTON, TEX.—The Chamber of Commerce has inaugurated a Rose Day, naming December 15, which is to bring about the general co-operation of the people in the beautification of the city. The roses are to be planted between the sidewalk and the curb line in order to give the streets and avenues a symmetrical appearance.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
 Mrs. C. W. Ward.....8.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
 1209 Arch St.,

Philadelphia, Pa.

Pittsburg.

PLENTY OF STOCK.

Christmas conditions resembled those of Thanksgiving to a great extent, that is most every one was led to believe that stock would not be plentiful, but the reverse proved to be true and I hardly think any one was disappointed on their orders even on red stock. Carnations, of course, cleaned up first while the next two Xmas leaders, violets and American Beauties, went a little slower. Roses were plentiful at all times and did not hold their prices well. Cattleyas were scarce and what came in sold on sight. Paper Whites, Roman hyacinths, and lily of the valley sold up well. Sweet peas, baby primroses and stevia were also heavy sellers. Cut poinsettias were not as much in evidence as in other years. Plants as a rule sold well and the plant people are more than satisfied.

NOTES.

Gilbert Weaklin's place looked as tho it had seen many a Christmas by the confidence Mr. Weaklin had in stocking up (this being his first year) and all were moved out satisfactorily.

The A. W. Smith Co. and Randolph & McClements had an immense supply of poinsettia flats which kept them busy. Walter Britenstein helped the latter firm out over the holidays.

Harry Hamm, Samuel Cape, and Geo. Werheim, the East End florists, away from the shopping centers, had an unusually heavy plant trade, cleaning up everything.

The street stands did an immense amount of business as they seemed to be asking very low prices compared to what the stores were getting.

The McCallum Co. were fortunate in being exceptionally well supplied with 36-inch Richmonds of fine quality.

Mrs. E. A. Williams was kept busy with greens until Friday when all attention was given to cut flowers.

Holly and greens were big sellers on the South Side, but no special excitement occurred in cut flowers.

The Zieger Co. gave most of their attention to cut stock and had their hands full at that.

The Allegheny market had a good day, every one there getting his share.

The Pittsburgh Cut Flower Co. handled an immense lot of violets.

The East End Floral Co. has been very busy with funeral work. J.

Washington.

UNEQUALED CHRISTMAS BUSINESS.

"The best Christmas trade we ever had," is the consensus of opinion of the florists of this city. One leading florist said that a surprising feature was the immense sales of flowering plants. The azaleas have again shown their worth as Christmas plants, but it can be said that we had the best stock of them, well flowered, ever seen here. A great feature was the stock of begonias, Glory of Cincinnati and Gloire de Lorraine, but it must be acknowledged that the work of J. A. Peterson with his Glory of Cincinnati has surpassed the other varieties. The first of last week was cold, with icy streets, and there were gloomy forebodings in regard to Christmas business and deliveries. Fortunately, the last two days of the week brought milder weather and there was no in-

Wholesale Flower Markets

PHILADELPHIA, Dec. 28.		Per 100
Roses, Beauty, extra.....	15 00@25 00	
" first.....	8 00@10 00	
" Brides and Maids.....	1 00@ 5 00	
" Killarney.....	1 00@ 6 00	
" White Killarney.....	1 00@ 5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums.....per doz.,	50@3 00	
Gardenias.....per doz.,	2 00@3 00	
Lilium Harrisii.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Snapdragons.....	3 00@ 5 00	
Violets.....	50@ 75	
Adiantum.....	75@ 1 00	
Asparagus.....per bunch,	50	
Smilax.....	15 00@20 00	
PITTSBURGH, Dec. 28.		Per 100
Roses, Beauty, special.....	25 00@35 00	
" extra.....	15 00@20 00	
" No. 1.....	10 00@12 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Chatenay.....	3 00@12 00	
" Killarney.....	3 00@12 00	
" My Maryland.....	3 00@12 00	
" Richmond.....	3 00@12 00	
Carnations.....	3 00@ 5 00	
Chrysanthemums.....	3 00@25 00	
Cattleyas.....	75 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Paper Whites.....	4 00	
Romans.....	4 00	
Sweet Peas.....	50@ 1 00	
Adiantum.....	1 50	
Asparagus Sprenger, per bunch,	50	
strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	

convenience. The great sale of plants began on December 23 and continued until December 26. The cut flower sales were heaviest on the afternoon of December 24, continuing to December 26. There was an abundant supply of cut flowers, but several retailers complained that the prices of carnations were pushed too high. Early in the week there were advices from some of the violet growing sections that the supply would be short, but everybody seems to have secured all they needed. Taken as a whole, there was a good supply of stock and prices as a rule were reasonable.

NOTES.

The store of J. H. Small & Sons was a very busy place. While this firm does not make a specialty of growing cut flowers, they do grow an immense number of fine plants. They employ an experienced plantsman and his productions for this season exceeded all of his previous efforts. A feature of the increase of the business of this firm is a fine new electric automobile for delivery purposes.

A. Gude & Bro., as is generally known, have a large glass area and are extensive growers of both plants and cut flowers. Their business was simply enormous. They are the only growers of good American Beauty roses around this city and their stock was excellent.

Geo. H. Cooke, who is exclusively a retailer, made a most excellent exhibit of plants and cut flowers, and sold them all out. Though an unpretentious man, he is generally recognized as one of the most expert designers and decorators of this city.

F. H. Kramer was one of the busiest men. At his main store, Ninth and F streets, there was a constant stream of customers. His branch stores at Grant Place and in the Center Market were also scenes of activity.

We are strong on **GOOD**

Beauties

Violets and Stevia

THE McCALLUM CO., Inc.
 PITTSBURGH, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.
 Mention the American Florist when writing

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.

Mention the American Florist when writing

The Florists' Exchange....

729 13th Street, N. W.
 WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
 "Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
 Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Z. D. Blackistone's store was crowded with customers throughout the buying days. Being a man of excellent taste he always manages to have what the people want.

George C. Shaffer had a great trade. In addition to his immense stock of plants and cut flowers he had a great business in Christmas trees, his stock being of the finest.

Alexander B. Garden had a splendid stock of azaleas, which sold well; in addition, his roses and carnations were plentiful and up to the standard.

Leapley & Myer, two enterprising young men who recently opened a store at Ninth and G streets, sold out well. A. F. F.

SEATTLE, WASH.—L. P. Walz has sold out his downtown business and with Mrs. Walz is making a California trip.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 St. Boston, Mass.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

FAIR SUPPLY.

The supply of flowers in the Flower Market the last four days was much better than was anticipated a week ago. There was a fair supply of everything, which sold for good prices. About the only thing that went slow being white carnations. On about all the stands in the market bunches of the different white flowers were to be seen and Saturday afternoon the prices on all kinds of white flowers had dropped in order to clear them out, but this is the usual condition as everybody is looking for color at this season of the year. And red roses and red carnations sold almost at sight and brought the usual prices. There were just about enough violets in the market to supply the demand and they sold at a good figure. The retail dealers were too busy to talk about business very much, and while they are favored this year in having three days in which to deliver their orders, it is almost impossible to give a full report of their business, the feeling seems to be that it will be fully up to the standard of the previous years. Saturday it rained all day and interfered with business to some extent but Sunday the sun came out and gave a nice, bright day for Christmas.

FLORISTS' CLUB MEETING.

The Gardeners' and Florists' Club held a very large and interesting meeting on Tuesday evening, December 27. President Downs gave an account of his trip to England the past summer, and he said that the conditions were exactly opposite to what they have been at home. While we were suffering from a dry and parched condition it had rained there almost continually. Carnations were shown by A. A. Pembroke, of North Beverly, and James Wheeler, Eber Holmes, exhibited for A. N. Pierson, of Cromwell, Conn., cut flowers, and a pot plant of the new Dark Pink Killarney. Duncan Finlayson showed a seedling cattleya. The following were elected officers of the club for 1911:

Peter M. Miller, president.

Thomas Pegler, vice-president.

W. N. Craig, sec'y.

Peter Fisher, treasurer.

J. P. A. Guérineau, Robert Cameron, William Downs and W. J. Kennedy, executive committee.

It was announced that the Ladies' Night would be held at the January meeting when the installation of officers would take place. Nine new members were admitted.

NOTES.

Among the larger concerns who will furnish an exhibit at the National

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Dec. 28.		Per 100
Roses, Beauty, best	35 00@50 00	
" " medium	20 00@25 00	
" " culls	10 00@12 00	
" " Bride, Bridesmaid	10 00@12 00	
" " Extra	12 00@25 00	
" Killarney and Richmond	12 00@25 00	
" My Maryland	12 00@25 00	
" Carnot	8 00	
Carnations, select	3 00@4 00	
" fancy	4 00@6 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@35 00	
Gardenias	25 00@35 00	
Lilium Longiflorum	8 00@10 00	
Lily of the Valley	2 00@4 00	
Violets	75@1 00	
Smilax	12 00@16 00	

ST. LOUIS, Dec. 28.		Per 100
Roses, Beauty, long stems	30 00@40 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	5 00@8 00	
" Killarney	5 00@8 00	
" My Maryland	5 00@8 00	
" Richmond	5 00@8 00	
Carnations	4 00@5 00	
Easter Lilies	10 00@12 50	
Adiantum	1 25	
Asparagus Sprengeri	2 00@3 00	

CINCINNATI, Dec. 28.		Per 100
Roses, Beauty, per doz.	1 00@6 00	
" " Bride, Bridesmaid	2 00@8 00	
" " Golden Gate	2 00@8 00	
" " Killarney	2 00@6 00	
" " Richmond	2 00@8 00	
" " Pres. Taft	3 00@8 00	
Carnations	3 00@6 00	
Callas	10 00	
Chrysanthemums	15 00@25 00	
Lilium Longiflorum	12 50@15 00	
Narcissus Paper White	4 00@4 99	
Lily of the Valley	3 00@4 00	
Adiantum	1 00@1 50	
Asparagus Sprengeri, per bch.	25	

MILWAUKEE, Dec. 28.		Per 100
Roses, Beauty, per doz.	1 50@6 00	
" " Bride	4 00@10 00	
" " Killarney	4 00@20 00	
" " Richmond	4 00@20 00	
" " Perle	4 00@10 00	
Carnations	4 00@6 00	
Lilium Gigantum, per doz.	2 00	
Lily of the Valley	4 00	
Paper Whites and Romans	3 00	
Stevia	1 50	
Violets	1 50	
Adiantum	1 50	
Asparagus, per string	50	
" Plumosus, per bunch	35	
" Sprengeri	25	
Boxwood, per bunch	25	
Ferns, Fancy, per 1000	2 00	
Galax, per 1000	1 50	
Smilax, per doz.	1 75	
Wild Smilax, per case	5 00	

Flower Show will be the Pierce Brothers, of Waltham. In fact this company constitutes one of the five who are promoting the exhibition. The interest and desire to make this the largest show ever held seems to be growing, and everybody from the humble possessor of a 6x6 back garden patch to the man of large estate will find something to interest them outside of the wonderful display of plants and flowers. The manager, when interviewed at the greenhouses one day the past week, stated that they were so busy filling Christmas orders that everything had to be laid aside. Activity throughout the premises gave proof of that statement. Orders have

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FLOWERS and Jobbers of
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Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies.

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000; by the case, 27 50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

been shipped to Vermont, New Hampshire, Maine and even as far as points in Nova Scotia.

The salesmen at the Park street flower market passed a subscription paper and presented to George Hamer, assistant to Manager Thurston, five ten-dollar gold pieces in a plush lined box as a Christmas present.

Welch Bros. have shipped a large quantity of flowers to all parts of New England to supply their large number of customers.

N. F. McCarthy & Co. report that they have been very busy with Christmas orders during the last week.

Henry M. Robinson & Co. report a good business for Christmas week.

H. C. W.

New York.

EXECRABLE WEATHER.

Well, Christmas is gone and so far as the florist trade is concerned there are no regrets. To the cut flower growers, trade has been disappointing, prices in most lines were little more than half of what they were one year ago. The weather was execrable on the day before Christmas, a steady rain was falling at daybreak and continued incessantly until well into the afternoon; then it cleared. The following day was bright and clear, became better in fact as the time for business passed away. Fortunately, it was not very cold, so taking all things into consideration, it might have been worse. As mentioned above, prices were disappointing but the rose crops just the reverse; everybody seemed to be right in crop almost and such a flood of roses, especially Killarneys, was never seen before. Owing to such a superabundance of this rose, values in all other varieties were held down; still, although prices were low, comparatively, we believe the total volume of business done will be nearly ahead of every previous year even though general average prices will be much lower. Violet growers had a particularly hard streak of luck in getting their flowers to the city. Shipments that should have been in the hands of the wholesale men in the afternoon of December 24, did not arrive until 1:30 next morning, in fact they arrived one hour later than those shipped so as to arrive at midnight. Just what had been the cause of the trouble, no one seemed to know but the absence from the market of those violets during Christmas eve was without a doubt the cause of a great monetary loss to the Hudson River violet industry. As is customary at these holiday festivals, the wholesale men kept their stores open all night. With such heavy supplies as had come in; however, clearances were out of the question and there remained quite a little of almost every seasonable flower when the stores were finally closed on Sunday afternoon. So far as we were able to determine, Richmond roses and carnations were the best sellers, held their prices and cleaned out better than any other stock. The roses fetched from 25 cents each for the extra long and fancy blooms, down to \$5.00 per 100 for the shortest. The carnations touched eight cents and in some instances 10 cents each for the red ones; while rich pink colors ranged from \$6 to \$8 per 100 when good, inferior grades going as low as \$3 per 100. With the exception of the red varieties, it will be seen that carnations averaged little better than they were doing a few weeks ago but, of course, there were a great deal more of them available for the holidays than could be had a few weeks back. Special grades, blooms of such roses as Killarney, My Maryland, Bride and Bridesmaid were quoted at 15 cents but sold in most instances at 10 cents and 12 cents where quantities were taken, and from these figures they ranged down to \$3 per 100 for number two's and three's. There was more than a sufficiency of all the varieties but the Killarneys were away in the lead in numbers. The quality was all right, too, held-over stock being conspicuous by its absence. With special grade tea roses going so cheaply it will be easily understood why the American Beauty roses were such a difficult problem. It cannot be said that this rose was so much more overabundant than in some former years but with long stemmed pink roses at 10 cents and 12 cents, it did seem impossible to do anything satisfactorily with the Beauties. A very few specially selected blooms may have touched the dollar mark, yet 75 cents each was the top price asked at most places for the very best and even that

price could not be realized and clearances effected. Further cuts were made on the figures, down to 60 cents each, and still many were left when the holiday trade was all over, the Beauty question was indeed a cause of worry to those who handled them in large numbers. While the crop of cattleyas was not as large as usual there were enough to meet all demands; prices were held rather firm and out-of-town orders did not materialize to any great extent. Gardenias were one of the scarce things in the market and good blooms brought 50 cents and 75 cents each. Lilies were plentiful and did not sell at all well, the same remarks also apply to Paper White narcissus, Roman hyacinths, stevia, and lily of the valley. Prices in all of them were no better than have been prevailing for some time and it was impossible to clear out of any of them satisfactorily. Sweet peas were plentiful, a good many were handled and a fair lot were left over, no advance in prices were attempted. Tulips were in the market but were very limited in supply. There were quite a number of chrysanthemums which sold only fairly well. Some large yellow blooms went as high as \$5 per dozen, these were exceptional, however, the ruling prices being from \$1.25 to \$2.50 per dozen, and there were quite a number that remained unsold at closing time Sunday. Violets sold at from \$1.25 down to 60 cents per 100, according to quality for there were various grades of them. The delay in the arrivals on Saturday caused much disappointment and loss, for in the Sunday morning, the \$1.25 price was out of the question as the big store trade was then over; the weather was fine, however, and the street peddlers soon got busy and while that kind of trade will soon move thousands of violets, it means at prices ranging from 60 cents to 75 cents per 100. Cut poinsettias were too plentiful and did not clear out well; prices asked were from \$3.00 per dozen down, according to their size. The retail trade from what we could learn was eminently satisfactory. Plants were in fine shape, everybody bought heavily and trade was good, plants selling very well indeed. Cut flowers were reasonable in price and it was no trouble to handle them at a profit, far better than has been the case in most years previously. Trade in holly and mistletoes, also holly plants, was very good indeed, taking it all in all, it was very good for the retailer all around.

NOTES.

A rather amusing incident happened a few days ago at Weir's, the Brooklyn retailers. A number of college students entered the store and arranged for a funeral design to cost \$13.00, one of their class members having lost a brother by death. The design was paid for and as the address of the deceased could not be learned, the flowers were sent to the students' home, which is in the upper part of New York. Letters of condolence in two languages had also been prepared by the students, the family being foreign born, and were sent along with the flowers. When the messenger arrived at the students' home, he was met at the door by a sister of the supposedly deceased young man. She said, "There is no death in the family, my brother in order to procure leave of absence from college gave the brother's death as an excuse to get the holiday; there is no death, consequently the flowers are not needed." Surprising, isn't it, how far reaching a lame excuse will go sometimes.

The explosion that occurred at Lexington avenue and Fifty-first street on December 19, and which caused the loss of many lives, broke a plate glass window in the A. T. Bunyard Floral Co.'s store, corner Madison avenue and Forty-eighth street, sev-

Charles Weiss & Sons

127 West 28th St. NEW YORK
Telephone 1202 Madison Square

WHOLESALE FLORISTS
Receivers and Growers of Cut Flowers.
Consignments Solicited.

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Wholesale Florists

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Telephone Madison Sq. 4878, New York
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Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

eral blocks away from the scene of the explosion.

An advertisement in the daily press by a retailer, offering to deliver a nice box of flowers at Christmas time, to any part of the city for \$2.00 was productive of good results. There is nothing so good for the florist business, wholesale or retail, as advertising.

Frank White of Waverly Place, Elizabeth, N. J., shot and killed himself December 26, after eating his Christmas dinner. He was 47 years of age and business worries are supposed to be the cause of the act.

Myer, retail florist at Fifty-eighth street and Madison avenue, is operating as a branch store the premises formerly occupied by John King Duer, Sixty-third street and Madison avenue.

H. Chadwick, of the Vaughan's Seed Store staff, was called to his home in the West, December 23, by the serious illness of his father.

Mr. and Mrs. C. W. Scott, of the Yokohama Nursery Co., sailed for Bermuda on Saturday, December 24, for a short vacation.

Among visitors in town were A. N. Pierson, Cromwell, Conn.; M. Courtenay, grower for T. M. Rogers, Northport, L. I.

P. T. Smith, wholesale florist, 49 West Twenty-eighth street, has been slightly indisposed for a few days.

Monday was the legal holiday and the trade generally closed their stores about noon.

Des Moines, Ia.

The Society of Iowa Florists at their meeting held at the State House with the State Horticultural Society adopted resolutions urging the legislature to pass a law making it possible for merchants in Iowa to sell insecticides. The present law is such that it is practically impossible for dealers to sell them. At present, the florists must send to other states to secure the packages of insecticides and fungicides which they may require.

MARSHALLTOWN, IOWA.—A greenhouse is being constructed by the Western Grocer Co. Mills in which to start plants to be used on their farms.

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109 West 28th Street, NEW YORK

Everything in Cut Flowers.

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Everything in Supplies.



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Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.

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55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

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PHONES ¹⁶⁶⁴ } Madison Sq.

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Give us a
Trial
We can
Please you.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission
Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.**Wholesale Flower Markets**

NEW YORK, Dec. 28.

Roses, Beauty, special.....	35 00@ 60 00
" " extra and fancy.....	10 00@ 20 00
" " No. 1 and No. 2.....	4 00@ 5 00
" " Bride, Bridesmaid, special.....	5 00@ 8 00
" " extra and fancy.....	4 00@ 5 00
" " No. 1 and No. 2.....	3 00@ 4 00
" " Killarney, My Maryland, spl.....	6 00@ 10 00
" " extra and fancy.....	5 00@ 6 00
" " No. 1 and No. 2.....	3 00@ 5 00
Carnations.....	3 00@ 6 00
Cattleyas.....each.....	40@ 75
Gardenias.....per doz.....	3 00@ 6 00
Lilium Longiflorum.....	6 00@ 10 00
Lily of the Valley.....	2 00@ 4 00
Narcissus P. Wht.....	1 50@ 2 00
Roman Hyacinths.....	2 00@ 3 00
Sweet Peas.....per doz.bchs.....	75@ 1 50
Violets.....	35@ 1 00

BUFFALO, Dec. 28. Per doz.

Roses, Beauty, special.....	12 00
" " fancy.....	10 00
" " extra.....	7 50
" " No. 1.....	5 00
" " No. 2.....	2 00
" " Bride, Maid, Killarney.....	15 00@ 20 00
" " Kaiserin.....	6 00@ 12 00
" " Killarney, White and Pink.....	10 00@ 20 00
" " Pres. Carnot.....	6 00@ 12 00
Carnations.....	5 00@ 10 00
Callas.....	12 00@ 15 00
Lilium Longiflorum.....	12 00@ 15 00
Lilium Speciosum.....	4 00@ 6 00
Lily of the Valley.....	4 00@ 5 00
Mignonette.....	3 00@ 6 00
Narcissus Paper Whites.....	3 00@ 4 00
Stevia.....	1 00@ 1 25
Sweet Peas.....	1 00@ 1 50
Violets.....	1 50@ 2 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Ferns.....per 1000.....	50@ 60
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

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WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

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Chrysanthemum Novelties my specialty.

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CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing**M. C. FORD**

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N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

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FLOWERS SHIPPED BY

P. J. SMITH,Are the best product of the best growers
for the New York market.

Adiantum Croweanum, sold here exclusively.

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50-lb. case Extra Fine SMILAX

\$1.75 per case
QUALITY GUARANTEED
NEEELE PINES

2 to 4 ft., \$3.50 and \$1.00 per 100.

When in need of extra good Smilax
in any quantity, write or wire

Henry M. Robinson & Co.
PINE APPLE, ALA.

You can rest assured that all orders
placed with us will be filled to your entire
satisfaction.

Unknown customers, satisfactory refer-
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Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

Monmouth County Horticultural Society.

The regular monthly meeting of the
Monmouth County Horticultural Soci-
ety was held on December 16. The
election of officers took place with the
following results:

Wm. Turner, president.
John Kennedy, vice-president.
George Kuhn, financial secretary.
H. A. Kettel, recording secretary.
N. Butterbach, treasurer.

It was decided to hold the annual
dinner on January 18, tickets for
which may be obtained from H. Kettel,
Fairhaven, N. J., at two dollars each.
The meetings during winter will be
held on the first and third Friday of
each month and during summer time
on the first Friday of each month. The
bowling club of the society of which
H. A. Kettel is captain, will have a
series of games with the National
Bank local team and also with the El-
beron Horticultural Society's team.
Three new members were proposed as
active members and five new members
elected.

N. B.

We Can Still Supply IN FIRST-CLASS CONDITION:

Araucarias

OUR SPECIALTY.

We are the largest
importers of these lovely
decorative plants,
the *Araucaria Ex-
celsa*, *Robusta Com-
pacta* and *Glaucia*.
6,000 of the choicest
last spring importa-
tion now ready for im-
mediate shipment. It
is of no use to look
elsewhere for cheaper
prices. We now con-
trol and will control
the market of the *Araucarias* in the future.

Araucaria Excelsa, raised from top cuttings, no
seedlings. Plants, 5-5½-6-7 in. pots, 15-18 20-
25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old. 50c,
60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big
value for your money. Just think! An elephant
6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high,
for only 60c to \$1.00; a jumbo, 6-in. pot, 5 year
old, 25 in. and over, as wide as a bushel basket,
5-6 tiers for only \$1.00; and what do you think
a holy terror, 30 in. and over, 5-6 tiers, worth
\$7.00, for only \$1.25 to \$1.50.

Robusta Compacta, *Excelsa Glaucia*, 6-in. pots,
\$1.00, \$1.25, \$1.50 to \$2.00 each.

We also have the nicest *Araucaria Robusta Com-
pacta* and *Excelsa Glaucia*, a house full, for
only \$1.15 to \$1.50, worth double.

Primula Chinenalis, mostly white, 5¼ in., \$2.50
per doz.

Asparagus Sprengeri, 2½ in., 3c; 4 in., 10c.



Kentia Forsteriana, in fine shape, 6-in. pots,
30 35 40-45 in. high, 4-5-6 years old, 75c, \$1.00,
\$1.25, \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30 35-40 in. high, 5-5½-6-7 in.
pots, 5-6-7 years old, \$1.00, \$1.25, \$1.50 to \$2.00
each.

Kentia Belmoreana, combination plants, 25 to 30
in. high, made up of 3 plants, 6 to 7 in. pots,
\$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high, 20c
to 25c.

Our Ferns this year are exceptionally very fine
Boston, *Scottii*, *Whitmani* and *Scholzii*, 5½
and 6 in., 35c, 40 and 50c; 7 in., large bushy
plants, 75c to \$1.00. As big as a bushel basket,
\$1.00 to \$1.25. Remember, all our Ferns are
pot-grown, not lifted from benches.

Neph. Glatasii, a new beautiful fern, an improve-
ment on *Scottii*, much shorter and bushier than
Scottii, 5¼ in. pots 50c; 3 in. pots, 25c.

Pteris Wilsonii, 3 large bushy plants in 6-in. pan,
30c to 35c per pan.

Ferns for Dishes, big assortment, 2½ in. pots, at
\$4.00 per 100.

Dracena Bruanti, 25 to 30 in. high, 6 in. pots, 40c
to 50c. Highly recommended for store and house
decoration: stands heat, cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35
in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6-in. pan, 25c to 30c.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Jerusalem Cherries, or *Solanum* 6-in. pots, 25c,
35c, 50c; full of ripe berries.

Cineraria Grandiflora, Aschmann's well-known
strain, 2-in. pots, \$3.00 per 100; 4-in., 10c.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants.

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From the House That Cuts Prices on Best Quality Stock

Violet and Green Tin Foil, best quality, 17c per lb.

Plain Foil 9c per lb.

Imported Magnolia Leaves \$2.00 per hamper

Boxwood Sprays, very best quality 15c per lb.

Best quality Wild Smilax \$6.00 per 50-lb. case

Immortelles 14c per bunch

13c per bunch in case lots, 125 bunches in case

It will pay you to buy from us, as you will save money on every article you buy.

HENRY M. ROBINSON & CO.

Manufacturers and Importers of Florists' Supplies, Dealers in Hardy Cut Evergreens.

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15 Province St.,

9 & 15 Chapman Pl., Boston, Mass.



FANCY FERNS, \$1.50 per 1000

New Crop Galax, Bronze or Green \$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze \$1.00 per 100; \$7.50 per 1000

Boxwood per bunch, 35c; 50-pound case \$6.50

Log Moss, in barrels for hanging baskets \$2.00 per barrel

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist
business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly,
on receipt of same.

Give us a trial. We know we can please you.

Caldwell the Woodsman Co., Evergreen, Ala.

Southern Wild Smilax

Now ready for shipment.

Perpetuated and
Natural Sheet **MOSSES**

Satisfaction guaranteed.

E. A. BEAVEN,

Evergreen, Ala.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Philadelphia, Pa.

J. J. HABERMEHL'S SONS

Florists, Bellevue - Stratford and Diamond and 22nd Streets

CHOICEST FLOWERS ARTISTICALLY ARRANGED.

Telephone: Spruce 3780

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

NEW YORK

Malandare Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Denver, Colo.

**The Park
...Floral Co.**

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Washington,

D. C.

14th and N Street

Also

1601 Madison Ave

Baltimore, Md.

J. DAN BLACKSTONE

New York and Washington, D.C.

J. H. Small & Sons

FLORISTS

New York:

1153 Broadway and Waldorf-Astoria.
Washington, D.C.: Cor. 14th and G Sts.

Mention the American Florist when writing

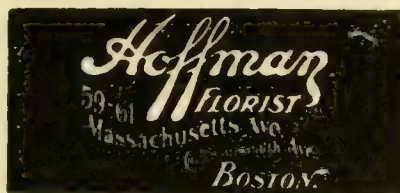
Grand Rapids, Mich.

ELI CROSS

Wholesale and Retail Florist

25 Monroe St.

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

MYER, FLORIST, 609-611 Madison Ave

Phone 8297 Plaza

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Kansas City, Mo.

WILLIAM L. ROCK**Flower Co.**

Will carefully execute orders for
Kansas City, and any town in

Missouri, Kansas or Oklahoma

Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1583

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dia. Phone

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue

We Cover All Points in Ohio.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan.

Nashville, Tenn.

Geny Bros.

LEADING

FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

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319 MAIN PHONE.
272 Fulton Street.

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

Terre Haute, Ind.

John G. Heintz & Son,
129 South Seventh St.

Telephone 247.
We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them
Kansas City and Pleasant Hill, Mo.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

International
Floral Association

Incorporated, \$50,000.00.

1328 Broadway,
NEW YORK.

Organized for prompt and efficient service to all parts of the civilized world.

TRANSACTS BUSINESS for MEMBERS ONLY

Name Index to Retail Florists
Filling Telegraph Orders.

Anderson Floral Co., The, Anderson, S. C.
Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J., Philadelphia.
Heintz & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, Florist, Boston.
Holm & Olson, St. Paul, Minn.
International Floral Assn., New York.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Witthold Co., Geo. 737 Buckingham Pl., Chicago.
Wolfskill Bros., 218 W. 4th St., Los Angeles, Calif.
Young's, 1406 Olive St., St. Louis, Mo.
Young & Nugent, New York.

Kitt, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
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Small & Sons, J. H., 1153 Broadway, New York.
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Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Witthold Co., Geo. 737 Buckingham Pl., Chicago.
Wolfskill Bros., 218 W. 4th St., Los Angeles, Calif.
Young's, 1406 Olive St., St. Louis, Mo.
Young & Nugent, New York.

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J. E. LAPES

The Leading Florist of Cedar Rapids,
Will fill your orders for Designs and Cut Flowers in Iowa and the Middle West.

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"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

43 BROMFIELD STREET.

Mention the American Florist when writing

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Mention the American Florist when writing

Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

M. D. REIMERS

Successor to Chas. W. Reimers.

.....223 S. Fourth Avenue

Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

Mention the American Florist when writing

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Mention the American Florist when writing

Anderson, S. C.

THE ANDERSON FLORAL CO.

503 MARSHALL AVE.

Mention the American Florist when writing

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



**WASHINGTON
D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388, Cumb. Main 1388 A.

..... 634 Fourth Avenue.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Ell Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg F. & P. Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schultz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Nashville, Tenn.—Gony Bros.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—International Floral Ass'n.
New York—Alex McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—J. G. Heintz & Son.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.
Western Union Code.

Mention the American Florist when writing

Chicago.

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**Wolfskill Bros.
FLORISTS**

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty. 216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Durysa, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

LESTER L. MORSE, of C. C. Morse & Co., San Francisco, Calif., will shortly issue a new booklet on sweet peas.

DALLAS, TEX.—The Texas Seed & Floral Co. are to erect a building 85x175 feet at an estimated cost of \$50,000.

DELAWARE, O.—The Henry block occupied by the Zack Davis Co., seed growers, was destroyed by fire December 15.

PEDRICKTON, N. J.—Geo. R. Pedrick & Son have been very busy during the past few weeks getting off contract shipments.

SEEDSMEN should write their congressman at once demanding a square deal in the new seed bill (H. R. 29163) now pending.

GLADIOLUS COLVILLEI in the colored named varieties has been in good demand and dealers now sold out could have disposed of more.

CHICAGO.—Prices on the board of trade December 28 for grass seed were noted as follows: Timothy, \$9 to \$10 per 100 pounds. White clover, from \$22 to \$30.

DÉS MOINES, IA.—The Shenandoah Seed Company has filed articles of incorporation. The capital stock is \$15,000, and the incorporators are Henry Field and H. E. Eaton.

REMEMBER, a guarantee goes with every package of seeds that I send out. Votes refunded if seeds do not come up. Write for catalogue. James R. Mann.—Adv.—Chicago Tribune.

THE Cleveland Home Gardening Association sold last season 826,432 penny packets of flower and garden seeds, 601,000 of which went to other cities and towns and the balance to the children in the Cleveland schools.

VISITED CHICAGO.—J. W. Edmundson, representing the Braslan Seed Growers' Co., San Jose, Calif.; Geo. C. Thompson, representing Northrup, King & Co., Minneapolis, Minn.; G. Tegelaar, representing C. J. Speelman & Sons, Sassenheim, Holland, and Lagarde & Speelman, Ollioules, France.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN C. LEONARD, treasurer of the Leonard Seed Co., Chicago, who has been ill with diphtheria, is progressing favorably.

A. HENDERSON & Co. is the name of a new firm which will do a general business in seeds, bulbs, plants and supplies at 51 Wabash avenue, Chicago, commencing January 1. Alex Henderson, who has held a responsible position at Vaughan's Seed Store during the past 13 years, is the principal of the concern, and Guy M. Reburn, who has been a traveling representative of the same establishment for a number of years, joins in the business. These young men have a host of friends in the trade and we wish them every success in this enterprise.

ROCHESTER, N. Y.—Among the many pleasant days that come to the people connected with the house of James Vick's Sons, Christmas Day takes the highest place. On December 24, the annual celebration occurred in the form of a dinner served in the offices of the company. More than a score of the young ladies from the office and departments, together with Charles H. Vick, George Arnold and E. F. Rowe, gathered about the tables and were served with turkey furnished by W. T. Fonda, treasurer of the company. At the close of the dinner, which was served in a most capable manner by Henry Smith, several of the ladies gave and responded to toasts. F. B. King, of the Mandeville & King Co., entertained the entire office force, December 24, at the Hotel Eggleston, in celebration of Christmas Day. Mr. King was assisted by W. H. Dildine, superintendent of agents, and C. C. Barnes, general superintendent.

A New Seed Bill.

On December 13 there was introduced into the House of Representatives a bill, now known as H. R. 29163, and the same was referred to the Committee on Interstate and Foreign Commerce and ordered to be printed. Every seedsman should write his congressman at once for a copy of above bill, giving the number, and should protest against this iniquitous proposed act, which puts every seedsman under a prison penalty law and is intended to put the seed business at once and forever into the disreputable class, carrying as it does the assumption that this industry is so conducted that an unreasonable number of those engaged in it are dishonest.

This bill can be fought and should be fought on the broad, fundamental

ground that Congress has no right to put such a ban on any reputable industry until it is shown by open and unbiased hearings in various sections and by census and custom house records that there does exist in this trade dishonest practices beyond the usual average run of human misdoings. The best men in the trade claim that the average of commercial honesty in the seed trade excels that of most others and does so of necessity because misdeeds in seed sales are known in a few weeks and no merchant could succeed for even two seasons who knowingly sold bad seeds.

Seedsman who value their reputation and the reputation of their industry, down to the future generations, should get busy now and demand, before such a disgraceful law is put upon them, that just and ample proof is furnished of this dishonesty assumed by the proposed bill, before they allow themselves to be put into the class with patent medicines, pettifogging lawyers and get-rich-quick concerns. Get a copy of the bill—read it. Write your congressman, or go and see him, or both. Do it now.

Imports.

During the week ending December 10, imports were received at New York as follows:

H. Frank Darrow, 594 cases lily of the valley pips, 30 cases trees and shrubs, four barrels seed and one crate trees.

Wm. Hagemann & Co., 489 packages and 144 cases lily of the valley pips.

Peter Henderson & Co., 270 bags and 150 barrels seed.

Vaughan's Seed Store, 180 cases lily of the valley pips, 42 packages seed, seven cases plants and two packages basketware.

J. M. Thorburn & Co., 73 bags seed and 61 cases trees.

McHutchison & Co., 18 cases trees and shrubs and six cases plants.

Wadley & Smythe, 18 cases trees and shrubs.

C. C. Trepel, 10 cases lily of the valley pips.

J. J. Habermehl's Sons, five cases plants.

MacNiff Horticultural Co., five cases trees.

Stumpp & Walter Co., three cases bulbs and three cases trees.

Wm. Elliott & Sons, one case seed.

Weeber & Don, one case seed.

To others: 2,881 bags, 1,211 barrels, 1,063 packages, 400 sacks, 272 cases and two casks of seed, 433 cases and 85 packages lily of the valley pips, 122 cases, 25 packages and nine boxes plants, 122 packages trees and shrubs, 14 packages, four cases, one box trees and one bale shrubs, 100 cases immortelles, 16 cases bulbs.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

Our New Catalogue Will Be Ready at Christmas.

SEEDS

PEDIGREE STOCKS of Vegetable and Flower Seeds for Market Growers and Florists.

Radish, Sparkler.

A splendid new variety. Bright scarlet top, with large, pure white base. The two colors are sharply divided and do not merge one into the other, as in the old Red Turnip White Tip. Quite distinct. Very dainty appearance on the table. \$40 per 100 lbs.

New customers are requested to send cash with order or usual references.

WATKINS & SIMPSON, Ltd., 12 Tavistock Street, Covent Garden, LONDON, ENGLAND.

SEEDS

OF ALL KINDS APPLY TO

W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Mention the American Florist when writing

REAL BARGAINS

White Kaffir Corn. \$1.50	Per 100 lbs.	Yellow Bird Millet. \$1.75	Per 100 lbs.
Fancy Hemp Seed. 2.75		Bird Vetches. 2.25	
Sicily Canary Seed. 2.62			
German Bird Rape. 3.50		Red Bird Millet. 2.25	
Canada Field Peas. \$1.50	per bushel.		

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLGIANO & SON, Importers and Wholesalers, Baltimore, Md.** Established for 92 years.

Mention the American Florist when writing

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

SEVEN TOP

Seed Merchants whose supplies of **SEVEN TOP TURNIPS** are under their requirements are requested to ask for prices, at same time naming quantities they are short.

D. LANDRETH SEED CO.,

Bloomsdale Farms, Bristol, Penna.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

ANNOUNCEMENT!

Alex. Henderson and Guy M. Reburn, for some years identified with Vaughan's Seed Store, Chicago, will open a **general seed business** at 51 Wabash Avenue, Chicago, January 1, and solicit the patronage of the trade and the public.

No effort will be spared to supply the best obtainable in leading flower and vegetable seeds, and special attention will be given to import bulbs and plants. Trade and garden supplies of every description will be selected with all the care and judgment that come of long experience.

A. HENDERSON & CO.,

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing

John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Sons,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.** and Wisconsin.

Mention the American Florist when writing

A good salesman is a valuable friend to a business man. He is a walking bureau of information and generally a very intelligent man. Often his time is worth more than that of the man he is selling—he comes perhaps only once a year—and always tries to wear a smile. Now the best hotel is a poor home, and the boys on the road usually deserve courteous treatment; yet the writer has met men who look upon them as a menace to their business, whereas they are a benefit. The successful salesman has no time to talk about others, he is a booster; he is not merely an order-taker, but a business-getter; he is aggressive; has strength of purpose; combines the interests of the house with those of his clients; and in general is a very capable man, and an indefatigable worker. He knows no hours for sleep until his business is done and he eats when he can; stands all kinds of climate and all kinds of people; and is a vital part of this business world of ours and a man worth your time to see.

We know there are some salesman or order-takers in this business who are rum-guzzlers; and some are business beggars, the latter being principally foreigners; but there are good ones and there will be more as time flies. **Horseshoe Brand** salesman are gentlemen, who have faith in their goods and the house, who have practical experience in the importing business, and who are absolutely independent men, that have "made good." They are selling the best there is and they know it, and those they do not reach, the mail does, and we solicit business from all who want **Horseshoe Brand Products.**

Write Us.



Ralph M. Ward & Company

"Not How Cheap—But How Good."

12 WEST BROADWAY,
NEW YORK

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

ACCORDING to the December issue of the Crop Reporter issued by the Department of Agriculture the total acreage of potatoes in the United States for the year was 3,591,000, producing 338,811,000 bushels of a total valuation of \$187,985,000.

Prices of Indoor Fruits and Vegetables.

New York, December 26, 1910.—Mushrooms 50 cents per pound; cucumbers, 20 cents each; lettuce, \$1.50 per doz. heads; tomatoes, 50 cents per pound; asparagus, \$9.00 per doz. bunches; radishes, 60 cents per doz. bunches; grapes, \$1.00 to \$1.25 per pound.

Seasonable Notes.

It is always interesting to hear from others in regard to methods. Maybe some would like to know how we go at things. Early in the season a heavy snow covered up our spinach fields preventing any further cutting. The price rapidly advanced to one dollar per bushel, which is a tempting figure when one has hundreds of bushels buried in the snow. We laid a long pipe line into the field and started our irrigation steam pump; one man with a hose to wash away the snow and frost and a couple to follow, cutting the crop. By piping the exhaust steam into the water line we got the right temperature for rapid thawing.

Last winter in the heavy snowstorm we put one-inch pipe lines into the gutters of our greenhouses and connected to heating system. Those lines of pipe kept the gutters free, permitting the water to flow out and the snow to slide down to be melted in turn, thus saving many a glass from breaking and admitting sunlight the next day. Where heavy snows occur such pipe lines should be ready beforehand so they can be turned on at a moment's notice.

MARKETMAN

Forcing Rhubarb.

Rhubarb can be made quite a profitable crop in the winter time, as it occupies no valuable space, that is, need not be put into growing beds in sunlight. Under benches will do, or in sheds or even in a boiler room. The

factors are heat, moisture, and darkness. Many operators allow too much light to reach the plants, which induces an early leaf growth to the detriment of the stems. It is the search for light which causes the plant to send up the long stalks so much desired, hence the exclusion of light is important. Heat regulates the thickness of the stalks to a great extent. We can only force out the stored-up vitality which is in the roots, and a high temperature produces a long, thin stalk while a more moderate heat gives us a heavier product. Fifty degrees to fifty-five degrees is a desirable temperature. It is not necessary to provide deep growing beds, all we need is enough earth to pack the clumps solidly and to hold the needed moisture; for after the forcing the roots are worthless. For early forcing roots should be exposed to freezing to ripen them. Later in spring this is not necessary.

MARKETMAN

For Sale.

1000 lbs. surplus Onion Seed
1910 crop.

N. J. WESTERMAN

Contract Onion Seed Grower.

BEUCHEL, KY.

Onion Seed -- Onion Sets

We are Extensive Growers and Dealers

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

Schilder Bros., Chillicothe, O.

Seeds Fresh Reliable Seeds

"For Early Sowing." Trade pkt. Oz.
Salvia, Clara Bedman, "Bonfire".....\$0.25 \$2.25
Salvia, Splendens......15 1.00
Verbena, S. & I. Choice Mammoth......25 1.50
Mixed......25 1.25
Verbena, S. & I. Choice Mammoth, separate colors......25 1.25
Lobelia, Crystal Palace Compacta......15
Lobelia, Speciosa (Trailing)......40
Begonia Luminosa, fiery, dark scarlet......25
Begonia Vernon.....1-16 oz., 50c
Petunia, Giants of California......1-16 oz., \$2.00 .50
Asters (Vick & Hill grown). See catalogue.



Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia Pa

Send for our new catalogue.

Seeds for the Market Gardener

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 136 page, 25th anniversary, catalogue contains true description and no overdrawn illustrations. Our prices are right quality considered. Market Gardeners are requested to write for our Market Gardeners' Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE,

Box 700
Established 1886

Beatrice, Neb

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4 oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs.....\$2.00
selected specimens } 100 lbs..... 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks.....\$ 3.50
Pure Culture } 100 bricks..... 12.00

VAUGHAN'S SEED STORE,

CHICAGO: NEW YORK:
84-86 Randolph St. 25 Barclay St.

Mention the American Florist when writing

Langdon's Tomatoes

"I have tried all the various strains of Earliana on the market, and yours is the only one I have found that meets my idea of what a good early Tomato should be.

Prof. W. F. Massey.

"Grower" writes, Nov. 13 1910: "I think your strain the finest early variety ever produced for outdoor use, and a good heavy cropper. For forcing it is also very good. It seems to do better with two or three stems than with one alone. It can be planted much closer than other forcing varieties, and has not yet shown a fruit with me that had blossom end rot or dry rot, although other varieties around it have shown it more or less. It is remarkably solid and meaty inside, but has one fault like all Earlianas, having a thin skin. If kept too dry they show a softness, but they will stand more water and feed than any other variety I ever grew."

"Grower" runs 100,000 sq. ft. of glass and knows what a good tomato should be.

Send for our circular for further description and see Market Growers' Journal of Nov. 5.

If you want to be first on your market with perfect tomatoes that will bring a premium over top-notch prices, plant Langdon's Northern Adron-dack Strain of Earliana Tomatoes. Equally good for field or forcing.

Prices: 1/2 oz., 40c; 1 oz., 60c; 2 oz., \$1.20; 4 oz., \$2.00; 8 oz., \$3.50; 1 lb., \$6.00.

F. & H. P. LANGDON,

Maple Ridge Farm, CONSTABLE, N. Y.

Mention the American Florist when writing

CHOICE GERMAN

FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,

37 East 19 St., New York
bet. Broadway and 4th Ave.,

Telephone 4235 Gramercy.

"Highly Pleased With Dorothy Gordon As a Producer"



CARNATION DOROTHY GORDON. FULL SIZE

When in Philadelphia,
Be Sure to Look Us Up

—the way one prominent Eastern grower expresses his opinion of our grand new Carnation. And mind you, he says this after giving it a trial, **himself**—he isn't taking anybody else's word for it.

He says further that he wishes he had a larger stock of "Dorothy Gordon" and speaks favorably of its very large flowers, long stems, and the enormous quantity which his range is producing.

Another prominent carnation house, which grows most of the leading sorts, has planted "Dorothy Gordon" extensively, and speaks very highly of it, expressing satisfaction with both the quality and quantity of its flowers.

Remember what we've told you before about "Dorothy Gordon;" color clear pink—a shade darker than pink Enchantress; flowers large—averaging over three inches in diameter—form and substance of the very best. Bears at least one-third more flowers than Enchantress, and brings regularly 50% more money.

We are now growing a splendid but limited stock of rooted cuttings and offer these at

\$6.00 per 100; \$50.00 per 1000.

Specify your wants now, as our growing capacity is limited, and we are booking orders for many thousands of rooted cuttings each week.

Railway Station: JENKINTOWN

Joseph Heacock Co., Wyncote, Pa.

CARNATION

Mrs. G. W. Ward

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchases.

MRS. C. W. WARD

is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.

The color is the clear, deep pink so much in demand.

**Rooted Cuttings: \$6.00 per 100;
\$50.00 per 1000.**

ALMA WARD, Large White. Rooted Cuttings: **\$7.50 per 100. \$60.00 per 1000.**

Cottage Gardens Co.,
QUEENS, LONG ISLAND, NEW YORK.

The Nursery Trade

American Association of Nurserymen.

W.P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16 1911.

NEW YORK, N. Y.—The Japanese Nursery & Construction Co. have been incorporated to import and sell Japanese plants, shrubs and trees. Capital, \$35,000. The incorporators are Kengo Moriva, H. Brevort Odell, and Geo. W. Dobbs, of Yonkers.

W. E. McMURRY, of Hamilton, the newly elected member of the Montana legislature, has been appointed chairman of the committee on legislation of the Florists' and Nurserymen's Association of Montana. The additions to membership of the association during the past week are: David Gibson, of Helena, and W. E. Gleason, of Florence.

Helenium Autumnale Superbum Rubum.

In reading the article on heleniums in the issue of THE AMERICAN FLORIST of December 10, page 977, I note that you omit to mention a variety of recent introduction called Helenium autumnale superbum rubrum, which was awarded a first class certificate by the Massachusetts Horticultural Society. In my opinion this is head and shoulders superior to any existing sort in color, habit and general usefulness for garden decoration, or as a cut flower. In color it most resembles a blood red English wallflower and took well with the cut flower men in New York city last summer, where it sold on sight at very satisfactory prices.

Sparkill, N. Y. R. W. CLUCAS.

Sambucus Pubens.

Early in July last, the writer like many more florists, made the trip called the "Gorge Route" at Niagara Falls, and when going down the Canadian side, was much interested to note the beautiful effect of an elder then in fruit, growing in profusion among rocks and other waste places. The cluster of berries were a bright coral red, and exceedingly ornamental, so much so that the writer could not rest satisfied until he had found out the name, for it was mortifying to think that after earning a living for thirty-three years where shrubs of all kinds ornamental were grown, this was new to him.

Sambucus pubens seems to be the name of this red-berried elder and those who seek after effects of planting where the season of bloom is followed by another of fruitage will do well to make a note of this beautiful shrub. Very few catalogues contain it because the demand for it is limited, and this is strange when we think of the many thousands of trained observers that pass along this way each year and see it at its best as did the writer, go home, and forget it.

There cannot be any difficulty attached to the culture of this elder, and its propagation could easily be effected by seeds sown soon as ripe, and it will thrive even in the shade and moist places as well as under ordinary conditions.

E. O. O.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.
Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Viburnum Henryi.

Viburnum Henryi was awarded a first-class certificate at the meeting of the Royal Horticultural Society September 27. The genus viburnum, as represented in gardens, has been much enriched by Mr. Wilson's travels in western and central China on behalf of James Veitch & Sons, not only in the number of new species introduced, but more particularly in the new aspects of the genus that have been revealed. V. Henryi is one of the most distinct of the new species. It is an evergreen shrub growing ten feet high, stiffly branched and of somewhat rigid habit. The leaves are oblong or oblong-lanceolate, three to five inches long by about one-third as much in width; of stiff leathery texture, very lustrous dark green above, paler beneath, and furnished with stellate hairs on the mid rib and stalk; the margin is shallowly toothed, except at base. The flowers are produced about midsummer in pyramidal panicles two inches to four inches long; they are about one-fifth of an inch in diameter and dull white. The shrub owes its attractiveness as a garden plant to the abundant crop of bright, coral-red berries. Originally discovered by Dr. A. Henry (after whom it is named) in the Patung district of Central China in 1887, it was introduced to this country by Mr. Wilson in 1901. Plants have been grown in the Coombe Wood Nursery since then without protection, and there is little doubt from the vigorous, healthy aspect of the plants there that it is a

Ground Covers

— AND —

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

— For the Best New and Standard —

DAHLIAS

— address —

PEACOCK DAHLIA FARMS,
Williamstown Junction, N. J.
Post Office: Berlin, N. J.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up; 1000 in 10 distinct kinds, either show, decorative or Cactus, our selection of kinds for \$40.00. Cash.
Canna Roots, Strong division, at \$2.00 per 100, \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

good grower and quite hardy in the average climate of the British Isles. The plant may be readily increased by means of cuttings.—Gardeners' Chronicle.

Roses for Forcing

We can now offer for prompt delivery, dormant stock for Easter forcing. Good stock is scarce this year so order early.

Try the two improved Baby Ramblers:

Jessie,..... per doz., \$5 50; per 100 \$40 00
Phyllis,..... per doz., 3 00; per 100, 22 00
 They are comers. Write for description.

Baby Ramblers

2-year..... per doz., \$2 00; per 100, \$14 00
 3-year..... per doz., 2 50; per 100, 16 00
 ½ standard..... each 1 00; per doz. 10 00

Mrs. Cutbush

2-year..... per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year..... per doz., \$2 00; per 100, \$15 00
 3-year..... per doz., 2 50; per 100, 18 00
 Standards, 3 to 4 feet..... each 75c

Dorothy Perkins

2-year..... per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year..... per doz., \$3 50; per 100, \$25 00
 Standards, 3 to 4-ft. stem..... each 1 00

Lady Gay

2-year..... per doz., \$3 00; per 100, \$20 00
 Standards, 3 to 4-ft. stem..... each 75c

Tausendschon

2-year..... per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

2-year..... per doz., \$1 75; per 100, \$14 00
 Anna de Diesbach, Magna Charta,
 Baroness Rothschild, Mrs. John Laing,
 John Hopper, Ulrich Brunner.
 2-year..... per doz., \$2 00; per 100, \$15 00
 Mrs. R. G. S. Crawford, Paul Neyron
 and others.

Manetti

For December and January delivery.

	100	1000	5000
English.....	\$1 75	\$13 50	\$60 00
French.....	1 50	12 00	50 00

Aucuba Japonica

Variegated foliage, bushy.

18 inch..... each, \$0 75; per doz., \$ 8 00
 18-24 inch..... each, 1 00; per doz., 11 00
 Tubs..... each, 2 50 to \$3 00

Forcing Stock

Azalea Mollis

Fine bush plants, full of buds, each 50c; per doz., \$4.50; per 100 \$35.00.

Deutzias

	Per doz.	100
Gracilis, 7-in. pot grown.....	\$2 00	\$15 00
Lemoinei, 7-in. pot grown.....	2 50	16 00

Hydrangea Otaksa

6 and 7 in. pot grown, 3 to 4 flowering stems
 Per doz..... \$5 00; per 100, \$40 00
 7-in. pot grown, 5 to 6 flowering stems
 Per doz..... \$8 00; per 100; \$65 00

Rhododendrons

Best named varieties for Easter forcing.

For December and January delivery.

	Each	Doz.
Bushy, well shaped plants, 8-12 buds, \$1 00	\$9 00	
" " " " 12-18 buds, 1 25	12 00	
" " " " 18-24 buds, 2 00	20 00	

All of this stock is freshly imported and very choice. Early orders receive first attention.

WE ARE HEADQUARTERS FOR

Boston Ferns

Our stock took first prize at the Chicago Flower Show this fall. It is just the kind of stock you need. Order now.

	Each	Doz.	100
2½-inch pot plants.....	\$.10	\$ 7.50	\$ 5.00
3 -inch pot plants.....	.15	1.25	8.00
4 -inch pot plants.....	.25	2.50	20.00
5 -inch pot plants.....	.40	4.50	35.00
6 -inch pot plants.....	.75	8.00	60.00
7 -inch pot plants.....	1.00	10.00	75.00
8 -inch pot plants.....	1.25	14.00	100.00
10 -inch pot plants.....	2.50—\$3.00 each.		

Prices are f. o. b. Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph St. CHICAGO 25 Barclay St. NEW YORK

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class. Won first honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, - - -	\$ 12.00	Price per 5000 -	\$400.00
Price per 1000, - - -	100.00	25 at 100, 250 at 1000 rates.	

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee, Wisconsin.

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$8 00 per 100; 3-in. pot plants, \$15.00 per 100; 4 in. pot plants, 12-15-in. high, \$35.00 per 100; 5-in. pot plants, 15-18 in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½-in. \$5.00 per 100; 5 in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Sprengerii, Strong 5-in. pot plants, 15c.

Rhododendrons, Fancy forcing varieties, 6 to 8 buds at 60c; 8 to 12 buds at 75c; 12 to 16 buds at \$1.00.

Dracaena Indivisa, 2½-in pot stock for growing on at \$3.00 per 100.

Spirea, large forcing clumps, Gladstone, \$9.00 per 100; Florabunda, \$4.50 per 100; Superba, \$6.00 per 100. Blondin, \$6.00 per 100; Washington, \$6.00 per 100; Japonica at \$4.00 per 100.

Heliotrope, Purple in five good varieties, \$3.00 per 100, \$25.00 per 1000.

Boxwood, Bush shape for window boxes or pot sale, very bright foliage and bushy. 10 to 12-in high \$20.00 per 100; 12 to 15-in. high, \$25.00 per 100. Full line of sizes in both Pyramidal and Natural Bush forms. Prices on application.

Dahlias, Fine collection of field grown clumps. (Special circular on application.)

THE STORRS & HARRISON CO., Painesville, O.

8000 Whitmani

For Xmas Baskets

These are fine stocky plants just right for pans or baskets with other plants. 4 inch \$12.50 per 100; 3-in. \$8.00 100.

	Per 100
Superbissima, 4 in.....	\$25 00
3½ in.....	20 00
Todeaoides, 4 in.....	20 00
3-in.....	12 00
Fern Dish Ferns, 2½ in.....	3 50
Asparagus Plumosus, 3 in.....	5 00
2-in.....	2 50

Cash please. We grow plants only, and sell exclusively wholesale.

THE REESER PLANT CO.,
 SPRINGFIELD, OHIO.

Please mention the American Florist when writing

DELPHINIUM FORMOSUM

Hardy Lilies

Tenuifolium, Wallacei, Hansonii, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM
 and GERMAN IRIS.

Write for Prices.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

Geraniums

S. A. Nutt.....\$11.50 per 1000.
Poltevine..... 14.00 per 1000.
Ricard..... 14.00 Per 1000.

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order or send ten cents for samples.

Coleus

Verschaellitti.....\$6.00 per 1000
Golden Bedder..... 6.00 per 1000
Standards in assortment 5.00 per 1000

Giant leaved, the best collection in the country at \$1.25 per 100 or \$10.00 per 1000. Cuttings will be well rooted of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms cash.

A. M. HERR,
 LANCASTER, PA.

Ferns

Four-inch, heavy well rooted plants.
Pieroni, Eleantissima, Barrowsi, \$14 00 per 100; Boston, \$15.00 per 100.

Wagner Park Conservatories
 SIDNEY, OHIO

Send Advt's. Early for Best Service.

ROSE STOCK FOR 1911

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Radiance Mrs. Aaron Ward

The best of the Standard Varieties:

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Kaiserin Augusta Victoria My Maryland

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Cromwell, Conn.

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Obs. Alba and Rosea.....		1.50
Obs. Gigantea.....		2.00
Asp. Sprenger.....		2.00
Alternantheras, red and yellow, R. C.		60

—Cash—

JOS. H. CUNNINGHAM, Delaware, O

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Write for special prices in large quantities.

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Baron Bonstettin,	Gen. Washington,	Crawford.
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well branched, own roots	\$2 00	\$12 00
2 year old, 2 3 feet, well branched, budded	2 00	12 00
3 year old, 3 4 feet, well branched, own roots	3 00	15 00
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Boston Ferns, 5-in. 25c each.
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and Novelties in Decorative Plants.

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For December Delivery.

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We can fill orders from 1000 to 100,000 and guarantee the stock.

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Violets, field grown, Lady Campbell to clean out, \$3 00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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Our grade invariably the best, our prices right. Write for catalog and estimate when figuring on your new houses.

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in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

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MANUFACTURERS OF The Gutter with a Reputation

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¶ By way of getting acquainted, just send your name and address and ask for 'Trap Book.'



MOREHEAD MFG. CO. Department "N" Detroit, Mich.

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10 CENTS PER LINE, NET.



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ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$8 per 100. Asparagus Sprenger, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprenger, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2½-in., 3c; 3-in., 5c; 4-in., 10c. Asp. Sprenger, 2½-in., 3c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 2½-in., \$2 per 100. J. O. Schmidt, Bristol, Pa.

Asparagus Sprenger, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus plumosus, 3-in., \$5 per 100; 2-in., \$2.50. The Reeser Plant Co., Springfield, O.

AUCUBAS.

Aucuba Japonica, 18 ins., 75c each; \$8 per doz.; 18-24 ins., \$1 each; \$11 per doz.; tubs, \$2.50 to \$3 each. Vaughan's Seed Store, Chicago and New York.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azaleas for forcing. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, 50c each; \$4.50 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, deep pink, and Begonia Lonsdale, light pink, 3-in., 15c; 5½ and 6-in., 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Heller Bros. Co., New Castle, Ind.

Bulbs. Japanese Ilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Bulbs, all kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

CARNATIONS.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations. Enchantress. Perfection. Beacon, \$3 per 100; \$25 per 1,000. Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnation Dorothy Gordon, R. O., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dörner & Sons Co., La Fayette, Ind.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTEMUMS.

Chrysanthemums, Yellow Ivory, White Helen Frick, \$2.50 per doz.; \$15 per 100. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemum Yanoma, \$10 per 100. G. Brunner's Sons, Cincinnati, Ohio.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cinerarias, all shades, 4-inch, ready for 5-inch, \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 60c per 100; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus. Verschaffeltii, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, G. Bedder, Verschaffeltii, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. A. N. Pierson, Inc., Cromwell, Conn.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamens, extra well budded, 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

Cyclamen grandiflora, 4-in., 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinel, 7-in., \$2.50 per doz.; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. DICKSONIA ANTARCTICA. A grand commercial tree fern of greatest value, 4-in. stock, \$3 per doz.; \$65 per 100. FERN SEEDLINGS in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. ADIANTUM CUNEATUM, 4-in., \$12 per 100. Asparagus plumosus nanus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. Y.

Ferns, Whitman, 4-in., \$12.50 per 100; 3-in., \$8. Superbissima, 4-in., \$25 per 100; 3½-in., \$20. Todeoides, 4-in., \$20; 3-in., \$12. For dishes, 2½-in., \$3.50. The Reeser Plant Co., Springfield, O.

Ferns, Boston, 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston and Pierson, 2½-in., 4c; 3-in., 8c. Elegantissima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. Heavy plants, Boston, 4-in., \$15 per 100. Piersoni Elegantissima. Barrows, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns. For prices and varieties see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, assorted, \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Scholzell, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Ochslin, 4911 Quincy St., Chicago.

Neph. Glatrasli, 2½-in., \$2 per doz.; *12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus, 6-in., 35c and 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beaute Poitevine, Mme. Buchner, Strong healthy cuttings, well rooted, prompt delivery, \$1.50 per 100; \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vlaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, standard varieties, 3-in., 5c; 4-in., 5c; LaFavorite, 2½-in., 2c. Mosbek Greenhouse Co., Onarga, Ill.

Geraniums, Special offer, see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, \$1.50 per 1,000. Poitevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. R. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, fancy and dagger ferns, \$1.50 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Spaghnum Moss, large bales, \$1.25; Leucothe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch; 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, laurel wreathing, sheet moss, galax, leucothe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Wild Smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants, Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea arborescens grandiflora, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangeas Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

JERUSALEM CHERRIES.

Jerusalem Cherries, 3¼-in. pots, strong, \$5.00 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, pot-grown. Souv. de L. Spath, Marie Le Graye, Mme. Lemoinel, \$1 each; \$8 per doz.; \$80 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X, Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, Charles X, 50c each; \$5 per doz. Jackson & Perkins Co., Newark, N. Y.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley. For prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips, Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips, Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, English, \$1.75 per 100; \$13.50 per 1,000; \$80 for \$5,000. French, \$1.50 per 100; \$12 per 1,000; \$50 for 5,000. Vaughan's Seed Store, Chicago and New York.

Manetti, English, \$12 per 1,000. French, \$10. Jackson & Perkins Co., Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn. English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Hydrangea paniculata, Grandiflora, Viburnum plicatum, altheas, Berberis, Thunbergi, California privet, Clematis paniculata. For prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Aristolochia Siphio, 3-yr., strong, \$15 per 100. Cornus Amomum, 2-3 ft., \$6. White Snowberry, 2½-3½, \$6. Crataegus Oxycantha, 2½-3½, \$6. Write for additional surplus list. Henry Lake Sons Co., Black River Falls, Wis.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rockery. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 253 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Panles, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Bel., 2 1/2 in. \$8 per 100; 3 in., \$15 per 100; 4 in., \$35; 5 in., \$60. Storrs & Harrison Co., Painesville, O.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PRIMULAS.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obs. alba and rosea, \$1.50 per 100. Obs. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica, 4-in., 10c; 5-in., 15c. Chincensis, 4-in., \$10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, 5-in., \$15 per 100. Mosbek Greenhouse Co., Onarga, Ill.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smit, Naarden, Holland.

ROSES.

Roses, budded-field, grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Queen, 50c each; \$35 per 100; \$300 per 1,000. Mrs. Aaron Ward, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. Dingee & Conard Co., West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros, Fishkill, N. Y.

SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, cauliflower. C. C. Morse & Co., 43-56 Jackson St., San Francisco, Cal.

Seeds, stocks. For varieties and prices see advertisement elsewhere in this issue. Fottler, Fiske, Rawson Co., 12 Faneuil Hall Sq., Boston, Mass.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, Eng.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmer Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Belgiana & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, aster. Elmer D. Smith & Co., Adrian, Mich.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed. Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seeds for market gardeners. German Nurseries and Seed House, Box 700, Beatrice, Neb.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratekins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Metter, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle pines, 2 to 4 ft., \$3.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Three-inch Snapdragon plants, light colors, 12 inches high, \$3 per 100. C. C. Pollworth Co., Milwaukee, Wis.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata, R. C., \$1 per 100; 2 1/4-in., \$2.50 per 100. Mosbak Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-clumps, \$6 per 100. Dingee & Conard Co., West Grove, Pa.

STOCK WANTED.

Stock wanted—Blackberry plants. Address Wm. J. Rieker, 2575a Hebert St., St. Louis, Mo.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling Co., E. C., 32-36 Randolph St., Chicago

Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCollough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Trandley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Welland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

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Toronto, Can.—Dunlop's, 98 Yonge St.

Washington—Blackstone, 14th and H Sts.

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Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.

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Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses, Giblin & Co., Utica, N. Y.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

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New imported florists' baskets. The Radelin Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Vacuum heating system. Chicago Pump Co., 1061 Fulton St., Chicago.

Glass for greenhouses. W. R. Jones & Co., 502 Union Nat. Bk. Bldg., Columbus, O.

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Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. O. C. Pollworth Co. All roads connect with Milwaukee.

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Send prices quoted and we send the books.

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American Florist Co. 324 Dearborn St. CHICAGO

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This T shaped plan of Curvilinear Palm house and three curved eave wings was recently completed at Oakdale, N. J.



From this side you see the difficulties of such a location and how successfully they were met

Curved Eave Houses are the Thing These Days.

We have the model way of building them to obtain greatest light, the strength needed and the attractiveness you want. Send for information.

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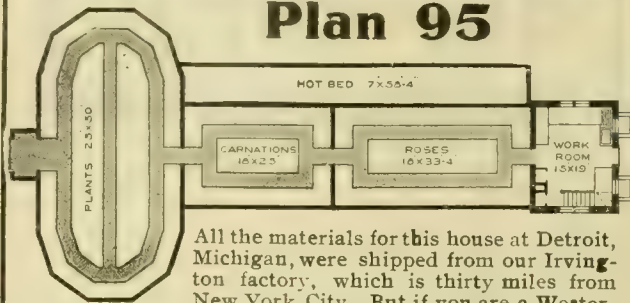
1170 Broadway, NEW YORK.

Wichita, Kans.

The florists have hardly had time to find where they are at since the rush—but a general report indicated that it was the heaviest ever—showing about 30 per cent increase. Weather conditions were perfect, the entire week being favorable for the Christmas shopper—and the florist was especially favored by the mildness of temperature. A temperature of about 40 degrees on Christmas morning was favorable for plant delivery and everything could go with a rush. The supply of evergreen roping lasted only a few days. Holly was in ample supply but not much was left in the hands of the florists. The quality of holly was generally good with occasionally a bad case of dried stock. There is no question but much more was used than ever before, as quantities were sold by merchants and street men who before had never handled the stuff. Cut flowers were in heavy demand with adequate supply. Bulb stuff as usual being the slowest to move. But the heaviest increase was in the plant trade. The stock offered was generally of splendid quality, and sales were at generally profitable prices. The sales of made-up arrangements were only moderate. It is quite probable that they would have been heavier if the florists could have taken time to make up the pieces. The call for pot trimmings was simplified in many cases by the customer taking a jardiniere with the plant. The sales in this line amounted to a nice little item. The usual amount of night work was indulged in, all of the shops spending at least one night on their work—with late hours for the entire week. Azalea plants were not quite up to the average. Some fine plants were offered but much poor stock was left in the hands of the florists. The stock received in this year's importations being generally below the average in quality.



Plan 95



All the materials for this house at Detroit, Michigan, were shipped from our Irvington factory, which is thirty miles from New York City. But if you are a Westerner, we can save you that freight now, because our new factory near Chicago will be working merrily along first of the year. If you want immediate attention just write to Mr. Sykes at The Rookery, Chicago, and you will get quick action.

Lord & Burnham Co.

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There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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DESIGNERS AND BUILDERS



U-BAR CO.

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Mention the American Florist when writing

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W. I. CHITA

RED BANK, N. J.—The getting out of order of a newly installed heating plant when the thermometer registered 10° above zero was the cause of a loss of \$3,000 to the carnation houses of C. H. Smith of this place.

Directory for 1910

*Price \$3.00
Postpaid.*



THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

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324 Dearborn St., Chicago, Ill., U. S. A.

*Contains
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Directory for 1910



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combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.

THE ADVANCE CO.,
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WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
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SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

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THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

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CHALLENGE
VENTILATING
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WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS

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Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

IF YOU SAW IT IN
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

GREENHOUSE CONSTRUCTION

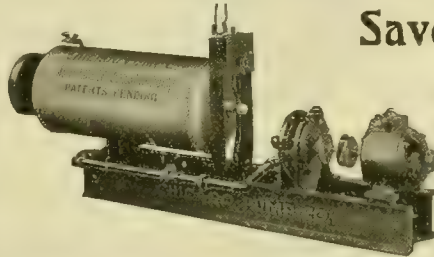
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Our houses are always Light, Strong and Up-to-Date. Write for Bulletins.

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Pulls water and air out of the Heating System. Pulls Hot Steam through the Piping and pumps the water into Boilers at the same time. Easily installed. Requires no attention.

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Is a wood that has come into very general use in
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Inquire of your local dealer, or write us.

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Use our patent
Iron Bench
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Gives results. Three styles of benches including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

OVER 40% NICOTINE

By far the
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JUST NOTE PRICES

24 sheets.....	\$ 0.75
144 sheets.....	3.50
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Furnishes the
Most Nicotine for the Money!

Pint.....	\$ 1.50
½ Gallon.....	5.50
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5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.



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Quickly, easily and
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No tools required.

Pillsbury Carnation Staple
2000 for \$1.00 postpaid.

I. L. PILLSBURY
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Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

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An opportunity to obtain an absolutely
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Open to members and non-members
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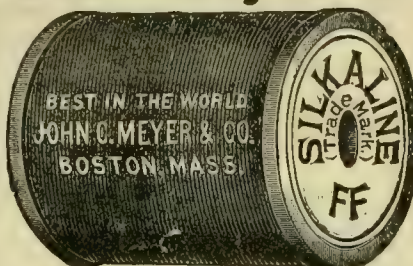
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Manufacturers of the Model Plant Supports for
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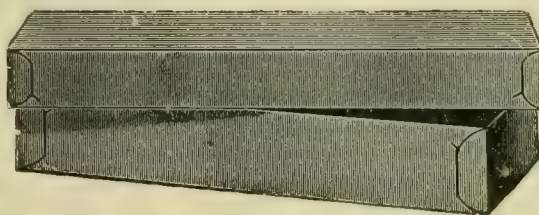


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Also Violet Thread for tying up Vio-
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All sizes, lowest prices. Write.

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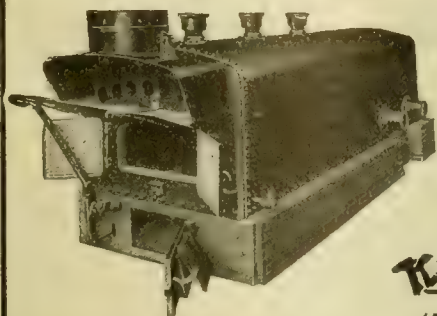
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HEATING THAN
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Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the
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Pulverized Sheep Manure

Absolutely the best Sheep Manure on
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else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company

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black ones too*

are easy to kill with

The fumigating Kind Tobacco Powder

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Satisfaction guaranteed or money back;
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Evergreen Brand Flower Fertilizer

Best plant food and most readily available.

12-lb. cans \$2.00 each.

Other sizes pro rata.

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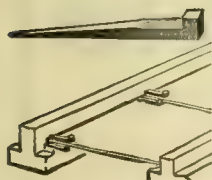
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Lock the door before the horse is stolen,
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For particulars concerning
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JOHN G. ESLER, Secretary

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Good for small or
large glass, do not rust,
easy to drive $\frac{3}{8}$ and $\frac{1}{2}$
inch. Per lb. 40c. 5-lbs.
\$1.85. 20-lbs. \$7.00

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The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from
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When the machine is filled to within six inches of the top, a few strokes
of the pump will compress enough air in the tank to produce a continuous
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,

and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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**INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse**
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
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This is the Grower's Friend. Handy to
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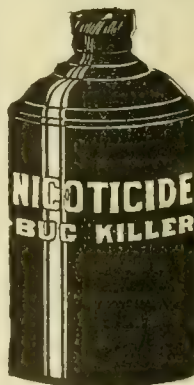
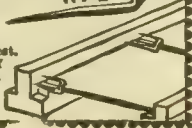
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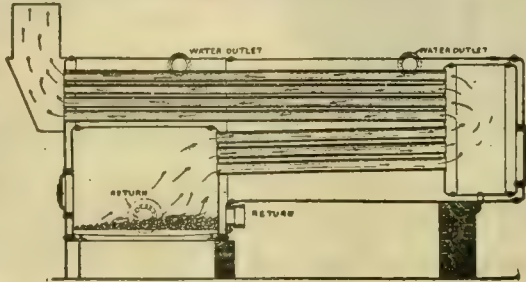
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HILLSBORO, OHIO.—Simon J. Hider reports the business as the best in the history of the florists' trade, flowers selling well and at good prices. Carnations have been slow, but are improving. Mrs. C. W. Ward, looking very fine. A variegated Helen Gould is looking very promising. An addition of two houses 20x100 feet is contemplated.

FORT WAYNE, IND.—W. J. & M. S. Vesey report that the Christmas business this year was greater than in previous years, but the percentage is not yet known. The price of cut flowers were about the same as last year but the supply was not large enough to meet the increased demand, except of bulbous stock of which there was plenty and the quality of all the flowers was fine. There was a large demand for every variety of stock especially flowering plants which showed a marked increase.

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Vol. XXXV.

CHICAGO AND NEW YORK, JANUARY 7, 1911.

No. 1179

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President;
RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Baltimore, Md., August, 1911.
Second National Flower Show, Boston, Mass., March 25-April 1, 1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St. Louis Horticultural Society, St. Louis, Mo., November, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston, March 1911. WM. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President; BENJAMIN HAMMOND, Fishkill, on-Hudson, N. Y., Secretary.

Our Supplements

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

GREENHOUSER'S OBSERVATIONS

Stock Plants of Chrysanthemums.

"It takes a year to grow a chrysanthemum" is an old saying, but somehow many growers persist in acting as though the plants needed no attention or thought from the time the flowers are cut until the cuttings are again inserted. To get good plants we must have good cuttings and to get good cuttings the stock plants must be looked after. They are little trouble and all they ask is a little new soil on a fairly light bench or in pots in a cool house, water enough to maintain root action and plenty of fresh air. Surely this ought not to be too much attention to give the plants from which we expect a revenue during the dull November days when outside all is dreary and roses, carnations and other flowers are not by any means at their best. Our stock plants are now in flats and have been cut hard back to the root since being lifted. They are just throwing up scores of young shoots which, when about an inch high, will be topped and a regular "field" of green shoots will be produced by March when we need them for propagating. Not an inch of space is wasted as the plants were set out thickly in the flats and just as soon as the requisite number of cuttings is taken they will be dumped out and forgotten for these little stubby shoots root so freely that one can depend upon 99 per cent striking and the place is not littered up with old stock. No matter how "busy" the grower is it will pay him to take care of his stock plants.

Keep Moving.

The grower of plants for market purposes has never any stock season. No matter what the time of year there is always—or should be—something waiting to take the place of plants that are going out. A frequent visitor to our greenhouses was surprised to see on Christmas day a large house that had been filled with azaleas for Christmas again filled with Easter lilies. These plants had been waiting in various odd places to be grouped together for a catch crop out of this house before the regular Easter stock was put

in and will be finished and gone in a few weeks. Before the last azalea had gone out the first of the lilies were in and before New Year's the buds on the lilies were showing, needing only a few weeks' brisk temperature to finish them off and furnish fine spikes for cutting during February. Under the benches and in various out-of-the-way places Spirea Japonica and others are waiting their turn and will take the place of the lilies as they go out, while after Easter the house will be filled with early chrysanthemums, these again retiring before the azaleas arrive in November. The stress of modern conditions renders the use of every inch of available space at all times necessary and to do this quite considerable moving about of stock is necessary, but a frequent change of position is good for plants.

The Little Things That Count.

There is a wrong and a right method of doing most things and, as a rule, the difference in time taken to do a thing properly and to do the same thing carelessly is so slight as to be almost unnoticeable. Indeed the grower who makes up his mind to do everything properly and at the proper time usually scores at every possible point over his hurrying and yet careless neighbor who is always rushing but never "gets there." Some people use up so much energy in their "hustling" and in talking about it that they have little left for their work and it has to be done in a slipshod manner. Go into one place where everybody is always rushing around with hardly time to ventilate the houses properly and everything "up in the air" and then into another where the work seems always "caught up," where there is a time for doing certain work and it is done so regularly that it seems to have done itself, and which shows the best results? A few aphides perhaps are seen on the point of a plant, possibly the only ones in a house. The careful grower usually has a little tobacco powder handy that will entirely destroy them in a few minutes, but your "hustler" never sees them or if he

does is too busy to attend to them and they are left, necessitating in a few days the fumigating perhaps of a large house and a couple of dollars expense for the fumigant. Set two men to spray a bench of young roses for red spider. One will so direct the spray from the hose that the under side of every leaf is wetted and little water spilled on the soil. The other floods the soil and the upper surface of the leaves, but leaves the spider dry and comfortable underneath. A little thing perhaps, but it counts. When moving plants from one place to another one grower will take a few seconds to pull a weed or two out of the pots and shake off any fallen foliage, but the hustler has no time for this and sets the plants back untidy and weedy and possibly so unlevel that the next time they are watered the man with the hose will have to stop and set them upright before they will take water. That is, of course, if he too is not of the hustling variety and notices how the plants are standing. These are only a few of the small things that count, but things to emphasize the truth of the old adage that "what is worth doing is worth doing well." Much energy is saved and much better results attained if these little matters are cleaned up as we go along and nothing left to chance or until tomorrow.

Celosia Pyramidalis.

During the summer months there is often a slackening of the revenue from the greenhouses and anything that may be grown to bring in a little money during July and August will probably be useful. *Celosia pyramidalis* is easily grown, does not take much room and sells well during the stock season. A few packets of seed may be purchased very cheaply and sown early in the spring in a cool house. The plants appear in a few weeks and should be pricked off around the edges of pots or in flats to be potted simply when they have attained a little strength. Any empty room or light bench secure from frost will do. I grow them on and they may be shifted into 5-inch pots as soon as they have filled the small ones with roots. Usually by this time or soon after the feathery spikes will be showing and if small stock is needed for finishing baskets or similar purposes some may be placed in 3½-inch pots. All they want is light and air with ordinary attention to watering. Any reputable seedsman keeps the seed in stock in a variety of colors, but the bright red and yellow are the best sellers. The new *Pride of Castle Gould* should give an impetus to the culture of this old and deserving plant and we are going to try it out this season.

Seeds and Seed Sowing.

Again the time is at hand for sowing small seeds and it is well to be prepared. Seedling greenhouse plants have so many enemies right from the start that it pays to take every possible precaution, especially against insect and fungus attacks. Both fungus spores and the eggs and larvae of dangerous insects lurk in the soil and are ready in the presence of heat and moisture to spring up and destroy tender young seedlings. A safe plan is to sterilize all soil used for sowing small seeds and heat is the simplest and best method. A few boxes or deep flats will hold sufficient soil for quite

a lot of seed sowing, and these may be placed on the boilers to destroy all living organisms, whether vegetable or animal, leaving the soil just as good as before for the purpose of seed raising. If this method is inconvenient, then the seed flats can be filled and thoroughly soaked with boiling water which will answer the same purpose.

Some growers seem to imagine that seeds will live forever and keep them year after year. Now we do not by any means advise a wasteful policy, but what is the price of a few packets

of seeds compared with the loss of a crop? Never sow any doubtful seeds. There is plenty of work to do at this busy season without having to watch seed-pans in which dead seeds are sown. Go to a seed firm that has a reputation to keep up and pay the best price for a good article. Cheap seeds are worthless and should not be bought at any price. No one would think of buying a worthless piece of shoddy goods and then paying a high-priced tailor to make a suit. Why, then, waste high-priced labor and room in heavily taxed valuable greenhouses in attempting to raise good plants from old and worthless seed? And give the seedsman a square deal by giving him seeds the best chance possible. He is as anxious as the grower that seeds turn out well—it is his business to get them good but all his labor is in vain unless the grower is willing to do his share and treat them properly.

GREENHOUSER.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Flowers at the Debut of Miss Helen Taft.

The floral designs which are shown in the illustrations were executed by Geo. H. Cooke, of Washington, D. C., for the debut of Miss Helen Taft, daughter of the President. It is well known that photographs do not adequately portray the beauty of flowers, nevertheless we assume that a definite idea of the beauty of these offerings may be obtained from these illustrations.

The basket was made of the new yellow rose *Melody*, snapdragons, daisies, lilies and other flowers on a background of *Adiantum Farleyense*. The orchid bouquet contained all the seasonable varieties of orchids. The old fashioned bouquet which is again coming into popularity, as will be readily seen, is made up of a variety of stock.

A. F. F.

Floral Wedding Ring.

SEE SUPPLEMENT WITH THIS ISSUE.

The use of flowers for the adornment of the bride and the decoration of the church has been one of the great features of the marriage ceremony for ages, and a practice in vogue in almost all the nations of the earth where the beauties of nature are obtainable, and in some countries all the friends of the bridal couple make presents of bouquets or flowers. In this country, the decoration of the church or rooms wherein the ceremony is to take place, as well as the flowers to be carried by the bride and her attendants, is invariably given to the florist. Many of these decorations have been very elaborate, the most artistic florists in the country have exercised the best of their ability and ingenuity in developing beautiful effects. The old set bride's bouquet, made very close and formal, generally of roses, of a few years ago, have been gradually replaced by the use of other flowers, lily of the valley and orchids being used in the finest arrangements instead of the roses. Then came the more loosely arranged bunches, and then the shower bouquets with their quantities of baby and gauzy ribbons, which were a marked advance in the artistic appearance of these beautiful flowers for these brilliant occasions. But the florist is progressive and always originating



An Old Fashioned Bouquet.

Arranged by Geo. H. Cooke, Washington, D. C.
For the Debut of Miss Helen Taft.



A Bouquet of Orchids.

Arranged by Geo. H. Cooke, Washington, D. C.
For the Debut of Miss Helen Taft.



BASKET OF MELODY ROSES AND OTHER FLOWERS AT THE DEBUT OF MISS HELEN TAFT.

Arranged by George H. Cooke, Washington, D. C.

something new and a novel feature during the last two seasons for bridal flowers has been the bridal floral wreath or marriage ring. The finest of roses or orchids are to be used, and the showers should be of lily of the valley or some other select light flowers. The ring is made of a single wire frame covered with asparagus or adiantums and the flowers wired on. As the idea is for the bride to carry this on her arm the top of the wreath should be made very thin and light, the lower part being made heavier, giving the whole arrangement the appearance of a crescent wreath or signet ring. The showers are then fastened on in such a manner that they can be easily removed and thrown to the bridesmaids and guests upon departure. Our supplemental illustration plainly shows what a beautiful arrangement this can be made.

Educating The Customer.

The Saltford Flower Shop of Poughkeepsie, N. Y., had two very prettily printed cards which they used to enclose with their shipments during the holiday trade. One reads, "Keep this plant wet. All flowering plants require twice as much water as a foliage plant. To obtain best results let this plant stand in water for ten or fifteen minutes every day. If the plant is to be kept in a jardiniere do not let water accumulate in the jardiniere." The other "The stems of poinsettias must never be cut nor broken unless the cut or broken end is placed at once in hot water or seared over a flame. This keeps the white sap from running and prevents the wilting of the flower. If these directions are followed you will have no trouble in keeping poinsettias."

FLORISTS' PALMS.

Notes on Palms.

During the month of January but little active growth is visible in the palm houses, even the kentias moving very slowly, while arecas, latanias, cocos and phoenix are practically at a standstill. At such a time it is much better that the roots of these plants should not be disturbed, by repotting, for during the period of rest the plants may be kept in condition more readily when rather pot-bound, besides avoiding the risk of getting the soil soured by frequent waterings, as might easily occur in the case of newly potted stock.

To the practical grower, and that of itself indicates the close observer, the plants themselves will soon show when they are in condition for repotting, for not only will the center leaf begin to push up, but the tips of the roots will show fresh growing points, and when these conditions are apparent it is the proper season for shifting on those plants that are in need of it. But to those who retail their palms it may be worth repeating that no freshly potted palm is in condition to be used in the dwelling, and any stock that is to be offered for sale during the winter should not have its roots disturbed in any way. A well-rooted palm is a good plant for the living room or parlor, provided that it be given reasonable care in watering, but a newly potted plant will soon lose its bottom leaves, and grow beautifully less from week to week, and before many weeks have passed the seller is likely to hear that the fine kentia he

furnished has proved very unsatisfactory.

An even night temperature helps very much in the production of good palms, from the fact that when the stock is kept too high at night the foliage becomes thin and tender, while too low a temperature results in stunting and hardening the plants to such a degree that much valuable time is lost in getting them in a good growing condition again in the spring. A satisfactory night temperature for kentias is 60°, and the same rule will apply for *Latania Borbonica*, phoenix and *Cocos plumosa*, also *seafortthias*. But arecas, *Livistona rotundifolia*, *Cocos Weddeliana* and *caryotas* should not be in a lower night temperature than 65° to get the best results. The writer was once told by a grower that the best results obtained by the latter with *Cocos Weddeliana* were with some plants grown in a house that frequently went down to 40° at night, but this does not agree with the general experience, and is therefore not advised by the writer.

During this season of hard firing, much moisture is needed to keep the atmosphere as it should be in the palm houses, and with this in view it is a good practice to sprinkle under the benches wherever it is much exposed to the heat of the pipes, and also to damp down the walks if the latter are, as they should be, made of concrete. Then there are the dry corners on the benches, some of which are to be found in every greenhouse—those portions that always dry out first, owing in most cases to excessive heat, or too free drainage, or to certain air currents brought about by local causes. Such spots require special attention

each day, either with the watering can or the hose, and especially do they need extra syringing on some occasions when the remainder of the house may not require it, for without this extra care these dry spots become special centers for insect activity, and soon develop colonies of red spiders and thrips, either of which will soon do serious injury to the plants. Regular fumigations with nicotine paper is the best method to keep down thrips and to prevent attacks of aphids, the latter congregating on the young growth of the plants at certain seasons. Solutions of sulpho-tobacco soap for dipping, and solution of nicotine for spraying are among the safest and best preparations to overcome the various scale insects, and when used in reasonable proportions and at proper intervals, will either keep in check or really eradicate these pests of the palm grower. Syringe vigorously every bright day, unless the weather is so cold that the frost does not clear from the glass, but do the syringing early enough at this season that the plants have a chance to dry off before night. Begin to ventilate at 70° to 75° in bright weather, but do so in such a way as to avoid strong draughts, and shut down before the house gets chilly.

W. H. TAPLIN.

Lily of the Valley.

Some time ago Walter P. Stokes, the well known seedsman, gave an informal talk on lily of the valley before the Florists' Club of Philadelphia, of which the following is a synopsis:

"I went into forcing lily of the valley, thinking it the best crop out of which I could get the most dollars from a limited greenhouse space. I will give you in detail my methods of culture, telling you all I know and have been able to find out about lily of the valley, except the one thing which I consider the most important, and this you will have to find out for yourselves, and is, where to get the best pips. One cannot hope to have success without first-class pips. Some get good lily of the valley from cheap pips, but I cannot, I must have the best pips. I do not always get the best by paying the highest price, the top price stock from one dealer often being not equal to those at lower figures from another man.

"I find it impossible to get all the high grade stock I want from one firm. Very much of it comes like this (illustrating with a bundle), fine pips on the outside, but when the bundle is opened about half in the center is inferior and weak stock that will not produce salable flowers. When I receive such stock I invariably send it back and increase my order with reliable growers, or hunt up others on whom I find I can rely. I import direct from the growers of what is known as Berlin pip. All my stock is brought over in cold storage. This adds to the cost, but I find it pays, as the pips arrive in better condition. The ideal pip is to my thinking not the largest, but one rather slender, which must have a good shoulder or base. This I consider very important.

"In preparing the stock for cold storage I find it pays to repack it, although when received it is well packed. I take it out and add sand and moss and also moisten it, for if it dries out in cold

storage the cases become musty and one is apt to find mould when they are unpacked, which is abundant cause for waste that shows in the forcing. Every precaution should be taken so that the waste is as small as possible. With the best pips my waste is about five per cent. With the cheaper, second grade stock it runs from 10 to as high as 20 per cent. It required 10 bales of moss and four cartloads of sand to repack the importation of last season.

"I try to have enough stock on hand over summer to last until the middle of January of the next season, as I find it is not safe nor profitable to force the newly imported pips without that amount of rest. I know some dealers will tell you that you can get the fresh lily of the valley in for the Christmas trade, but I do not find it profitable and I prefer to use the cold storage until the middle of January. The old stock will force in about two weeks, while the first of the new takes about a month to mature, so that a grower who is supplying a regular trade has to be careful at this time to see that there is not a gap which, no matter when it comes, is sure to be at the worst possible time.

"When taken from cold storage—in summer three times a week, in winter once a week—and when thawed out I do not put in sand at once, but leave it for 24 hours, as the pips at first are soft, but gradually get firm and hard and are better to handle. I put sand in a bench about five feet across, 150 pips to the row, close together, with rows four inches apart. This will start at once, and if the pips are first class, should all be ready to cut at the same time. If they do not come even and some have to be left to mature, the crop is not a success and it will not be found profitable. In a row across the bed, counted recently, there were 150 pips. Of these there were cut 108 No. 1 sprays, 34 No. 2, and eight that did not mature, a little less than 5 per cent waste.

"I plant the pips in bar sand, which can be used over and over again for a long time, but should be put outside to purify every six months or so, as it might give a lot of trouble with fungus if used too long continuously.

"In order to get a good length to the sprays, the bed is divided into sections of frame-like construction, with a cover made of heavy duck painted a dark color and kept dark until the lily of the valley has reached the right size, when a slat covering, made of laths three-fourths of an inch apart, is substituted. Under this the foliage hardens and becomes green beautifully and the stock is soon ready for the market. The glass of the house is clear; in fact, it is a very light house of most modern construction. Many people think any kind of a house is good enough for lily of the valley, but I think the best results are obtained from a well-lighted structure.

"Lily of the valley should not be forced too fast. I keep the sand at a temperature of 75° to 80°, with the top cool. If kept too warm it comes soft and does not keep or carry well. I always soak in water for two or three hours previous to shipping. For the Philadelphia market I bunch the flowers and foliage together, just as it is cut, while for New York the sprays are placed in the middle with the leaves by themselves around the edge. I like the Philadelphia way the best.

as the bells are not so apt to get bruised as when separated from the foliage.

"The cost of lily of the valley is for the best pips \$12 to \$12.50 per 1,000; cost of cold storage, \$1 per 1,000; 15 percent for selling. The cost of growing, \$2 per 1,000. This, with freight and other charges, brings total cost up to \$16.50 per 1,000, with the market price \$3 for the first grade and \$2 for second. This leaves a reasonable profit, but everything must work out right in order to get this result, and it requires constant attention and diligence from the time the stock is received until the money from the returns is in the bank in order to bring about a satisfactory and certain profit."

THE CARNATION.

Culture and Propagation.

If the plants have been subjected to a higher temperature to bring out extra flowers for the holidays, a gradual working back to normal conditions should be the order now. While a few degrees higher temperature for a week or so to open up well advanced buds will not do the plants any harm, yet to continue it long enough to force plant growth will be very detrimental to the future crops for the balance of the season, and will ruin the plants in short order. Do not lower the temperature more than two degrees at a time. It is best to lower two degrees for three or four days, then give it another drop, so that there will not be such a sudden change, or badly burst calyxes will be the result.

As the new year opens our minds turn to the work of propagating, and from this time on until the required number are properly taken care of, the cuttings should be put into the sand as fast as the wood gets into condition. Cuttings put into the sand the first three weeks in January and taken out in early part of February give as good if not better results than cuttings taken at another time. Clean sand and a bench away from draughts are essential for successful propagating. Another important feature is to look well to the selection of the cutting. Do not allow any haphazard stripping of the plants; it is much safer to wait a week or two for a second batch. Also do not allow any wilting of the cutting from the time it is taken from the plant until it is rooted in the sand. While the cuttings are rooting in the sand it is a good plan to get the soil for potting them up into a place where it can dry out a little and get warmed through. Another part of the work to look forward to now, is that of giving the plants extra nourishment, and great care must be exercised in this respect if the plants are stripped freely of cuttings. It will not do to feed with liquid manure to any great extent, because they will not be able to assimilate it and flowers of poor keeping qualities will be the result. Also do not feed plants that are expected to produce a lot of cuttings, or it will soften up the wood so that it will be difficult to root them.

Just at this time all plant growth is at its lowest point, therefore it becomes necessary to pay particular attention to the plants' requirements. Do not water until the condition of the soil demands it, then it should be done



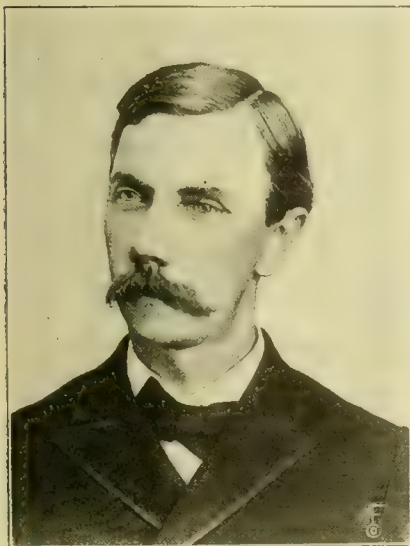
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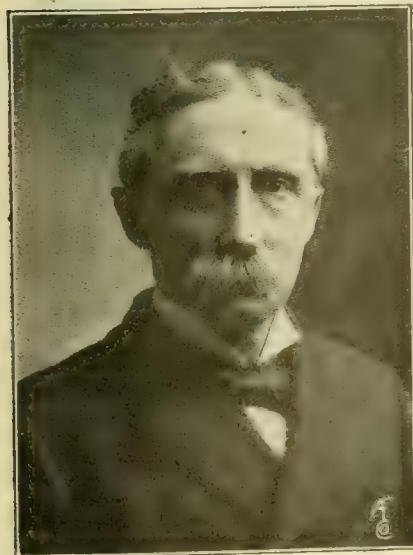
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Chairman Tariff and Legislative Committee.
PRESIDENT ASMUS AND HIS PRINCIPAL APPOINTEES.



Wm. F. Gude, Washington, D. C.
Washington Representative of the Society.

thoroughly. Also keep a sharp lookout for insects of every description, even though they are not visible. It is well to keep up the fumigating regularly about every two weeks as a precaution. Later in the season with the extra plant growth it is very difficult to rid the plants of insects after they have once got a foothold.

C. W. JOHNSON.

THE ROSE.

Grafting Roses.

The manetti stocks should be in readiness to work from the first to the fifteenth of January for a good early start, and all of the grafting should be accomplished not later than the last of February. From the first of March on one will find it rather difficult to make good strikes. By grafting early one can have all the heat necessary and the case doesn't have to be shaded close to the glass as would be necessary later when the sun is much stronger.

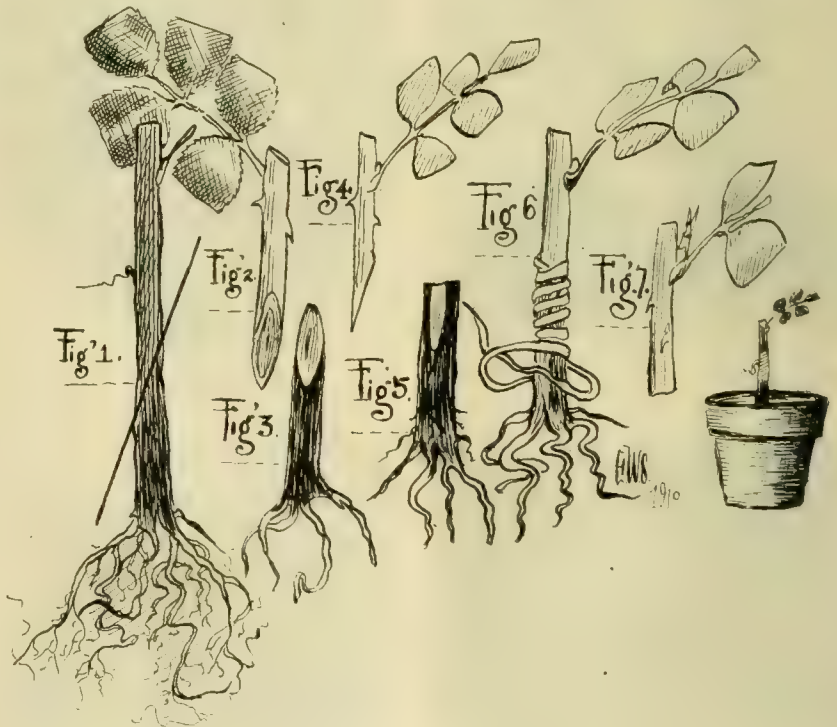
Manetti stocks should be potted off in 2½-inch pots in good rose soil, one-fourth well rotted cow manure, three-fourths soil; keep the stocks shaded after potting and at a temperature of 45° to 50° until they begin to show some root action when the eyes begin to plump up after they have been potted two or three weeks—by knocking out the plants with the swelled buds, one usually finds that there are short fibrous roots started: this will indicate the proper stage of root action to start working the stocks. The necessary tools for grafting are two sharp knives, one exceedingly sharp for shaping the scions, as a clean cut is necessary, a shallow basin filled with fresh water and a clean jar to place the wood in filled with clean cold water.

The best scions are those taken from a flower stem where the buds have been removed. One should leave an extra eye on the plants when cutting the flowers for this work. After removing the scions they should be placed into the larger jar of fresh water and then made up and placed in the shallow basin so as to be handy to pick up. The illustrations accompanying this article will clearly illustrate the manner of making the various splices, etc., and will be found accurate. We are also illustrating a simple lean-to grafting case and a double grafting case which may be a help to those doing their grafting for the first time. Before starting to graft the case should be prepared and in good working order. Whitewash the case inside, filling every crevice with lime wash applied hot. A little sulphur can be used with the lime when slaking it. Be careful in constructing the case and try to make it as near air tight as possible. Have the sashes fit snugly, and all the cracks covered with laths. It will be necessary to stretch some wires across the top of the case under the cross bars. They will prevent the case from warping and must be drawn tightly. To confine the heat under the case use building papers fastened on with strips and leave a small hole at each end, or one corner can be arranged to lift up in order to get at the valves to decrease or increase the amount of bottom heat. The bottom

of the case should be covered with a layer of moss an inch deep and over this a layer of finely screened coal ashes from one-half to 2½ inches in depth, according to how hot the case may get in testing it. There should be enough bottom heat used to be able to maintain a temperature of 80° inside the case when the weather is down to zero outside, 75° being a good temperature to run the case at for the first eight or ten days, then reduce to 70° gradually for another week, then to 65°, and by adding the slightest crack of air after twelve to fourteen days the graft will gradually harden off. The principal things to remember are to have plenty of moisture in the case, give the ashes a soaking before sitting any plants in the case. Be sure that there are not any leaks that will let the hot dry air in from below. Do not put unevenly watered plants in the case—water very carefully. Place grafts in case as soon as a small flat full is made up, arrange the plants inside so that the foliage will not overlap the next plant to it. Do not let the case get below 75° for the first ten days. In about ten days the manetti growth will be found coming from the base of the plants. These growths should be removed as soon as they get a half an inch in height. Open one sash at a time and work as rapidly as possible in doing this work, so as not to have the scions wilt.

have ripened or turned dark; from three weeks (about the time to do some airing) till about the fourth week will test the skill of the man in charge of the grafting case. Use raffia for tying and cut it in lengths about a foot long, place the raffia in water to soften it. Be sure that your scion fits all the way on one side of the cut, matching the bark on the manetti. If small scions are used, they can also be spliced as shown in figure five. The notched splice, figures two and three, represent the best method of splicing, but as we can not always match the wood evenly we use the smaller scions as shown in figures four and five. Tie firmly and do not bruise the bark of the scion by tying too tightly. Remember to temper the water when spraying the plants in the case, otherwise the temperature will drop too rapidly. It is a good plan to have a case large enough so as to be able to remove the plants farthest advanced into a cooler end of the case. Do not put air on the house when airing the grafting case, and if the ashes in the case become too dry take out a few rows and go over the case, working the plants over as you water the ashes. This is seldom necessary if sufficient moss and ashes have been placed in the case at the start and watered thoroughly.

We are also illustrating in this article a drawing of a propagating bench



GRAFTING ROSES.

After cleaning off one frame full of plants spray them over the top and close the case for a while. If the scions show a tendency to wilt in giving air to the case one cannot be too careful. The thickness of a label to start with pushed under the edge of the sash will be enough for the first day, and the case should not be aired until the callous at the top of the scions

with brick bottom. The bricks are placed on scantlings running crosswise the bench. Place the bricks as close together as possible, then cement all the cracks. Use three inches of sand and use paper or boards to close in the bottom heat. With boards doors can be arranged to regulate the bottom heat as well as the overhead temperature. Figure eight represents a two-

eyed cutting. They can be made with two or more eyes, but we prefer to have a heel or an eye left at the base of the cuttings. Figure nine represents the usual method of making a cutting of American Beauty. This is a one-eye cutting. They can also be made with two eyes when one has plenty of wood, and we prefer the two-eyed cuttings to any other when working up Beauties.

E.

HOLIDAY TRADE.

FREDERICTON, N. B.—The increase in the total sales this Christmas, states John Bobbington & Son, will show an advance of 25 per cent over the preceding one. The quality of the flowers was no better than usual with the exception of lily of the valley which was never so good, but the prices were much higher for we never had to pay so much for stock either in Boston or Toronto and consequently had to sell at higher values. The local supply was short and we had to buy heavily. American Beauty roses we could not get at any price. The demand for bulbous flowers was less than usual. Paper White narcissus were used for church decorations. There was an increased demand for flowering plants, but little call for palms and decorative stock, and violets more called for than in previous years. The demand at Christmas is for red, there being a craze for poinsettias and red carnations, the latter selling for \$2.00 per dozen. If we are in existence another year we intend to be better prepared in these two lines. The weather could scarcely have been worse on Saturday afternoon, for it poured, but Sunday was much improved.

RALEIGH, N. C.—J. L. McQuinn & Co. state that the Christmas sales are larger than last year, but there has not been a chance to figure out the percentage. There were not enough carnations and violets to supply the demand, and the retail prices were consequently higher, the supply and prices of roses about the same as before. There were enough bulbous flowers to fill all orders at fair prices. There was a marked increase in the demand for violets and carnations, which are always short at Christmas and for flowering plants, especially poinsettias in pans, azaleas, hyacinths and narcissus. We are going to try to induce our trade to allow us to deliver the plants on December 23, at least, not later than the morning of December 24, as the rush for both plants and cut flowers coming the last day makes it difficult to handle the business satisfactorily. We think every florist should begin an educational campaign on this line. The weather was bright and cold and the business was the most satisfactory that we ever had.

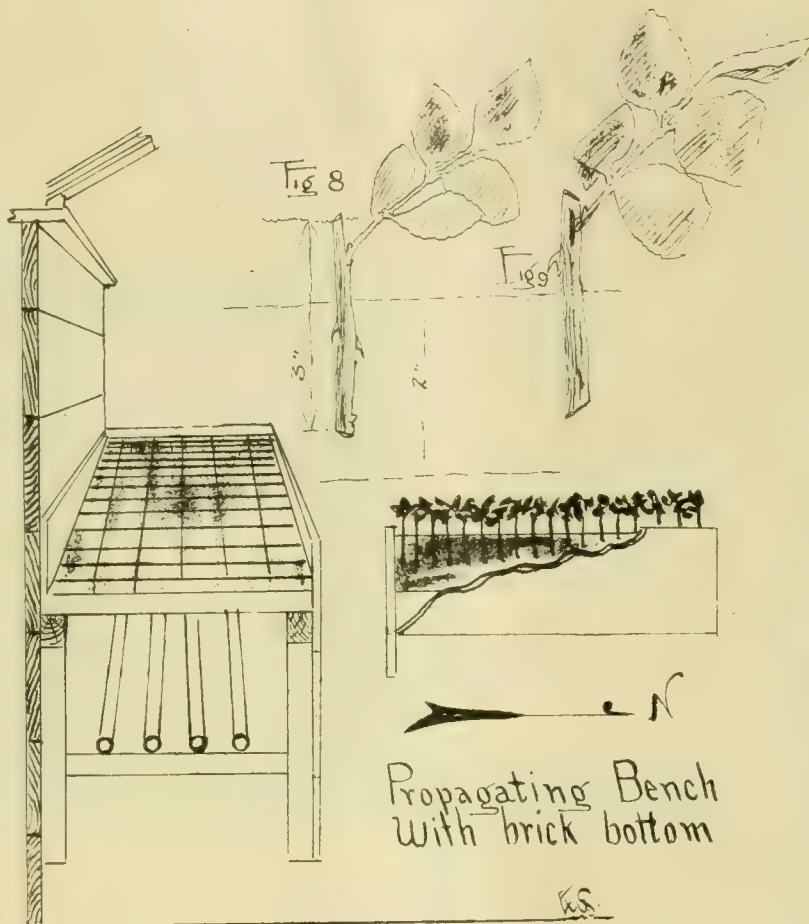
KEARNEY, NEB.—A marked increase in the sales of this year states the Kearney Floral Co. over the last holiday trade being about 35 per cent greater. The quality of the flowers was about the same as last year and the supply about equalled the demand with the exception of Roman hyacinths, of which there were too many. The prices were about the same as at last Christmas but red carnations, however, were higher. There was an increased demand for flowering plants and not so much call for palms and ferns. In a small town there is bound to be some dissatisfaction shown at the higher prices, but those who thought that they could not afford flowers bought holly wreaths and flowering plants. The weather was fine and with the aid of the proprietor's touring car for deliveries the work was made comparatively light. Every-

thing is promising for 1911 and the building of two new houses is contemplated.

DALLAS, TEX.—An increase of 25 per cent is the report of The Texas Seed & Floral Co. in the holiday business of 1910. There was a good supply of flowers, equal to the demand, of first class quality and the retail prices ruled

pickle any stock, so everything at Christmas was nice and fresh.

DENVER, COLO.—Nearly the same as at Christmas, 1909, states the Park Floral Co., with possibly a slight falling off. The prices this year were practically the same, with the exception of carnations, which were a little cheaper, and the supply was of good



PROPAGATING BENCH AND ROSE CUTTINGS.

about the same as last year. The demand for bulbous stock was very moderate, with a good supply. The largest call was for carnations and the cheaper and medium priced roses. There was a large increase in the demand for blooming plants, especially poinsettias, which were all sold out, begonias and cyclamen. Made-up baskets of blooming plants decorated with fancy mats were popular and sold well. The moderate priced stock had the better sale, there not being much call for the high priced roses such as American Beauty. There was a good demand for holly and Christmas trees.

PEORIA, ILL.—An increase of about 10 per cent, states Juergens & Co., in the business this year over last at Christmas. The retail prices of roses and carnations were higher than last year and while the supply of roses was plentiful enough with the exception of American Beauties, there was a shortage of carnations and violets. There were plenty of bulbous flowers but they sold well, especially Paper White narcissus. The roses this year were of better quality than last, but the carnations were not so good. There was an increased demand for cut poinsettias and narcissus. Azaleas and cyclamen sold well and at good prices. Business was good all through the month of December and there was no chance to

quality and equal to the demand except in American Beauty roses. There were plenty of lily of the valley, Paper Whites and Roman hyacinths, but no tulips. The call for medium American Beauties was heavy. There was an increased demand for Begonia Gloire de Lorraine and a good call for all flowering plants. The demand for cut flowers falls off a little each year. There was practically no lycopodium and we found our customers took readily to the use of spruce and other native greens.

SAVANNAH, GA.—A. C. Oelschig & Sons state that as near as they can estimate the holiday trade will show an increase of about 25 per cent. Owing to very favorable weather the quality of the cut flowers was better than in former years, roses especially. We had to buy considerably in the east for the demand was more than the supply, notwithstanding that we had more and better stock than ever before of our own raising. Pot plants of bulbs and cut flowers sold well, the supply being sufficient. The retail prices were about the same on all stock as last year. Made up pans and poinsettias sold better than in former years, the customers were shy of buying begonias and azaleas for Christmas gifts, but the latter had a very good sale for cemetery purposes.

LONDON, ONT.—J. Gammage & Sons state that the business this year during the holidays will show an increase of 35 per cent over last. The flowers were of better quality and the prices averaged about the same. Roses and carnations were in fair supply but violets were short, not equal to the demand. There was very little call for bulbous flowers. There was a marked increase in the demand for both decorative and blooming plants, especially for azaleas and basket arrangements which took the lead. The buying started much earlier with a call for the better quality and higher priced stock. The weather was ideal, good sleighing and not too cold. It was the best business we ever had.

FALL RIVER, MASS.—An increase of 10 per cent over the Christmas sales of 1909 is the report of C. Warburton. The retail prices for cut flowers were about the same as last year, the quality of most of the stock being better. The only shortage was in violets and the quality of these was not as good as the year previous. The demand and supply of bulbous flowers were small. There was increased call for violets and orchids, and for flowering plants and basket combinations. The demand for flowering plants seems to be more every year. A fire in an adjoining store was detrimental to our business on Friday and Saturday, the cellar being flooded and everything smoked up.

PORTLAND, ME.—L. C. Goddard reports the trade at Christmas was about the same as last year, showing little change. There were plenty of roses, but carnations and violets were short, the quality was better and the prices from 10 to 20 per cent higher than last year. The call for bulbous flowers was light and the supply bountiful. The demand for fine carnations is constantly increasing as it also is for blooming plants, but there was less call for decorative stock. The heavy rain of Saturday night on eight inches of snow made one of the worst days for business ever experienced. Had we had fair weather the trade would have shown an increase over 1909.

PUEBLO, COLO.—G. Fleischer reports that the Christmas trade increased this year from 10 to 15 per cent. The retail prices were a little better than the year previous, as well as the qual-

ity of the stock, of which there was a good supply except violets, which were all shipped from the east. The supply and demand for bulbous flowers was good, especially narcissus. There was an increased demand for both decorative and flowering plants, azaleas up to \$3.00 and cyclamen at \$1 and \$1.25 sold well. Made up baskets or jardineres filled with flowering plants are too expensive. The trade demands smaller flowering plants up to \$3.00 in value.

PORTLAND, ORE.—An increase of 25 per cent in the trade this year over last is the report of Clarke Bros. The retail prices of roses, carnations and violets were practically the same as last year and there was just about enough stock to go around. The supply of bulbous stock was small, and with the exception of lily of the valley was not needed. Red carnations were as usual in the greatest demand. The immense stock of pot plants relieved the pressure on the cut flower market in a very agreeable way. Plant basket arrangements seemed to be more popular than ever with the best buyers, there being a large number sold.

COLORADO SPRINGS, COLO.—Frank F. Crump reports that the sales during the holiday trade were greater than a year ago. There were just about enough roses and carnations to meet the call, with the exception of American Beauties which were scarce. Violets also were short of the demand. The quality of the flowers and the retail prices were about the same as last year. There was a marked increase in the sale of good flowering plants and made-up pans and baskets of assorted plants sold well. The best sellers were poinsettias and azaleas, but there were also good sales of begonias and primroses.

WINONA, MICH.—A much larger Christmas business than last year, reports John Fuhlbruegge, the increase in sales being about 30 per cent. The retail prices this year were much higher, at least 20 per cent, and the quality of the flowers was about the same, perhaps a little better. The supply of all stock was about equal to the demand, except the red flowers which were short. Narcissus sold very well. There was a big call for flowering plants and ferns, poinsettias taking

the lead. The wholesale prices of flowers were altogether too high. If prices had been lower we could have done much more business.

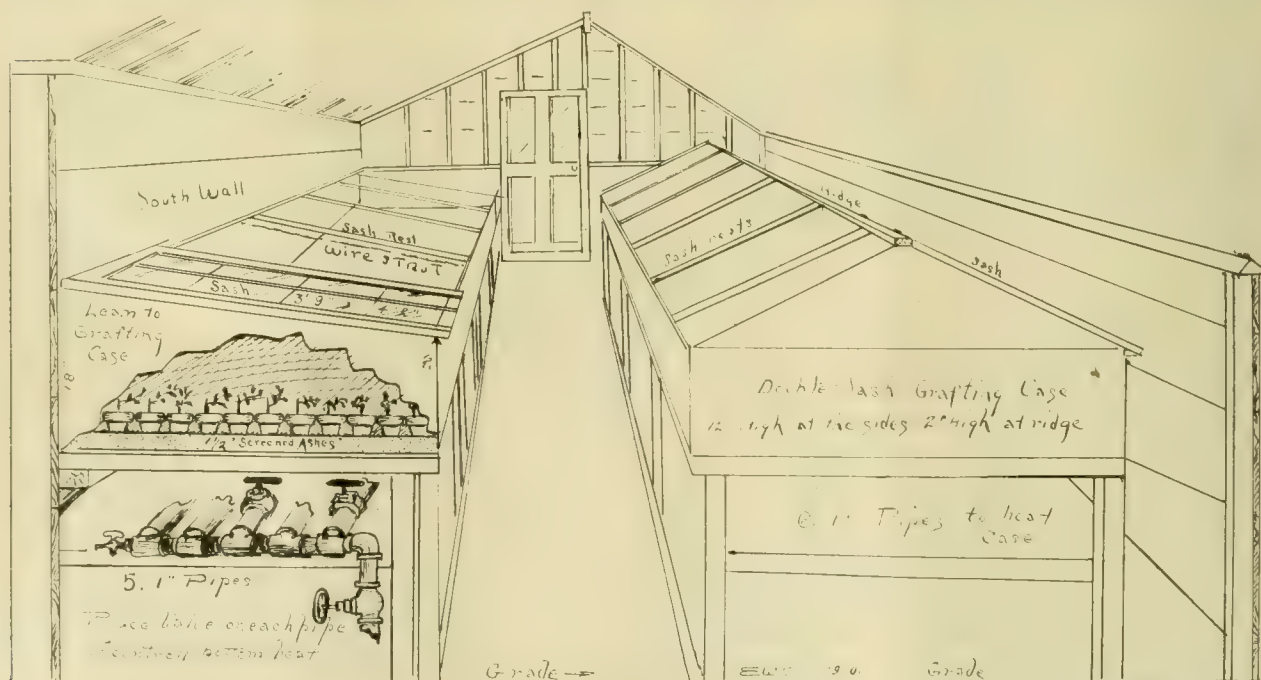
VICTORIA, B. C.—The Fairview Esquimalt Greenhouses, writing December 26, say they do not yet know whether the total sale will show an increase or not. The retail prices were the same except red carnations which sold at \$2.00 per dozen. The quality of the cut flowers was about the same as last year, but the supply did not equal the demand, it never does, we don't get any sunshine from September to March, and very little the balance of the year. The supply of bulbous flowers was good but they all sold. Carnations were the popular flowers and took the lead, there being an increased demand for them.

POUGHKEEPSIE, N. Y.—The total sales for the Christmas business were much larger than last year, states the Saltford Flower Shop, the percentage not yet being available. The retail prices were about the same as a year ago and the quality of the flowers was good. Carnations were shy, but roses and violets were plentiful. There was a fair demand for bulbous flowers. There was an increased call for plants both blooming and decorative kinds. The real poinsettias took the lead this year; the people are tired of the artificial ones.

GREELEY, COLO.—The Garner Floral Co. report an increase of 50 per cent in the total sales at Christmas over the preceding year. The quality of the flowers and the prices were about the same as last year. The supply of bulbous flowers was good, but there were not enough roses, carnations and violets to meet the increased call. There was a greater demand for plants than at the holiday season a year ago.

COLUMBUS, O.—John R. Hellenthal reports that the Christmas trade was the best he ever had. There was plenty of good stock. The call for flowering plants was good, azaleas and poinsettias taking the lead.

SALEM, ORE.—The Christmas business was better than ever before by 50 per cent, states Ruef Bros. The supply of roses, carnation and violets was far short of the demand. The quality



ENCLOSED CASES FOR GRAFTED ROSES.

of the flowers was better than last year, as were also the prices obtained. Bulbous flowers sold well for the people were forced to take them because the other flowers were gone. There was an increased demand for plants and cut poinsettias.

OBITUARY.

Frederick Dorner, Sr.

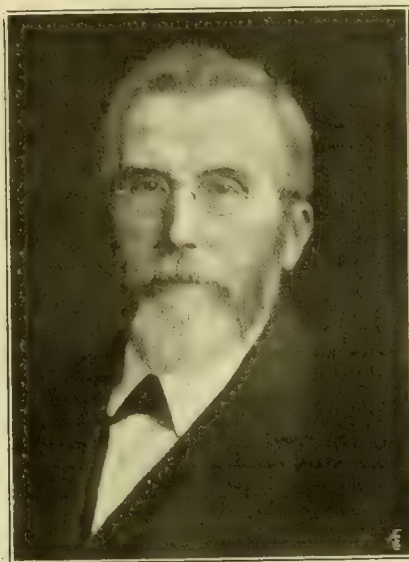
Frederick Dorner, senior, the eminent carnation authority, died suddenly December 29 at his home in LaFayette, Ind., having been confined to his bed only a week. Pneumonia and heart failure were the direct causes of his death, although he had been failing for nearly a year. Last January he had a severe attack of the grip from which he never entirely recovered. He was able to be up and around at times and at other times was confined to the house. On December 23 he was taken quite ill and rapidly grew weaker until the end came. His death, however, was not expected and was a great shock to his family and friends.

Frederick Dorner was born in Baden, Germany, November 29, 1837. He was the son of Frederick and Christina Dorner. When 18 years old he decided to emigrate to America where the possibilities for advancement were greater than in his own land and he set sail for the United States, going directly to LaFayette where a brother, Philip, had previously settled. Very early in life he was a great lover of nature, having something of a poetic temperament in that he dearly loved flowers. He liked to see them grow and to cultivate them, but unlike the poet, he also saw the great commercial side of this prodigal beauty of plant life and sought to turn it to account with the result that he began working for the florist, Lloyd, with whom he remained for a short time and then worked at other things until he had a start. On March 2, 1861, Mr. Dorner chose a life partner in the person of Marguerita Eihl, daughter of Lawrence Eihl, of LaFayette, and would have celebrated his golden wedding in a short time.

After following farming for some time Mr. Dorner in 1865 went to Wisconsin and engaged in farming until 1870, in which year he returned to LaFayette and started business as a florist at Gaasch's garden on Underwood street, where there were already greenhouses which he rented. About 1875 he moved to the south side of Indiana avenue, renting ground on Nineteenth street of the late Moses Fowler. Here he built a greenhouse and carried on his business very successfully. On the death of Mr. Fowler he moved, buying land of Martin L. Peirce, consisting of nine acres on Indiana avenue. This was in 1889. Since that time he added to his original purchase from year to year until his holdings became very extensive and valuable. In 1905 he purchased 24 acres at Twenty-fourth street and Indiana avenue and built greenhouses there. When Mr. Dorner started in business at Nineteenth street on the north side of Indiana avenue he had three houses and about 7,000 square feet of glass. This was in 1890. The growth of his business since that time has been phenomenal. At the present time the Dorner company has over 100,000 square feet of glass and Mr. Dorner built himself a handsome residence at Nineteenth street and Indiana avenue, where he died. The Dorner company has had a downtown office and retail establishment for a number of years at 640 Main street. Since 1890 Mr. Dorner had made a specialty of carnations.

Mr. Dorner, better known to the trade far and wide as Father Dorner,

was one of the most lovable of men, kindly and considerate of all. It is told of him that for many years he carried his noonday lunch from the house close by to the potting shed where he sat and ate at the same humble bench as his workmen. Unobtrusive to the last degree, he loved his home and his work; he loved flowers and music; he had no enemies. His achievements in floriculture, living and real, afford the best evidence of his unceasing industry. His work was painstaking and thorough, and thus he triumphed. He worked upon the chrysanthemum and helped very considerably in bringing up that flower to the zenith of its popularity in America some years ago. Among his introductions early growers will recall Mattie Bruce, Anna Dorner, Emily Dorner, Mermaid, Eda Prass, Evaleen Stein, Mrs. C. H. Duhme, Sarah Hill, Major



The Late Fred. Dorner.

Bonnaffon, E. M. Bigelow, Millbrook, Mrs. S. T. Murdock, Oakland, Elma O'Farrell, Amaranth, Mrs. W. C. Egan and Tippecanoe.

But the carnation was always his favorite and to this flower he gave his best years and his most persistent application. His careful contributions to the first volumes of THE AMERICAN FLORIST record much of the early history of the carnation and its cultivation as a greenhouse subject. His views on and experiences in "Carnation Breeding," perhaps his latest and most important contribution to the literature of the carnation, are given in THE AMERICAN FLORIST of April 13, 1907, page 596. The varieties of recent years are too well known for mention here, but most of his earliest productions, wonders in their day, are superseded and forgotten. In 1891 he gave us Cherry Lips, Creole, Fred Dorner, Mrs. Harrison, Innocence, Edwin Lonsdale, Red Cross, San Mateo, White Wings and Annie Wiegand. The following year we have Mme. Diaz Albertini, Attraction, Ben Hur, Evangeline, Nancy Hanks, Mrs. Robt. Hitt, Indiana, Mrs. Eliz. Reynolds, Richmond, Spartan, John Thorpe, Wabash and White Dove. A year later Blanche Edna Craig, Esther, Hoosier, Purdue, Salmon Queen, Wm. Scott, Sea Gull, Sentinel, Dr. Smart and Western Pride. In 1894 there were Goldfinch, The Stuart, Uncle John and A. Wood. In 1895 appeared Bridesmaid, Meteor and Storm King and Mrs. G. M. Bradt was introduced in 1897.

Thirteen children were born to Mr. and Mrs. Dorner, four sons and three daughters still living. The widow also survives. The sons surviving are Frederick E. Dorner and Theodore A. Dorner, of LaFayette, Herman B. Dorner, professor of floriculture in the University of Illinois at Urbana, Ill., and William P. Dorner, of Indianapolis. The daughters are: Miss Emily Dorner and Mrs. Fred E. Hudson, of LaFayette, and Mrs. Claude Riddle, of Los Angeles, Cal. All the children except William P. Dorner were at the bedside when the end came, Mrs. Riddle having come from her California home to spend the holidays with her parents. Mr. Dorner's business was incorporated in 1896 under the laws of the state as the Dorner & Sons Co. Mr. Dorner himself was president. The other officers are: Theodore A. Dorner, vice-president, and Fred E. Dorner, Jr., secretary and treasurer.

Funeral services were conducted at the home January 2 by the Rev. Dr. John P. Hale and interment followed at Greenbush cemetery. The funeral was largely attended and among the trade representatives noted were A. F. J. Baur, secretary of the American Carnation society; Irwin C. Bertermann and H. W. Rieman, Indianapolis, Ind.; W. W. Coles, Kokomo, Ind.; E. G. Hill and Earl Mann, Richmond, Ind.; Prof. J. C. Blair, Urbana, Ill.; Harry Balsley, Detroit, Mich.; R. Witterstaetter, Cincinnati, O., and President Asmus of the Society of American Florists, W. N. Rudd and M. Barker, Chicago. Floral offerings were very numerous and handsome and included a beautiful spray of cypripediums and white carnations from the executive committee of the Society of American Florists. The pallbearers were W. N. Rudd, Earl Mann, Irwin Bertermann, Prof. Blair, S. Saltzgeber and W. W. Lane.

John J. Gormley.

John J. Gormley, a member of the concern of Canger & Gormley, one of the leading retail firms of Chicago, died very suddenly, December 31, 1910, of stomach trouble, at his home, 2636 Orchard street, after an illness of three weeks, aged 47 years.

Mr. Gormley was born in Ireland, September 3, 1863, coming to America in boyhood. He went to work for his uncle, John Gormley, one of the pioneer florists of Boston, where he obtained a thorough knowledge of floriculture in both the greenhouses and the store of his employer. Here he remained a number of years, and in 1890 removed to Chicago, entering the employ of Ernst Wienhoeber. For fifteen years he was with this firm and in 1905 entered into partnership with John Canger, under the firm name of Canger & Gormley, opening a store at No. 29 State street, where they have built up a very prosperous business. His genial and pleasant disposition, combined with his strictest business integrity, have made him a host of friends in his adopted city, and his horticultural knowledge and artistic ability have gathered to him a large patronage in his business from the best people of the city, by whom he will be greatly missed.

Mr. Gormley was married in Boston, September 15, 1889, and is survived by his widow, Margaret E., and two daughters, Helen and Mary, aged 19 and 14 years respectively. The funeral services were held Sunday afternoon, January 1, at St. Clements Catholic church, there being a large gathering of friends and members of the trade present. The floral offerings were many and beautiful, the casket being banked with the remembrances of associates and friends. The interment was in St. Boniface cemetery.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

THIS ISSUE 52 PAGES WITH COVER

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RENEW subscriptions promptly so that no copies of the papers may be missed.

We are in receipt of the twenty-first annual report of the Missouri Botanical Garden, containing a number of botanical papers.

THE passing of Fred Dörner, senior, the well-known carnation specialist, who died at LaFayette, Ind., December 29, removes from our midst another bulwark of American floriculture. A fine type of citizen, he gave the best years of his life to advancing his profession, more for the love of the work than the money there was in it.

Personal.

Frank A. Friedley, manager of the J. M. Gasser Co.'s establishment at Rocky River, O., and Miss Anna M. Dress, of Cleveland, were married December 28.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high grade work.

American Beauties for Royalty.

One hundred American Beauty roses were shipped from the greenhouses of L. A. Noe of Madison, N. J., for the Christmas table of the Queen Mother Alexandra of England. They are the largest and finest roses and of the longest stems to be found. Those are the specifications under which Mr. Noe's orders for the royal table have been filled every year, at this time, for a long period.

Mr. Noe, himself, selects the flowers and personally packs them. So solicitous is he of his precious product, that he would follow them across the Atlantic if that were possible. Noe roses have been going to the palace of England's sovereign for many years. They went to Queen Victoria when she was alive and King Edward's table was decorated with them every Yuletide.—New York Times.

Cement Gutters.

ED. AMERICAN FLORIST:

Will you kindly inform me if it is advisable to use cement for constructing gutters for a greenhouse?

SUBSCRIBER.

I do not believe it is feasible to use cement for gutters. There is no doubt but what it could be done, but the writer is inclined to think it would be both expensive and unsatisfactory. In the first place there would be the almost certainty of the gutter cracking unless it were carried up on a solid wall, and there would also be difficulties of construction which would make it expensive to carry the heavy weight of a cement gutter suspended.

Another difficulty would be the tendency of the cement to absorb water and remain in a damp condition, thus affecting the woodwork attached to it. No doubt this might be partially avoided, at least, by treating with some of the water proofing preparations, but such a course would be an additional expense and the results more or less doubtful. The main difficulty, however, would seem to be the attaching of the woodwork to the cement gutter; in order to nail or screw the sash bars in place it would seem necessary to anchor a strip of wood along the gutter and one would then have something practically no better than a wooden gutter. If cement walls were used and carried up to the gutter line I should favor preferably anchoring some form of iron gutter to the top, or placing a wooden gutter upon the top.

W. N. RUDD.

American Gladiolus Society.

President Hendrickson has appointed the following committee to investigate the diseases of the Gladiolus, each member to work in connection with the experiment stations in the different states:

New York.—Arthur Cowee, Berlin, N. Y.

Ohio.—M. Crawford, Cuyahoga Falls, Ohio.

Wisconsin.—H. H. Bridge, Lake Mills, Wis.

Massachusetts.—L. Merton Gage, Orange, Mass.

Indiana.—E. Y. Teas, Centerville, Ind.

Michigan.—C. H. Ketcham, South Haven, Mich.

Connecticut.—B. F. White, Terryville, Conn.

Iowa.—G. D. Black, Independence, Iowa.

New Jersey.—I. Leonard, Iona, N. J.
California.—Dr. W. Van Fleet, Chico, Calif.

Illinois.—H. B. Dörner, Urbana, Ill.
L. Merton Gage, Cor. Sec'y.

Society of American Florists.

DEPARTMENT OF REGISTRATION

As no objections have been filed, public notice is hereby given that the registration of the Geraniums, Panama, White Cloud, Ruby, General Wooster, Barnaby Rudge and Bright Eyes, by F. H. De Witt, Wooster, Ohio, becomes complete.

PRESIDENT ASMUS'S APPOINTMENTS.

The following is President Asmus's list of appointments for 1911:

Executive Board, Three Years.—E. Allan Peirce, Waltham, Mass.; Harry A. Bunyard, New York, N. Y.

Botanist.—Prof. John F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist.—Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist.—Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society.—William F. Gude, Washington, D. C.

Tariff and Legislative Committee.—John G. Esler, Saddle River, N. J. (Chairman); F. H. Traendly, New York, N. Y.; J. C. Vaughan, Chicago, Ill.; Patrick Welch, Boston, Mass.; J. O. Thilow, Philadelphia, Pa.; E. G. Hill, Richmond, Ind.

Committee on School Gardens.—Benjamin Hammond, Fishkill-on-Hudson, N. Y. (Chairman); C. B. Whinnall, Milwaukee, Wis.; Michael Barker, Chicago.

State Vice-Presidents.

California.—Edwin Lonsdale, Lompoc.
D. of C.—Z. D. Blackstone, Washington.
Georgia.—Daniel C. Horgan, Macon.
Illinois, North.—Fred Lautenschlager, Chicago.
Illinois, South.—J. F. Ammann, Edwardsville.
Indiana.—Theo. Dörner, Lafayette.
Iowa.—James S. Wilson, Des Moines.
Louisiana.—Harry Papworth, New Orleans.
Maryland.—Chas. L. Serbold, Baltimore.
Michigan, East.—Norman A. Sullivan, Detroit.
Michigan, West.—Elmer D. Smith, Adrian.
Missouri, East.—Fred H. Weber, St. Louis.
Mississippi.—S. W. Crowell, Rich.
N. H.—R. E. Hannaford, Portsmouth.
New York, East.—A. L. Miller, Brooklyn.
Ohio, North.—F. A. Friedley, Rocky River.
Ohio, South.—C. E. Critchell, Cincinnati.
Penn.—East.—S. S. Skidelsky, Philadelphia.
Rhode Island.—L. J. Reuter, Westerly.
Tennessee.—C. L. Baum, Knoxville.
W. Virginia.—A. Langhans, Wheeling.

Canada.

Ontario.—John Connors, Hamilton.
Manitoba.—H. E. Philpott, Winnipeg.
Quebec.—George A. Robinson, Montreal.
Alberta.—A. M. Terrill, Calgary.
H. B. DÖRNER, Sec'y.
December 29, 1910.

Growing Delphiniums From Seed.

ED. AMERICAN FLORIST:

What is the best way and when the best time to plant seed of Delphinium Elatum hybridum? I have sown the seeds several times and they do not germinate. Do they require some special soil? S. H.

This is much better deferred until early spring, say middle of February and especially is this so if the strain is of choice hybrid origin with a percentage of double flowered seeds mixed in. These last are always more difficult to germinate, usually weaker in starting, and when saving delphinium seeds, those from double flowers should always be kept separate so as to treat them with care and the weak ones carefully saved, they are generally the best varieties. Sow under glass in the usual way, preferably in flats, etc., so as to give plenty of space, transplant when large enough into other flats, and in May plant out where they are to bloom, and a fine display will result late in summer after older plants have passed flowering. It pays to raise some every year from seed, selecting the best to keep for seed, as these spring sown plants will mature good seed the same year.

E. O. O.

Meetings Next Week.

Baltimore, Md., January 9, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.
Butte, Mont., January 13.—Montana Florists' Club, Columbia Gardens.

Chicago, January 11.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

Cincinnati, O., January 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., January 9, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Hartford, Conn., January 13, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., January 10, 3:30 p. m.—State Florists' Association of Indiana, State House.

La Crosse, Wis., January 10.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Madison, N. J., January 11, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New London, Conn., January 11.—New London County Horticultural Society, Elks' hall.

New Orleans, La., January 8, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, January 9, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, January 11, 4:30 p. m.—Horticultural Society of New York at American Institute rooms.

Omaha, Neb., January 12, 8 p. m.—Omaha Florists' Club, City Hall.

Rochester, N. Y., January 9, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Springfield, O., January 9.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., January 12, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., January 11.—Toledo Florists' Club.
Winnipeg, Man., January 11.—Winnipeg Florists' Association.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By competent florist; single; 12 years' experience in greenhouses; good propagator; best of references. Address Key 365, care American Florist.

Situation Wanted—Young gardener well versed in European and American culture, wants private position; best references. Address Key 364, care American Florist.

Situation Wanted—Carnation grower, one capable of taking charge of section, wishes to secure situation at once; can furnish all references. Address Key 363, care American Florist.

Situation Wanted—Grower with six years' experience and capable of taking charge wishes to secure situation immediately. Experienced in the growing of carnations, chrysanthemums and bedding stock; honest and willing to work. Address Key 367, care American Florist.

Help Wanted—Gardener for place of ten acres near Chicago; must have good practical knowledge of ordinary landscape gardening fruit and vegetable culture, and general care of home grounds. Address Key 368, care American Florist.

Help Wanted—A wide-awake man who is capable of managing a well established florists' wholesale commission house in the west; must be a hustler; prefer one who is willing to put a little money into the business; a splendid opportunity for the right man; salary and commission. Address Key 362, care American Florist.

For Sale—Well established retail seed store; bargain if taken at once; location, Cleveland, Ohio. Address Key 366, care American Florist.

For Rent—My home farm 83 acres on macadam road close to town; land in fine condition, suitable for garden, poultry or small dairy; have 70 acres of good meadow land close by, for rent, in addition if wanted; good water supply and fine home market. R. DADY, Waukegan, Ill.

GROWER WANTED

We want a section man for two new houses, one that can turn out the goods. Address

Key 355, care American Florist.

Help Wanted.

Good general man for commercial establishment in the south. Will pay \$60 per month. State age and full particulars.

Key 359, care American Florist.

Commercial or Private Place.

Young man thoroughly qualified in all lines of commercial floriculture and private gardening, is open to engagement. Single; excellent references. Address

Key 348, care American Florist.

High Class Retail Florist

Thoroughly experienced first-class maker-up and salesman can find employment at Fleischman's, 500 Fifth Ave., New York. Wages \$25 per week and better to the right man.

Advertiser

has good opening for a man competent to take charge of several greenhouses, stock, decorative plants, and attend to decorations and general retail work. Good opening for hustling man. Address Key 354, care American Florist.

Head Gardener

Thoroughly practical florist, gardener with 22 years' experience in every line of horticulture, single, sober, best of references; please state particulars and salary in first letter. Address

Key 353, care American Florist.

Grower and Manager

An experienced grower of all lines of commercial greenhouse stock is open to engagement as manager or foreman of a modern establishment. References of the best character and full particulars on application. Address

Key 360, care American Florist.

Head Gardener

33 years old; single, with 20 years' experience on private estates and commercial places from Germany, Switzerland, Sweden, France, England and United States with first class references from each place, is now open for engagement on private estate until April 1, 1911.

Address Key 352, care American Florist.

Outdoor Man Wanted.

Thoroughly competent, for the usual run of work that the retail florist is called upon to do around private houses and gardens during the spring and summer months. Permanent place and good wages to the right man. Must have had experience in this line. Address

Key 361, care American Florist.

Representative Wanted.

One of the best Dutch bulb growers, with large growers, special in the best qualities of Hyacinths Early and Darwin Tulips wishes to secure a first-class agent in the United States of America and also in Canada on an entirely commission basis; solicitors must be thoroughly acquainted with the principal buyers. Address

Key 357, care American Florist.

Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

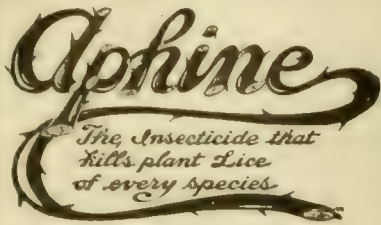
—PUBLISHED BY THE—

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid



Read What Experts Say OF APHINE:

"Horticulture" Dec. 17, (page 862) on "Fruit and Vegetables Under Glass."

"Horticulture" Dec. 24, (page 899) on "Care of Palms and Foliage Plants."

"American Florist" Dec. 24, (page 1095) on "Violet Culture."

"Florists Exchange" Dec. 24, (page 1166) on "Beneficial Sprayings for Mums, Carnations and Palms."

\$2.50 per gallon; \$1.00 per quart.

FUNGINE

An Infallible Fungicide for Mildew and other Fungus Diseases. Particularly adapted for greenhouse purposes. A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon; 75c per quart.

Sold by Seedsmen.

MANUFACTURED BY

Aphine Manufacturing Co.
MADISON, N. J.

Cincinnati.

Holiday business was good. The early part of last week nearly everything cleaned out nicely. At the close of the week much funeral work took up all roses, carnations, lilies and a lot of bulbous stock and lily of the valley. Paper whites and Romans are, however, accumulating. The general quality of the roses has never been better for this season of the year. American Beauties, Killarney and Richmond deserve special mention. Pink roses have been in especial demand. The supply of carnations was just about one-half of the normal cut of other years. The prices held up steadily until the close of the week when they shaded somewhat. More double violets have been on hand than are necessary for requirements. Princess of Wales are not coming in very strong and clean up every day. The amount of poinsettias about equaled the request. Longiflorum lilies sold nicely and were in fair quantities. Callas are none too plentiful as yet. Lily of the valley does not attract the eager grasp of the buyers. The supply of green goods is ample. Boxwood is again offered in quantities.

NOTES.

Wm. Spech was very fortunate when his new Stoddard-Dayton car was among the first of the machines to be taken from the Payne Motor Car Company's garage which was at the time threatened by the big fire and later overwhelmed by falling walls.

Billy Spech had quite a large time at his home on Alexandria Pike just out of Newport when on Thursday evening, December 15, he entertained many of his friends including several florists in honor of the marriage of his daughter. The Dutch bulb agents are now arriving in force, each of them asserting that his stock is the best of all and

Don't Forget, in the Rush

That You'll Need Stock Later on.

For example, there's your

Manetti

For winter grafting. We offer English at \$12.00 the thousand; French at \$10.10. Both good; 3 to 5 millimeters; smooth, evenly graded, disbudded, well-rooted stocks, especially selected for florists' grafting.

Lily of the Valley

Reichsneider's Exposition, \$14.00 the thousand (1,700 to the case).

Perfection, \$12.00 the thousand (2,000 to the case).

Holsatia, for storage and later forcing, \$11.00 the thousand (3,000 to the case).

Write and make known your wants. We are Growers for the Trade, and sell only to the Trade. Use printed stationery.

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen,

NEWARK (Near Rochester), NEW YORK

Lilacs

Imported, pot-grown, for cut flowers; bushy, suitable for 7 or 8 inch pots, 50c each; \$5.00 the dozen, Charles X only.

Half-Standard Roses

Baby Rambler and Mrs. Cutbush, 50c each; \$5.00 the dozen. No better at any price. Full Standard Baby Rambler, same.

Bush Roses

Fine assortment leading H. P.'s like Bruner, Charta, Druschki, etc.

Also Hybrid Teas, Ramblers, Dorothy Perkins, etc.

Boston & Whitman Ferns

From 2, 3 and 4-inch pots, \$3.00, \$6.00 and \$12.50 per 100.

Superbissima, 5-inch 20c; 6-inch, 35c. Dracena Indivisa, 2 1/2-inch pots, fine stock, \$3.00 per 100; \$27.50 per 1000.

Cannas, in ten leading varieties, \$2.00 per 100. Write for special prices in large quantities.

W. W. COLES, Kokomo, Indiana.

Mention the American Florist when writing

Ferns for Dishes

2 1/2-in. Per 100 Per 1000
\$3.50 \$30.00
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Geo. A. Kuhl,

WHOLESALE AND RETAIL
FLORIST,

PEKIN, : ILL.

Mention the American Florist when writing

then backing up his assertion with some strong argument.

The American Beauties that E. G. Gillett received from Heller Bros. of New-Castle were up to their usual high standard of excellence.

The Bloomhurst Floral Co., of Lockland cut Killarney and Richmond roses with two and a half and three foot stems for Christmas.

The Florists' Society will meet at Wm. Murphy's wholesale house on Monday evening, January 9.

P. J. Olinger received some of the largest and best shipments he has had in the last five years.

Miss Margaret Wieland of Evanston, Illinois, is the guest of P. J. Olinger and wife.

C. E. Critchell was long on New York double violets.

Visitors on Jan. 2: W. Sabransky, Kenton; — Perry, of the Grand Rapids Greenhouse Co., Grand Rapids, Michigan, and Wm. Gardner, of New Castle, Ind.

CARNATIONS

Rooted Cuttings

We supply them of even size and well rooted. Orders booked now for January delivery and later.

	Per 100	1000
White Wonder. Our new white....	\$12 00	\$100 00
Gloriosa Our new pink.....	12 00	100 00
Pink Delight.....	6 00	50 00
Scarlet Glow.....	6 00	50 00
Shasta.....	6 00	50 00
Sangamo.....	6 00	50 00
Dorothy Gordon.....	6 00	50 00
J. W. Riley.....	6 00	50 00
Admiration.....	6 00	50 00
White Perfection.....	3 00	25 00
Winona.....	3 00	25 00
Enchantress.....	3 00	25 00
White & Chantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Beacon.....	3 00	25 00

F. DORNER & SONS CO.,
LaFayette, Ind.

Grafted Rose Plants.

3000 Pink Killarney, 1 year old from bench \$5.00 per 100, \$40.00 per 1000.

Rooted Rose Cuttings.

Rooted Pink Killarney, Cuttings, \$2.50 per 100, \$20.00 per 1000.

Rooted Richmond, Cuttings, \$2.00 per 100, \$15.00 per 1000.

Geo. Reinberg

35 Randolph St., CHICAGO.

Boston Ferns...

2 1/2-in. \$30.00 per 1000

WHITMAN FERNS

2 1/2-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2 1/2-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Vaughan's Flower Seeds

Vaughan's International Pansies The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ½ oz., \$5.00; oz., \$10.00.

Vaughan's "Giant Pansy Mixture"

Embraces, besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00.

Vaughan's Cut Flower Pansy Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ½ oz., \$1.00; ½ oz., \$2.00. oz., \$8.00.

Pansy Boulogne Giant

This is a special selection of a French Pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied. Trade pkt., 50c; ½ oz., \$2.00.



	Trade pkt.	oz.
Ageratum, Imperial dwarf blue.....	.10	.25
Imperial dwarf white.....	.10	.25
Blue Perfection, dwarf new.....	.10	.30
Princess Victoria Louise, beautiful blue and white.....	.10	.40
Little Blue star, new, best dwarf.....	.50	
Alyssum, Sweet.....	lb., \$1.25	.05
Vaughan's Little Gem, extra fine strain.....	.10	.50
Asparagus Plumosus nanus, Northern Greenhouse Grown, 1,000 seeds, \$4.00; 100 seeds, 60c.		
Asparagus Sprengeri, 1,000 seeds, 75c; 100 seeds, 15c.		
Balsam, Alba Perfecta. This is the largest and best double white Balsam.....	¼-oz., 20c	.10
Begonia, Single tuberous-rooted giant flowered mixed.....	.50	.60
Double tuberous-rooted, giant flowered, mixed.....	.35	
Vernon.....	¼-oz., 30c.	2.00
Luminosa Gracilis, new, better than Vernon.....	.25	
Gracilis Prima Donna.....	.25	
Berna. The foliage is very dark, flowers are large, bright, carmine red.....	.25	
Erfordii. A splendid bedder. Blooms all summer.....	.25	
Bellis or Double Daisy, Vaughan's mammoth mixture.....	.25	
Vaughan's Mammoth White.....	1-16 oz., 35c.	.25
Vaughan's Mammoth Pink.....	1-16 oz., 50c.	.25
Longfellow dark pink.....	¼-oz., 30c.	2.00
Monstrosa, double white, double pink, new, each 25c.		
Browallia, Speciosa Major.....	.25	
Candytuft, Giant Hyacinth, flowered white.....	.05	.20
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds.....	lb., \$2.00	.10
Celosia, Coxcomb, President Thiers.....	.15	1.00
Pride of Castle Gould.....	.50	
Centaurea, Candidissima (Dusty Miller).....	.25	.75
Gymnocarpa.....	lb., \$2.75	.05
Cineraria Maritima Diamond.....	.10	.60
Cobaea Scandens, blue.....	lb., \$4.00	.10
Clematis Paniculata, White, sweet scented.....	lb., \$6.00	.15
Large-Flowering Jackmanni Hybrids.....	.25	2.00
Coleus, Mammoth rainbow.....	.25	
Large-leaved, mixed.....	.25	
Cyperus Alternifolius, Umbrella plant.....	.15	1.00
Dracaena Indivisa.....	.10	.30
Indivisa Lineata.....	.10	.40
Indivisa Latifolia.....	.10	.50
Australis.....	.10	.60
Daisy, Burbank's Shasta, new Double Fringed.....	.50	
Echeveria, (Hen and chicken), mixed.....	100 seeds, 20c	
1,000 seeds.....	\$1.00	
Metallica.....	100 seeds, 30c; 1,000 seeds, \$2.50	
Secunda glauca.....	100 seeds, 15c; 1,000 seeds, \$1.00	
Feverfew, Matricaria Capensis plenissima.....	.10	.40
Forget-me-not, Vaughan's early and late flowering.....	.10	.50
Fuchsia, double and single varieties.....	200 seeds, 60c	
Geranium, Apple-scented.....	1,000 seeds, \$1.00; 200 seeds, 25c	

	Trade pkt.	oz.
Grevillea Robusta silk oak.....	.10	\$.50
Linaria Cymbalaria (Kenilworth Ivy).....	¼-oz., 40c.	.15
Lantana Hybrids, mixed.....	.05	.15
Lemon Verbena.....	¼-oz., 45c.	.25
Lobelia Crystal Palace Compacta.....	.10	1.00
Speciosa for hanging baskets.....	¼-oz., 15c.	.10
Emperor William, dwarf.....	¼-oz., 25c.	1.00
Bedding Queen, best dwarf.....	¼-oz., 25c.	1.50
Hamburgia.....	.25	
Maurandya, mixed.....	10	1.00
Mignonette, True Machet.....	½ oz., 25c; 2 ozs., 75c.	.10
New York Market, Packet, about 1,000 seeds, 50c; ¼-oz., \$1.00; oz., \$7.00.		
Mimulus (Musk Plant).....	¼-oz., 30c.	.10
Petunia, Giants of California, mixed.....	.25	1.00
"Vaughan's Best" mixture of large flowering Petunias. Trade pkt. (1,000 seeds), 50c.		
Vaughan's large flowering Double Petunias, Trade pkt. (1,000 seeds), \$1.25.		
Pyrethrum aureum, Golden Feather.....	.10	.25
Pyrethrum crispum.....	.15	
Salvia Splendens, Clara Bedman (Bonfire).....	.25	2.50
"Drooping Spikes".....	.25	1.80
Fireball, new.....	¼-oz., \$1.00	.50
Zurich, new, very dwarf and early.....	½-oz., \$1.00	.35
Primula Obconica Grandiflora, mixed.....	500 seeds, 50c	
Large flowering, pink.....	500 seeds, 50c	
Large flowering, pure white.....	500 seeds, 50c	
Gigantea Rosea.....	500 seeds, 50c	
Gigantea Kenesina.....	500 seeds, 50c	
Stocks, large flowering, extra choice, mixed.....	.25	1.25
Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue. Each.....	.25	1.50
"Cut and Come Again."		
One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers.		
White Perfection or Princess Alice, Blood-Red, Brilliant Lilac Pink. Each.....	¼-oz., 40c.	.25
Mixed, the above colors and others.....	¼-oz., 35c.	.20
Prince Bismarck, White.....	¼-oz., 50c.	.25
Smilax, new crop.....	lb., \$3.00	.10
Thunbergia, mixed.....	.10	.40
Torenia, Fournieri Grandiflora.....	¼-oz., 30c.	.10
White Wings, white.....	¼-oz., 30c.	.10
Bailoni.....	1-16 oz., 50c.	.25
Verbena, Vaughan's Best Mixture.....	Trade pkt. ¼-oz., 25c.	.50
Mammoth, mixed.....	.10	.25
Mammoth, White.....	.15	.25
Mammoth, Purple.....	.25	.50
Firefly, scarlet, white eye.....	.15	.40
Defiance, brightest scarlet.....	.10	.20
Dark blue with a white eye.....	.10	.20
Vinca Rosea, Rosea fl. albo and pure white, each.....	.10	.50

New Preliminary Flower Seed List Ready. Please write for same if you have not received one.

10 Per Cent Special Cash Discount. On orders over \$2.00 for Flower Seeds if the cash is enclosed. 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

VAUGHAN'S SEED STORE,
25 Barclay St., NEW YORK.
84 and 86 Randolph St. CHICAGO.
803-805 W. Randolph St.

FOR NAMES USE THE **Trade Directory** Price \$3.00.

Buy Direct of the Grower and Get Fresh Stock

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$8.00
36 inches.....	4.00 to 5.00
24 to 30 inches.....	3.00
15 to 18 inches.....	2.00
8 to 10 inches.....	1.00

Richmond and Rhea Reid

	per 100
Extra long.....	\$12.00
Good lengths.....	8.00
Medium lengths.....	6.00
Short.....	4.00

Maids, Maryland, Killarney, Brides, White Killarney, Kaiserin,

	per 100
Extra select.....	\$10.00
Good lengths.....	8.00
Medium lengths.....	6.00
Good short lengths.....	\$3.00 to 4.00

CARNATIONS

Fancy pink and white.....	per 100, \$4.00 to \$ 5.00
Fancy red, O. P. Bassett.....	per 100, 6.00
HARRISH LILIES.....	per doz. 2.00
".....	per 100, 16.00
Lily of the Valley.....	per 100, \$3.00 to 4.00
Asparagus.....	per string, .50
Asparagus Sprays.....	per 100, \$2.00 to 4.00
Sprengerl.....	per 100, 2.00 to 3.00
Ferns.....	per 1000, 2.00
Smilax.....	per doz., 1.50 to 2.00
Adiantum.....	per 100, 1.00
Galax, Green.....	per 1000, 1.00
" Bronze.....	per 1000, 1.25
Select Pink and White Sweet Peas.....	per 100, 1.00

BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

ZERO WEATHER.

At last a real touch of winter is on us, and the thermometer is flirting with the zero point. The weather probabilities prophesied a blizzard, but there has as yet been no snow, but high winds and low temperature prevail, which will no doubt shorten up the cut and will require lots of wrapping to safely get the flowers to market and guarantee their safe arrival on shipment. But the growers in this vicinity are certainly to be congratulated upon the weather which they have had up to date and during the holidays. The usual after New Years conditions prevail. There is plenty of stock of all kinds and of excellent quality. Superb roses of all varieties have been arriving all the week, and it was a great question, some of the time, where to place the large amount of stock, but the best of the flowers find an outlet and there is comparatively a very small amount but that finds a market. Long stemmed American Beauty roses are very plentiful and all the grades of this leader of roses have dropped considerable in price. Killarneys are coming in large quantities and beautiful long stemmed flowers are sold for less than half what they were bringing a week ago. There is a little more call for white roses, for the retail stores have been very busy with funeral work, which, of course, call for the white. Carnations are now arriving in quantities enough to meet the demand and on some days there is an over supply. Orchids are being received in greater quantities and the prices are considerably lower. Lilies are in good supply but there is a shortage of lily of the valley. Sweet peas are now coming in more bountifully and the usual winter prices rule. Some very fine freesia made its appearance upon the market which was immedi-

Compare Our Prices

and consider our superior quality of Cut Flowers when ordering.

We can please you when all others fail.

Remember we are growers and ship our customers strictly fresh stock, properly packed.

Price List.

Am. Beauties, extra long.....	per doz... \$5.00
30 to 36-in.....	\$3.00 to 4.00
Short.....	1.00 to 2.50
	Per 100
Killarney, White Killarney, Brides, Maids, Richmond.....	4.00 to 8.00
Carnations, extra fancy.....	5.00
Select.....	4.00
Good.....	3.00
Valley, choice.....	4.00
Violets, Double.....	1.50 to 2.00
Single.....	1.00 to 1.50
All Greens, etc. at lowest market prices.	

CHICAGO CARNATION CO.

A. T. PYFFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

ately taken up. The first of the daffodils were seen this week and it will be but a few days when the market will be resplendent with the yellow blooms. The shipping trade is holding up very well and normal conditions for the first of the year prevail. The retail trade has gotten over the holiday season and has been very busy with funeral orders all the week.

NOTES.

The trade was greatly shocked by learning of the death of John J. Gormley, of Canger & Gormley, on Saturday forenoon. He had been ill for but three weeks and it was not thought his ailment was serious, and on Saturday

morning it was reported that he was improving. Many were the encomiums heard from his business associates upon learning of his demise. The obituary appears in another column.

Phil Schupp, of J. A. Budlong's, reports the New Year's business very good with shipping trade excellent. This firm is cutting a large quantity of their Blue Ribbon valley for which the demand is heavy.

H. M. Burt of Jackson, Mich., spent January 3 in the city on business. Mr. Burt intends to erect several greenhouses in the near future and it is understood that his mission here was to secure plans and figures for the same.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

CURRENT PRICES

Subject to Change Without Notice.

AMERICAN BEAUTIES

	Per doz.
Specials	\$5.00
36-inch	4.00
30-inch	3.00
24-inch	2.00
18 to 20-inch.....	1.50
12 to 15-inch, per 100.....	\$8.00 to \$10.00
Short stem	1.00 to 1.50

CARDINAL, Long	\$3.00
Medium	\$1.50 to \$2.00
Short, per 100.....	6.00 to 8.00

RICHMOND, extra	Per 100 \$12.00
Select	\$8.00 to 10.00
Medium	6.00
Good short	4.00

KILLARNEY, extra	\$12.00
Long	\$8.00 to 10.00
Medium	6.00
Good short	4.00

MY MARYLAND, extra.....	\$12.00
Long	\$8.00 to 10.00
Medium	6.00
Good short	4.00

WHITE KILLARNEY, extra.....	\$12.00
Long	\$8.00 to 10.00
Medium	6.00
Good short	4.00

PERLE, long	\$6.00 to \$8.00
Medium	4.00

GOOD SHORT STEM ROSES

Our selection	Per 100 \$3.00 to 4.00
Our Extra special grade Roses charged accordingly.	

CARNATIONS, fancy	Per 100 4.00
" first	\$2.00 to 3.00
" splits	1.50

ORCHIDS, Cattleyas, per doz.....	\$6.00 to 10.00
----------------------------------	-----------------

HARRISII and CALLAS, per doz.	\$2.00 15.00
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NARCISSUS PAPER WHITE ...	Per 100 \$3.00
---------------------------	----------------

ROMANS	4.00
--------------	------

VALLEY	\$3.00 to 5.00
--------------	----------------

VIOLETS, double	1.00 to 1.50
" Single, Princess of Wales.	1.00

MIGNONETTE, large spikes	6.00 to 8.00
--------------------------------	--------------

SWEET PEAS	1.00 to 1.50
------------------	--------------

STEVIA	2.00
--------------	------

ADIANTUM CROWEANUM75 to 1.00
--------------------------	-------------

SMILAX	per doz., \$2.00
--------------	------------------

SPRENGERI, P L U M O S U S	
----------------------------	--

SPRAYS	3.00 to 4.00
--------------	--------------

PULMOSUS STRINGS.....	each, 60c
-----------------------	-----------

FERNS	per 1000, \$2.00
-------------	------------------

GALAX	" 1.25
-------------	--------

LEUCOTHOE75
-----------------	-----

BOXWOOD, per bunch 35; per case	
of 50 lbs.	\$7.50

WILD SMILAX, 50 lb. case....	\$5.00
------------------------------	--------

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

Bassett & Washburn had at their office on January 3 the plans for the new building, 80x200 feet, which will be erected at the corner of Market and Lake streets. E. B. Washburn is at the head of the movement whose aim is, if the deal goes through, to have the wholesale florists, or a part of them, move from their present locations and take space in the new building, which will be completed about September 1. The University of Chicago owns the property upon which the structure is to be erected and a gentleman by the name of Heckman is the party who will put up the building.

The Chicago Carnation Co. will give a free excursion to Joliet and return on Wednesday, January 11. The train will leave the LaSalle street station on the Rock Island railroad at 11:45. All are cordially invited to join the crowd and to see their new carnation, Washington, as it grows and blooms

at their greenhouses. Luncheon will be served at the greenhouses upon the arrival of the train at 1 o'clock. Anyone wishing to take advantage of this liberal offer should leave word with Manager Pyfer so the necessary arrangements can be made to accommodate all.

The Killarney, White Killarney and Richmond roses that Hoerber Bros. are receiving at the store this week are of the best quality. Bride and Bridesmaid are looking fine and carnations, of which they have a large supply, are also arriving in splendid condition. Will Hoerber and Harry Manheim are kept on the jump filling the many orders that are received.

Mrs. H. Clifton, 373 North Forty-eighth avenue, is another of the many florists who report a rushing holiday trade.

The Geo. Wittbold Co., 737 Buckingham place, sold an unusually large number of baskets in connection with

their plant and cut flower trade during the holidays. F. M. Nelson, manager of the retail department, reports business good, with a large amount of work for funerals and weddings.

N. J. Wieter is still suffering from a severe cold but is on the job the same as usual. A large crop of White Killarney roses is being cut at the greenhouses and a large quantity can be seen at the store this week.

Buchbinder Bros., 518 Milwaukee avenue, are receiving a number of inquiries from many florists in regard to the new ice boxes which they manufacture and have recently placed on the market.

A splendid grade of stock, including all different flowers of the season, was seen at Zech & Mann's this week. We also noticed a number of La Reine tulips.

Chas. Ussing, an employee at the Hoerber Bros. store, is seriously ill in a local hospital with pneumonia.

Flowers for Florists

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy
Plenty of all other
seasonable stock. and Fancy Carnations in good supply.

CURRENT PRICE LIST

		Per 100		Per 100	
American Beauty		Per doz.		Carnations	
Special	\$5 00			1st quality	\$ 4 00
36 inch	4 00	Bridesmaid, fancy	12 00	Valley	3 00 to 4 00
30 inch	3 00	select	8 00 to 10 00	Harrist Lilies	12 00 to 15 00
24 inch	2 00	medium	6 00	Sprenger	3 00
18 to 20 inch	1 50	good short	4 00	Asparagus Plumosus,	
12 to 15 inch, per 100	\$8 00 to 10 00	Bride, fancy	12 00	extra quality per bunch	50
Short stem	1 00 to 1 50	select	8 00 to 10 00	Fancy Ferns, per 1000	2 00
	Per 100	medium	6 00	Smilax, per doz.	1 50 to 2 00
Richmond, fancy	\$12 00	good short	4 00	Wild Smilax, per case	5 00
select	\$8 00 to 10 00	My Maryland, fancy	12 00	Violets	2 00
medium	6 00	select	8 00 to 10 00	Sweet Peas	75 to 1 50
good short	4 00	medium	6 00	Mignonette	3 00
Killarney, fancy	\$12 00	good short	4 00	Romans	3 00 to 4 00
select	\$8 00 to 10 00	ROSES, our selection	6 00	Stevia	1 50
medium	6 00	CATTLEYA	per doz. 7 50 to 9 00		
good short	4 00				

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Mike Fink of Kennicott Bros. Co., was surprised on January 3 when he opened the store, to find that burglars had entered during the night and ransacked the office from top to bottom. Two small boxes, one empty and the other containing \$13 in cash, were on the desk. The intruders evidently picked up the empty one and, disgusted to find it contained nothing, threw it on the floor without taking the trouble to look into the other, which contained the money. So far nothing has been missed and the only loss sustained was the pane of glass through which the robbers made their entrance.

Poehlmann Bros. Co. is mailing to their customers two very pretty calendars for 1911, and will gladly mail one to any florist upon request. O. W. Frese is devoting a greater portion of his time looking after the affairs in the office while John Poehlmann continues to handle the large trade which this firm enjoys.

Miss May McAdams, daughter of Andrew McAdams, the well-known florist at Hyde Park, returned January 3 from a few weeks' visit to Sheboygan, Wis. Miss McAdams was a member of a party of 20 that attended a house party in that city, celebrating the New Year in royal fashion.

Emil Jehlik, Ashland avenue, enjoyed a brisk business during the holidays and disposed of a large quantity of cut flowers. Mrs. Jehlik and son have been on the sick list for a few weeks, suffering from severe colds.

Vaughan & Sperry are receiving a fancy grade of long-stemmed American Beauty roses. Wm. Dittman of New Castle, Ind., will soon be on with another crop and extra large shipments will be daily arrivals.

Peter Reinberg is cutting a large quantity of White Killarney and Richmond roses of extra good quality. Carnations in all the leading varieties



ORCHIDS

:: A Specialty ::

A fine stock of Cattleyas, Gardenias, Cypripediums, Assorted Orchids, Valley, Violets, Beauties, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. McKELLAR

51 Wabash Avenue.
CHICAGO.

are received at the store and disposed of at good figures.

Charles W. McKellar has both hands bandaged, the thumb on the right hand and the middle and third fingers on the left. Blood poisoning has developed, probably caused by being scratched by rose thorns.

The carnations that the J. B. Deamud Co. is receiving at the store this week are of a high grade quality. A fancy grade of sweet peas and narcissus were also noticed.

Stollery Bros., the Wilson avenue florists, had their share of the holiday

U S Budlong's

E Blue Ribbon Valley.

business and sold out their entire stock of plants for the Christmas trade at an early hour.

— We Are Cutting a Fancy Grade of —

WHITE KILLARNEY

and Richmond Roses

Our stock is all of a high grade quality, and is bound to give satisfaction. If you are looking for

The Best That the Market Affords

send in your order to us. Plenty of all other seasonable stock at the following prices:

PRICE LIST:

AMERICAN BEAUTIES

	Per Doz.
Extra long	\$6 00
36-inch stem	5 00
30-inch stem	4 00
24-inch stem	3 00
20-inch stem	2 50
18-inch stem	2 00
15-inch stem	1 50
12-inch stem	1 00
Short stem	75

	Per 100
Richmond	
Killarney	Special
White Killarney	Select
Field	Medium
My Maryland	Short
Uncle John	
Bride	Select
Ivory	Medium
Sunrise	Short
Gate	
Perle	

ROSES, OUR SELECTION, AN EXTRA GOOD GRADE, \$3.00 per 100.

CARNATIONS

	Per 100
Fancy	\$ 4 00
Common	\$2 00 to 3 00
Split	1 50
Harrisii	15 00
Valley	4 00 to 5 00

	Per 100
Violets	\$ 75 to \$1 25
Stevia	1 50 to 2 00
Adiantum	1 00 to 1 50
Asparagus	per bunch, \$0 50
Ferns	per 1000, 2 00

Subject to change without notice.

PETER REINBERG

35 Randolph Street,

CHICAGO

The regular meeting of the Florists' Club will be held January 5, at the Union Restaurant, 111 Randolph street, at 8 p. m. At this meeting officers will be elected for the present year, the following having been nominated at the last meeting: H. E. Philpott, president; A. C. Kohlbrand, vice-president; A. T. Pyfer, secretary; E. F. Winterson, treasurer; H. N. Bruns, Alex. Henderson and John Degnan, trustees; Michael Fink, sergeant-at-arms. A dinner, costing those who participate \$1 each, will be served after the meeting.

Schiller, the Florist, West Madison street, is enjoying a very busy season, general retail work occupying his attention. The Misses Bert Schiller and M. Zalind are on the sick list and are greatly missed at the store.

Kyle & Foerster are filling a large number of orders for a fancy grade of Killarney roses, of which they have a

"The Busiest House in Chicago."

Headquarters for Wild Smilax

Also for Beauties, Roses, Carnations, Sweet Peas, Valley, Violets, and all other cut flowers and greens.

Do you get our Weekly Price Letter? If not write for it.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

large supply. The Prince of Wales violets that this firm is offering are of exceptionally good quality.

George Reinberg is cutting a fancy grade of Killarney and other roses of exceptionally good quality.

High Grade Cut Flowers

ROSES AND CARNATIONS

Send us your orders for the best Killarney, White Killarney, Richmond, Bride, Bridesmaid and American Beauty Roses. Also Carnations of which we have a large supply.

No Orders Too Large.

No Orders Too Small.

We Guarantee Satisfaction To All.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone
Randolph 2758.

CHICAGO.

We are Cutting a
Large Quantity of

Extra Fancy White Killarney Roses

Which for quality, excel all others in the market. Send us your orders, we will fill it to your satisfaction.

PRICE LIST.

AMERICAN BEAUTY—	Per doz.
Extra longstems.....	\$ 4 00
36-inch stems.....	3 00
30-inch stems.....	2 50
24-inch stems.....	2 00
20-inch stems.....	1 75
18-inch stems.....	1 50
15-inch stems.....	1 00
12-inch stems.....	75
	Per 100
Bride, fancy.....	\$6 00
Good.....	\$ 2 00 to 4 00
Bridesmaid, fancy...	6 00
Good.....	2 00 to 4 00

	Per 100
Killarney, extra fancy	8 00
Fancy.....	5 00
Good.....	3 00 to 4 00
White Killarney, extra fancy	8 00
Fancy.....	5 00
Good.....	3 00 to 4 00
Mrs. Jardine, extra fancy	8 00
Fancy.....	5 00
Good.....	3 00 to 4 00
Richmond, extra fancy	8 00
Fancy.....	5 00
Good.....	3 00 to 4 00

	Per 100
Uncle John, fancy...	6 00
Good.....	4 00
Perle.....	6 00
Roses, Our Selection	3 00
Carnations, fancy.....	3 00
Good.....	2 00
Valley.....	4 00 to 5 00
Adiantum.....	1 00
Sprengerl, per bunch...\$	0.50 to \$0.75
Ferns, per 1000.....	2 00
Galax... ".....	1.00 to 1.50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

L. D. Phone, Randolph 2181.
51 Wabash Avenue,

CHICAGO.

Mrs. K. N. Cooper, of the Auburn-dale Goldfish Co., 920 West Randolph street, returned December 30, from St. Louis, where she has been visiting friends. Mrs. Cooper stopped off at Peoria on her way home to visit an uncle who is seriously ill in a hospital in that city.

The roses that Weiland & Risch are receiving at the store this week are of good quality and of such quantity that they are able to fill all orders.

Chas. C. Young, of C. Young & Sons Co., St. Louis, Mo., was on the market this week looking up roses for extensive floral work now on hand.

Visitors:—Chas. C. Young, of C. Young & Sons Co., St. Louis, Mo.; H. M. Burt, Jackson, Mich.

Chicago Bowling.

On December 23 the Orchids won three games from the Carnations and the Roses won two and lost one to the Violets. The following table shows the number of games won and lost by each team to date:

	Won.	Lost.		Won.	Lost.
Orchids	23	12	Carnations	15	18
Roses	18	15	Violets	10	23

The following table shows the individual and team scores for games played December 28:

	Orchids.		Roses.
Huebner	129 123 160	Wolf	107 156 164
Farley	134 138 112	Johnson	210 160 161
Graff	162 186 139	Byers	108 150 144
Foerster	175 157 173	Knechten	121 145 135
Porterlich	143 155 201	Fischer	169 153 165
Totals	743 769 785	Totals	775 764 769

U S Budlong's

E Blue Ribbon Valley.

	Carnations.		Violets.
Ayers	112 144 177	Vaughan	199 135 135
Winterson	155 125 178	Lieberman	182 116 107
Krauss	140 124 134	Friedman	174 156 151
Schultz	140 124 134	Lorman	144 135 113
A. Zech	138 141 114	Yarnall	133 182 130
Totals	712 722 749	Totals	837 774 636

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

Store, 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Des Plaines, Ill.

The Des Plaines Floral Co. is cutting a large quantity of carnations in all the leading varieties, the stock being all shipped to the Chicago market where it is disposed of by two of the leading wholesalers. A look into the storage rooms showed that the stock is of A1 quality; some extra large blooms on long stems were very noticeable. The varieties grown are Enchantress, White Enchantress, Beacon, May Day, Sangamo, Mary Tolman and Conquest. This firm is well pleased with the latter, also with May Day, which is doing exceptionally well. Beacon is their favorite red and a neat profit was realized from this carnation the past year. There are now on hand 35,000 rooted carnation cuttings, which will soon be ready for delivery, the orders now being booked. The proprietors speak very highly of concrete benches which are in use and state that the prize which they won at the Chicago Flower Show was taken from stock grown on them. The success obtained is they think due to the circulation and drainage under the bench. A feature of the bench in use here is that the concrete work is porous. This is obtained only by making the tile by the same process and methods employed in making concrete building blocks. The tiles are so formed as not to have a flat surface on the bottom, the projections serving to radiate the heat and absorb the moisture, the benches being made from the Garland bench molds.

The past year has been a very prosperous one for the Geo. M. Garland Co., and the outlook for a busy 1911 is very promising, and if this firm's expectations are realized they will the present year sell 100,000 feet of gutters. Of the inquiries received 90 per

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Jan. 4.		Per doz.
Roses, Beauty, extra select...	5 00	
" " 36 in	4 00	
" " 30 in	3 00	
" " 24 in	2 00	
" " 18 in	1 50	
		Per 100
" " 12 to 15 in	8 00	7 10 (0)
Short.... per doz	1 00	1 50
		Per 100
" Bride, Bridesmaid, select....	10 00	12 00
" " medium	4 00	8 00
" Killarney, select....	12 00	
" " medium and short	4 00	8 00
" Kaiserin.....	4 00	12 00
" Mrs. Jardine.....	4 00	12 00
" My Maryland.....	4 00	12 00
" Perle.....	4 00	12 00
" Richmond.....	4 00	12 00
" Uncle John.....	4 00	12 00
" White Killarney, select....	12 00	
" " medium	4 00	8 00
Carnations.....	3 00	4 00
" fancy.....	6 00	12 00
Cattleyas.....per doz.,	6 00	12 00
Cypripediums.....	2 00	2 50
Gardenias.....per doz.,	4 00	6 00
Dendrobium Formosum.....	6 00	
Lilium Harrison.....	15 00	
Lily of the Valley.....	3 00	4 00
Narcissus.....	3 00	4 00
Stevia.....	1 50	2 00
Sweet Peas.....	1 00	1 50
Violets.....	1 00	2 00
Adiantum.....per 100,	0 75	1 00
Asparagus Plum, strings, each,	60	75
" " sprays.....	3 00	4 00
" Sprenger.....	3 00	4 00
Boxwood.....	15 00	
Ferns.....per 1000,	1 50	2 00
Leucothoe.....	75	
Smilax.....	2 00	
Wild Smilax.....per case,	5 00	

cent were for iron gutters, the people evidently believing in good substantial construction. On December 1 this firm began the furnishing of wooden work for greenhouse construction and at present are turning out material for Fred Stielow's new range consisting of seven houses 34x300 feet, which will be of iron frame construction with trussed sash bar and equipped with the Garland gutter. Mr. Stielow was one of the first users of the Garland iron gutter and it was through his suggestion that the manufacture was taken up. This firm also has a contract to furnish the material for a new range of houses for Chas. Abbott of Crown Point, Ind., and at present is manufacturing 7,000 feet of gutter for the Fochlmann Bros. Co. of Morton Grove, Ill.

A visit to the Hoerber Bros. range on December 29 found the stock to be in splendid condition. Five houses 27x200 feet long are planted to carna-

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

U S Budlong's E Blue Ribbon Valley.

tions, principally White Perfection, Enchantress, Victory and Winsor. Seventeen houses of the same size are devoted to the growing of Killarney, White Killarney, Bride and Richmond roses. Walking through the houses our attention was attracted to a new rose, unnamed as yet. The flower was very large, similar in color to La France, but of a little deeper shade. Everywhere we looked the plants were in a good healthy condition and a large crop is assured from now on; 31,000 roses and 25,000 carnations were cut from December 18 to Christmas; 30,000 rose and 60,000 carnation cuttings are already in the sand and it is expected that propagation will be completed by March 1. Foreman Dunn has everything in fine shape and the houses are all in the pink of condition, with heavy cuts and fine growth, and he made our brief visit very enjoyable escorting us through the houses.

WARD'S

Alma Ward.....	\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward.....	6.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

Philadelphia.

Now that it is all over the general consensus of opinion is that the holiday business was not quite up to expectations. Nobody seems to know just why, but there was not the snap to it and in most of the stores there were quite a lot of plants that had failed to find buyers. Christmas greens were also seen lying around and the tree men suffered badly, there being lots of cars in the various yards that were never unpacked and had to be burned up by the railroad companies to get rid of them. An immense amount of business was done in all lines, there being a big demand for cut flowers. Prices, however, ranged low, as for some reason the market seemed extra full in almost every line. Prices on the average were 25 per cent less than last year in everything but orchids and carnations, both of which flowers were the exceptions in that they were scarce and brought top prices, cattleyas selling for \$9 to \$10 per dozen and carnations \$6 to \$10 per hundred. The quality of the stock was excellent, particularly the roses, there being very little but appeared of good color and substance. The very cold weather of the week previous helped to hold it back and none of it arrived in market in very fine condition. The Jos. Heacock Co. and John Welsh Young, who are large growers of Killarney, both spoke of being well satisfied with their Christmas business, for while prices were not high they had been able to sell out their large stocks clean and the total was very satisfactory.

FLORISTS' CLUB MEETING.

The January meeting of the Florists' Club was, considering the very stormy night, very well attended. In the absence of President Heacock, Vice President Burton occupied the chair. The feature of the evening was the paper by S. S. Skidelsky, "Are We Progressive?" This was treated in the usual careful manner of the essayist who is a keen observer and whose experience in his extensive travels over the country and business with all branches of the trade enabled him to point out the hits and misses and show what is needed to keep the trade progressive. System and a thorough knowledge of the business were the foundation stones without which there could be no progress. It was a very excellent paper and brought out considerable discussion. Senator Joseph Heacock returned from Harrisburg in time to take part. Messrs. Fahrenwald, Thilow and Meehan also expressed their approval of the paper, particularly that part in which the education of the coming generation of workers in the trade was recommended. W. H. Taplin of Brooklyn will read a paper on "The Carnations of Today" at the February meeting. A lunch provided by the house committee was much enjoyed.

NOTES.

The Jos. Heacock Co. has taken the store recently occupied by Edward Reid, 1526 Ranstead street, where they will handle their large rose stock from this time on. The opening of this depot will be a great accommodation to their customers, who will be able to get fresh supplies at any hour of the day. The stock of White and Pink

Wholesale Flower Markets

	PHILADELPHIA, Jan. 4.	Per 100
Roses, Beauty, extra.....	15 00@25 00	
" " first.....	8 00@10 00	
" Brides and Maids.....	1 00@5 00	
" Killarney.....	1 00@6 00	
" White Killarney.....	1 00@5 00	
Cattleyas.....	60 00@75 00	
Chrysanthemums..... per doz.,	50@3 00	
Gardenias..... per doz., 2	00@3 00	
Lilium Harriell.....	6 00@8 00	
Lily of the Valley.....	2 00@4 00	
Snappdragons.....	3 00@5 00	
Violets.....	50@75 00	
Adiantum.....	75@1 00	
Asparagus..... per bunch,	50	
Smilax.....	15 00@20 00	
	PITTSBURG, Jan. 4.	Per 100
Roses, Beauty, special.....	25 00@35 00	
" " extra.....	15 00@20 00	
" No. 1.....	10 00@12 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Chateauy.....	3 00@12 00	
" Killarney.....	3 00@12 00	
" My Maryland.....	3 00@12 00	
" Richmond.....	3 00@12 00	
Carnations.....	3 00@5 00	
Chrysanthemums.....	3 00@25 00	
Cattleyas.....	75 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	4 00	
Paper Whites.....	4 00	
Romans.....	4 00	
Sweet Peas.....	50@1 00	
Adiantum.....	1 50	
Asparagus Sprengerl, per bunch,	50	
" strings..... per string,	50	
" sprays..... per bunch,	50	
Smilax.....	15 00	

U S Budlong's E Blue Ribbon Valley.

Killarneys now being sent in from the Heacock greenhouses at Wyncote and the new place at Roelfs has never been surpassed in this market.

Joseph Heacock was seen last Monday, grip in hand, on his way to Harrisburg to take his place and be sworn in as senator from Montgomery county. He will be missed at the Florists' Club, where Vice-President Burton will now have the pleasure of presiding.

Ed Reid says he is more than pleased with his move to the old McKissick store, 1619-21 Ranstead street, where he has much greater facilities for handling his increasing business.

The New Year's demand was sufficient to use up most of the fresh stock offered. Prices were about 20 per cent below those of Christmas and are now down to about normal for the season following the holidays. K.

Tarrytown Horticultural Society.

The regular meeting of the Tarrytown Horticultural Society was held in its rooms on Thursday evening, December 29, 1910. The prize of the evening, given by Abel Weeks for the best 18 blooms of carnations, was won by Wm. Pope, gardener to H. Darlington, Mamaroneck, who staged a number of high class flowers. Mr. Weeks also made a splendid exhibit of carnations, staging 12 vases in 12 varieties. As he was the donor of the prize

We are strong on **GOOD**

Beauties

Violets and Stevia

THE McCALLUM CO., Inc.
PITTSBURG, PA.

Pittsburgh Cul Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.

The Florists' Exchange...

729 13th Street, N. W.

WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co.,

**The Leading Wholesale Florists
Of Michigan.**

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

he did not enter for competition but was awarded honorable mention.

This being the annual meeting, the secretary and treasurer submitted their yearly reports, which as regards increased membership and financial standing showed up very creditably in favor of the society.

New officers were elected for the year as follows:

John Brunger, president.
George Wittlinger, vice-president.
E. W. Neubrand, secretary.
Chas. Weeks, treasurer.
Geo. McIntosh, cor. secretary.

The dinner committee reported that they had arranged for the annual dinner to be held at the Hotel Tarry on Wednesday evening, January 18, at 7 o'clock. Tickets can be had from the secretary, E. W. Neubrand. Friends wishing to purchase tickets should procure them as soon as possible so that proper arrangements can be made for their accommodation. Wm. Scott,

WM. SCOTT,
Cr. Sec'y.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Boston.

The condition of the flower market in Boston is very good. There are plenty of flowers of all kinds to supply the demand, and business has been good for the week following Christmas holidays. Values have dropped to about normal for this season of the year, and the growers are able to dispose of their daily stock at the market price. The retail stores report that they had a very satisfactory Christmas business, although the weather last Saturday when it rained all day was a loss financially, especially in the cut flower line. In nearly all the stores could be seen quite a number of orders for New Years, and the custom of sending flowers for this day seems to be growing in Boston, for while in some cities, notably New York, New Year's has been celebrated. It is only in the last few years that the business in Boston showed much increase at this season. There has been quite a demand for flowers for funerals the past month and each florist gets a share. The wholesale stores report that they did a good Christmas business and that contrary to the fact that the following week trade has usually been very quiet, this year the demand for flowers has been very good all the past week.

NOTES.

Herbert Seaverns, who for a number of years has owned and conducted greenhouses in Weston, which for the last few years he has leased to other parties, has sold his place to Francis Blake and leaves this week for Florida where he has business interests.

Henry M. Robinson & Co. were very busy when your correspondent called upon them. They are receiving a very fine grade of Killarney roses and other flowers for the season of the year.

Welch Bros. report a very large holiday business among their customers which consisted of florists in all the large New England cities and towns.

N. F. McCarthy & Co. report that they did a very good Christmas business and that trade has continued good for the past week as well.

W. H. Elliott is supplying the trade with a high grade of roses which are grown in the greenhouses at Madbury, N. H., and at Brighton.

Quint and Weis who have been conducting a florist business at 379 Boylston St., have closed up. H. C. W.

NOBEBISTOWN, PA.—Henry Yeager, the florist at No. 46 East Airy street, has purchased from his father, Wm. H. Yeager, the old homestead and greenhouses on East Oak street.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Jan. 4.		Per 100
Roses, Beauty, best	35	00@50 00
" " medium	20	00@25 00
" " culls	10	00@12 00
" " Bride, Bridesmaid	10	00@12 00
" " Extra	12	00@25 00
" " Killarney and Richmond	12	00@25 00
" " My Maryland	12	00@25 00
" " Carnot	8	00
Carnations, select	3	00@4 00
" " fancy	4	00@6 00
Callas	8	00@12 00
Cattleyas	35	00@50 00
Chrysanthemums	8	00@35 00
Gardenias	25	00@35 00
Lilium Longiflorum	8	00@10 00
Lily of the Valley	2	00@4 00
Violets	75	@1 00
Smilax	12	00@16 00

ST. LOUIS, Jan. 4.		
Roses, Beauty, long stems	30	00@40 00
" " medium stems	8	00@10 00
" " short stems	2	00@4 00
" " Bride, Bridesmaid	5	00@8 00
" " Killarney	5	00@8 00
" " My Maryland	5	00@8 00
" " Richmond	5	00@8 00
Carnations	4	00@5 00
Easter Lilies	10	00@12 50
Adiantum	1	@25
Asparagus Sprengerii	2	00@3 00

CINCINNATI, Jan. 4.		
Roses, Beauty	per doz., 1 00	@6 00
" " Bride, Bridesmaid	2	90@8 00
" " Golden Gate	2	00@8 00
" " Killarney	2	00@6 00
" " Richmond	2	00@8 00
" " Pres. Taft	3	00@8 00
Carnations	3	00@6 00
Callas	10	00
Chrysanthemums	15	00@25 00
Lilium Longiflorum	12	50@15 00
Narcissus Paper White	4	@9
Lily of the Valley	3	00@4 00
Adiantum	1	00@1 50
Asparagus Sprengerii	per bch.	25

MILWAUKEE, Jan. 4.		
Roses, Beauty	per doz., 1 50	@6 00
" " Bride	4	00@10 00
" " Killarney	4	00@12 00
" " Richmond	4	00@12 00
" " Perle	4	00@10 00
Carnations	2	00@5 00
Lilium Giganteum	per doz., 2 00	
Lily of the Valley	4	00
Paper Whites and Romans	3	00
Stevia	1	50
Violets	1	00
Adiantum	1	50
Asparagus	per string	50
" " Plumosus	per bunch	35
" " Sprengerii	35	
Boxwood	per bunch	25
Ferns, Fancy	per 1000	2 00
Galax	per 1000	1 50
Smilax	per doz.	1 75
Wild Smilax	per case	5 00

BOULDER, COLO.—An increase of about 15 per cent, reports C. F. Fawcett, in the Christmas trade this year. The flowers were of better quality than a year ago with the prices about the same, but the supply did not equal the demand—not by a long ways. The supply of bulbous flowers was limited but enough to fill all orders. The sales of plants were greater than at last Christmas, poinsettias leading with Begonia Gloire de Lorraine and cyclamen close seconds. The trade generally called for more pot plants than ever with nearly all looking for plants in bloom.

H. G. BERNING,

Wholesale Florist,

1402 Pine St. ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

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THE MUNK FLORAL CO.

Wholesale Growers of CUT

FLOWERS and Jobbers of

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Columbus, Ohio

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1. Boston, Mass.

Manufacturer of Florist Wire Designs,

All kinds of Florist Supplies.

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000: by the case, \$7.50. Boxwood, 50-lb. case \$7.50: by the lb., 25c. Laurel Wreaths, 10 inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14 inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

U S Budlong's E Blue Ribbon Valley.

SYCAMORE, ILL.—The Christmas trade reports William Swinbank, was about 15 per cent better than last year, which was the best we had previously ever had. The supply of carnations was short of demand. December has been a very good month and everything is looking fine and promising.

New York.

HAPPY NEW YEAR.

A happy New Year to all, and may our business relations be pleasant, irrespective of business conditions. The celebration of New Years was attended with a great deal of noise and feasting here, but, so far as the flower business is concerned, very little excitement was experienced. The weather was cold and clear and flowers of all kinds abundant in supply. In the interim between Christmas and New Years business was extremely slow and prices all round were generally on the decline, nothing firm, nothing scarce, and such are conditions at present. American Beauty roses, from the special grades down to the shortest salable stock are all in heavy supply, the demand is not pressing by any means and prices are very elastic; can be made to accommodate purchasers in fact, the quantity taken being the chief factor in determining the price. Killarney roses are better sellers than My Maryland and there is more than enough of both of them. White Killarney, although coming in in excellent quality, are a particularly difficult subject, but then white flowers of any kind never go so well at the holiday season as do the colored ones. There is a good deal heard about roses bringing such low prices, and they do seem awfully low when compared with prices obtained in other years, but we must consider the immense supply that has been and still is available in this market, a supply perhaps more than double that of any previous year. When that fact is given due consideration we must or should appreciate the fact that prices were not so low after all. Carnations, while being about plentiful enough to meet all calls, do not show in excessive quantities and as a consequence prices remain fairly steady, fluctuations being very slight indeed. Cattleyas are getting quite numerous, so much so in fact that values are weakened perceptibly. The high grade blooms particularly are hard to move at the top quoted prices. Cypripediums and oncidiums are also meeting with slow demand. Violets are keeping up fairly well considering conditions among other staples, prices remain almost stationary for select stock while poor flowers find an outlet in the streets through the peddlers at some price or other. Single violets seem more plentiful than usual and are also selling fairly satisfactorily. Gardenias are scarce, these are the only real scarce things in the market. Tulips are more plentiful, but they are not as a rule, much sought after, the stems are short, consequently not very desirable. Trumpet and Golden Spur narcissus have begun to arrive and are offered at 60c per bunch of twelve. Paper White narcissus and Roman hyacinths are much too plentiful and prices are being cut severely. Lily of the valley is not in good demand. There is some white lilac coming in regularly that also seems hard to be disposed of, however cheaply it is offered. Lilies move slowly, but they move; they have to at some price or other, as the daily consignments continue to be heavy. There is a steady supply of excellent callas, and these go fairly well. Stevia is still a feature but is being offered very cheap, six and eight bunches for a dollar. And still chrysanthemums are to be seen though those who have them are having troubles of their own in finding customers for them. Smilax is too plentiful and hard to market, asparagus in bunches is a much better proposition. The green material has been affected to quite an extent with other holiday greens but from now on it is but fair to expect that smilax, asparagus and adiantum should all find a little better demand. Monday was observed as the holiday and stores closed

up about noontime, both wholesale and retail.

NOTES.

The New York Florists' club will meet on Monday evening, January 9, in their rooms, Grand Opera House building, corner Twenty-third street and Eighth avenue. Installation of officers and the annual reports by Secretary John Young and Treasurer W. C. Rickards will be a part of the business proceedings. President J. B. Nugent, we understand, has a treat in store, so we shall no doubt commence the year with a rousing big meeting.

President W. A. Burpee, of the National Sweet Pea Society of America, called an executive meeting of that body which was held in the Astor house on Wednesday, January 5.

Reed & Keller, the supply men, are showing the new Model Stemmer, a device for stemming flowers, galax leaves, etc., and which is being manufactured and sent out by the Model Stemmer Co., Inc., Madison, N. J. This article should prove a time-saver in stemming and its small cost will recommend it to the retail trade.

During the holiday rush the Cut Flower exchange has been open for business at five o'clock in the morning. Suburban buyers find that arrangement a very convenient one, enabling them to do their marketing and be back home again in time for the day's regular business.

H. Chadwick of Vaughan's Seed store staff is back from London, Canada, where he attended the funeral of his father, Sidney Chadwick, aged 65 years. Besides the mother, there are six girls and two boys left to mourn his loss. The other brother is a resident of Calgary, Alberta.

John Young, Bedford Hills, N. Y.; Thos. Bell, Fairfield, Conn.; Mr. Sykes, of the Chicago office of the Lord & Burnham Co., and D. O'Connor, of the Philadelphia office of the same firm, were among the visitors in town recently.

Phil. Kessler, wholesale florist, 55 West Twenty-sixth street, left January 5 for a ten days' trip to Bermuda. During his absence M. Vlasverd has charge of the salesroom.

Cut flowers and ribbon bedecked baskets were more of a feature in the retail florist show windows for New Years than for Christmas, some evidence that plants had cleared out quite well.

P. J. Smith, wholesale florist, 49 West Twenty-eighth street, is sufficiently recovered from his slight illness to be at his office again.

Word comes from John I. Raynor that he is having a good time among the flowers in Pasadena, California.

At the alleys on December 30, the prize offered for the highest score, a bottle of champagne, was won by J. A. Manda with 201. The three highest scores of individuals were as under:

A. Manda.....	147	168	201
R. T. Irwin.....	164	170	172
A. Shaw.....	152	155	171
R. Berry.....	131	143	146
W. B. McArdle.....	133	158	160
Kakudd.....	143	149	138
J. B. Nugent.....	103	128	126
Wheeler.....	123	138	147

Washington.

FAIR BUSINESS.

The New Year's business was fair but not extraordinary. As to weather, New Year's day was about as disagreeable as it could be, beginning with sleet and ending in a pouring rain. January 2 was no great improvement, being very dark and gloomy, with a heavy mist. The principal business was in decorations for receptions and luncheons and in boxes of cut flowers, though a few plants were sold. All stock was plentiful.

Charles Weiss & Sons

127 West 28th St. NEW YORK
Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers.
Consignments Solicited.

Siebrecht & Siebrecht

Wholesale Florists

136 W. 28th St., New York City

JOSEPH J. LEVY

(Successor to John Seligman & Co.)

WHOLESALE FLORIST

Telephone Madison Sq. 4878,
56 West 28th Street, New York

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

U S Budlong's
E Blue Ribbon Valley.

NOTES.

On December 29, 1910, Adolphus Gude was elected a potentate of Alma's Temple of the Mystic Shrine. He also was elected a representative to the Imperial Council, which meets at Rochester, N. Y., in July.

Several of the local dealers, notably F. H. Kramer, A. Gude & Bro., J. H. Small & Son, Blackstone & Shaffer, have recently been good advertisers in the daily papers and judging by their business they get returns.

A feature of the holiday trade has been the fine display of plants and cut flowers by J. R. Freeman. He has long been known as an expert plant grower and always shows exceptionally good features.

The news of the death of Fred Dornier, Sr., at his home, Lafayette, Ind., December 29, caused much regret among local florists, to a number of whom he was well and favorably known.

J. H. Small & Sons arranged a number of very artistic decorations for New Year's. Noteworthy were several in which fine displays were made with Lilium rubrum and L. auratum.

J. Louis Loose, head of the Washington Florists' Co., is well pleased with holiday trade.

Geo. C. Shaffer has been quite busy with funeral work in addition to his holiday business.

John Robertson has been very busy throughout the holidays, being strong on plants.

Z. D. Blackstone is busy and showing fine features in plants and cut flowers.

W. W. Kimmel reports good holiday trade and much funeral work.

Geo. H. Cooke is handling fine blooms of John Cook's pink rose, Radiance.

A. F. F.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies.



D. Y. Mellis, Pres.

Geo. W. Crawbuck, Mgr.

Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

Wholesale Commission Florists and Dealers in Florists' Supplies.

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3643 {
6028 {**Charles Millang**

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55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

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131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

WM. P. FORD,

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WHOLESALE FLORIST

Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited.

Badgley, Reidel & Meyer, Inc

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 { Madison Sq.
1665 {

Consignments Solicited.

Give us a
Trial
We can
Please you.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission
Florists,
BUFFALO N. Y.
Florists' Supplies and Wire Designs.**Wholesale Flower Markets**

NEW YORK, Jan. 4.

Roses, Beauty, special.....	35 00@ 60 00
extra and fancy.....	10 00@ 20 00
No. 1 and No. 2.....	4 00@ 5 00
Bride, Bridesmaid, special.....	5 00@ 10 00
extra and fancy.....	4 00@ 5 00
No. 1 and No. 2.....	3 00@ 4 00
Killarney, My Mar. Ind. spl.....	6 00@ 10 00
extra and fancy.....	5 00@ 6 00
No. 1 and No. 2.....	3 00@ 5 00
Carnations.....	3 00@ 6 00
Cattleyas.....each.....	40@ 75
Gardenias.....per doz.....	3 00@ 6 00
Lilium Longiflorum.....	5 00@ 10 00
Lily of the Valley.....	2 00@ 4 00
Narcissus P. Wht.....	1 50@ 2 00
Roman Hyacinths.....	1 50@ 2 00
Sweet Peas.....per doz. bchs.....	75@ 1 50
Violets.....	35@ 75

BUFFALO, Jan. 4.

Roses, Beauty, special.....	Per doz. 9 00
extra and fancy.....	7 50
No. 1.....	5 00
No. 2.....	2 40
Bride, Maid, Killarney.....	5 00@ 10 00
Kaiserin.....	4 00@ 8 00
Killarney, White and Pink.....	5 00@ 15 00
Pres. Carnot.....	4 00@ 8 00
Carnations.....	3 00@ 6 00
Callas.....	12 00@ 15 00
Lilium Longiflorum.....	12 00@ 15 00
Lilium Speciosum.....	4 00@ 6 00
Lily of the Valley.....	4 00@ 5 00
Mignonette.....	3 00@ 4 00
Narcissus Paper Whites.....	3 00@ 4 00
Stevia.....	1 00@ 1 25
Sweet Peas.....	75@ 1 00
Violets.....	1 00@ 1 50
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000.....	\$2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

ALFRED H. LANGJAHR
WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.
Phones 4626 and 4627 Madison Square.**Charles H. Totty**

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square
Mention the American Florist when writing**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

KESSLER BROS.,
136-138 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing**M. C. FORD**

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing

FLOWERS SHIPPED BY

P. J. SMITH,Are the best product of the best growers
for the New York market.

Adiantum Croweanum, sold here exclusively.

49 West 28th St., NEW YORK.

Telephone 1998 Madison Square.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited.

Telephone, 3559 Madison Square.

54 West 28th St., NEW YORK.

Mention the American Florist when writing

Cut Flower Folding Boxes

Satisfaction Guaranteed.

Per 100	Per 100
18x5x3.....\$1 75	24x8x5.....\$3 50
21x5x3½.....1 85	28x8x5.....3 75
24x5x3½.....2 35	30x8x5.....4 50
28x5x3½.....2 90	36x8x5.....5 50
30x5x3½.....3 00	30x12x6.....6 25
21x8x5.....2 85	36x14x6.....7 50

Double Violet Bozes.

9 1/2x4.....\$1 75	10x7x8.....\$2 50
9 1/2x6x5.....2 25	12x8x7.....3 00

We constantly carry a large assortment of FLORISTS' SUPPLIES and can fill orders at a moment's notice.

Henry M. Robinson & Co.,

Wholesale Commission Florists, Manufacturers and
Importers of Florists' Supplies Hardy Cut Evergreens
15 PROVINCE ST., 9 and 15 CHAPMAN PLACE,

Boston, Mass.

Special Offer

FOR JANUARY

Green and Violet Tin Foil, best quality
17c per lb. Plain Tin Foil, 9c per lb.
Dagger and Fancy Ferns, A No. 1
quality, \$1.25 per 1000.
Brilliant Bronze and Green Galax,
\$1.00 per 1000; \$7.50 per 10,000.
Boxwood, excellent quality, 16c per lb
Southern Wild Smilax, \$6 per case.
Imported Bronze and Green Magnolias, \$2.00 per basket.

Imported Cycas Leaves

Finest Quality. Per 100

4x8 -inch.....	\$2 00
8x12-inch.....	2 50
12x16-inch.....	3 00
16x20-inch.....	3 50
20x24-inch.....	4 00
24x28-inch.....	5 00
28x32-inch.....	6 00
32x36-inch.....	7 00
36x40-inch.....	8 00

WE NEVER DISAPPOINT.

Telephones Main 2617; 2618, 555
Fort Hill 25290, 25292

Fancy Ferns, - \$1.75 per 1000



New Crop Galax, Bronze or Green.....	\$1.25 per 1000; 10,000 \$7.50
Sphagnum Moss, large bales.....	\$1 25; 6 bales, \$7.00. Extra Fine
Leucothoe Sprays, Green and Bronze.....	\$1.00 per 100; \$7.50 per 1000
Boxwood.....	per bunch, 35c; 50-lb. case, \$8.50
Magnolias, Brown and Green, Imported stock.....	per basket, \$2.50; 6 baskets, \$2.00 each

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All Phone Connections.

DETROIT, MICH.



Brampton, Ont.

The weather conditions here were perfect for Christmas shipping, and the volume of trade exceeded the turnover of all previous years. With the exception of Beauties, red roses and all kinds of carnations, the Dale Estate greenhouses were practically cleared of all available stocks. Orchids were more in demand than ever this year, and only a few Laelia anceps remained out of the thousands of blooms of all varieties listed for the holiday week. Orders coming from as far away as Carolina and British Columbia had to be refused for this increasingly popular flower. The business done in florists' supplies was at its highest during December, and to show how this branch of the establishment has developed it need only be mentioned that despite the fact that double the quantity of immortelles were disposed of this Christmas than were sold during Christmas, 1909, yet another large shipment had to be cabled for from France to complete holiday requirements. From all reports the express companies excelled themselves at Christmas, and florists generally seem to be congratulating themselves on the best business they ever handled.

W. G. P.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

SWAN & CHEGGIN,

Roan Mountain, Tenn.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger

Ferns, Bronze and

Green Galax, Holly,

Leucothoe Sprays,

Princess Pine, Etc..

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly,
on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

Mention the American Florist when writing

Southern Wild Smilax

Now ready for shipment.

Perpetuated and
Natural Sheet **MOSSES**

Satisfaction guaranteed.

E. A. BEAVEN,

Evergreen, Ala.

50-lb. case
Extra Fine
SMILAX\$1.75 per case
QUALITY GUARANTEEDWhen in need of extra good Smilax
in any quantity, write or wireHenry M. Robinson & Co.
Nadawah, Ala.You can rest assured that all orders
placed with us will be filled to your entire
satisfaction.Unknown customers, satisfactory refer-
ences or C. O. D.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Philadelphia, Pa.

J. J. HABERMEHL'S SONS

Florists, Bellevue - Stratford and Diamond and 22nd Streets

CHOICEST FLOWERS ARTISTICALLY ARRANGED.

Telephone: Spruce 3780

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1119.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

NEW YORK
Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.
Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.**FLORISTS**

.....241 Massachusetts Ave.

Denver, Colo.

**The Park
...Floral Co.**

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Washington,
D. C.

14th and N Street

Also

1601 Madison Ave

Baltimore, Md.

J. DAN BLACKSTONE

New York and Washington, D.C.

**J. H. Small & Sons
FLORISTS**

New York:

1153 Broadway and Waldorf-Astoria.
Washington, D. C.: Cor. 14th and G Sts.
Mention the American Florist when writing

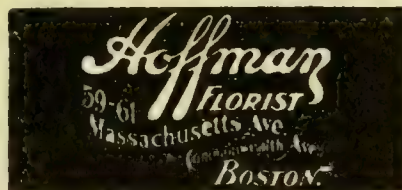
Grand Rapids, Mich.

ELI CROSS

Wholesale and Retail Florist

25 Monroe St.

Mention the American Florist when writing



Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Rockford, Ill.

H. W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

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MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will carefully execute orders for
Kansas City, and any town in

Missouri, Kansas or Oklahoma

Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1583

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Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phone

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue

We Cover All Points in Ohio.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

Nashville, Tenn.

Geny Bros.

LEADING

FLORISTS

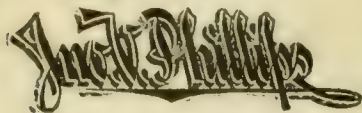
212 Fifth Ave. No.

NASHVILLE, TENN.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Brooklyn, N. Y.



319 MAIN PHONE.
272 Fulton Street.

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey.
Established 1874.

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506, Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them
Kansas City and Pleasant Hill, Mo.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Cedar Rapids, Iowa.

J. E. LAPES

The Leading Florist of Cedar Rapids,

Will fill your orders for Designs and Cut Flowers in Iowa and the Middle West.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.

To out-of-town florists

We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Name Index to Retail Florists
Filling Telegraph Orders.

Anderson Floral Co., The, Anderson, S. C.
Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J., Philadelphia.
Heint & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, florist, Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 5th Ave., New York.
Malandrie Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York; Cor. 14th and G Sts., Washington, D. C.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wittbold Co., Geo. 737 Buckingham Pl., Chicago.
Wolkskill Bros., 216 W. 4th St., Los Angeles, Calif.
Young's, 1406 Olive St., St. Louis, Mo.
Young & Nugent, New York.

Boston, Mass.



"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

43 BROMFIELD STREET.

Mention the American Florist when writing

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones:

1552-1553 Columbus. Choice Cut Flowers

Mention the American Florist when writing

Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

M. D. REIMERS

Successor to Chas. W. Reimers,

.....223 S. Fourth Avenue

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JULIUS BAER,

138-140 E. Fourth St.

Long Distance Phone.

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J. B. BOLAND

Successor to Sievers & Boland

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60 KEARNEY STREET.

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Kalamazoo and Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Mention the American Florist when writing

Anderson, S. C.

THE ANDERSON FLORAL CO.

508 MARSHALL AVE.

Mention the American Florist when writing

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



**WASHINGTON
D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388, Cumb. Main 1388 A.
.....634 Fourth Avenue.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Mention the American Florist when writing

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Filling Telegraph Orders.**

Albany, N. Y.—Eyles, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 133 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Ell Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg F. & P. Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schultz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Nashville, Tenn.—Geny Bros.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—J. G. Hehl & Son.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Chicago

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty. 216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

THERE will be a hearing on the new seed bill at Washington, D. C., January 17.

RENEW subscriptions promptly so that no copies of the papers may be missed.

NEW YORK.—A. T. Boddington shipped a carload of tuberoses to Europe December 29.

VISITED CHICAGO:—J. S. Michael, of the Sioux City Seed & Nursery Co., Sioux City, Ia.; John C. Bodger, Los Angeles, Calif.

A MEETING of the executive committee of the American Seed Trade Association will be held at the Hotel Ponchartrain, Detroit, Mich., January 11.

CHICAGO.—Prices on the board of trade January 4 for grass seed were noted as follows: Timothy, \$9 to \$10 per 100 pounds. White clover, from \$22 to \$30.

SEEDSMEN should write their congressman at once demanding a square deal in the new seed bill (H. R. 29163) now pending. The text of the bill will be found on page 1219 of this issue.

JOHN C. BODGER, of the John Bodger & Sons Co., Los Angeles, Calif., is taking orders for the Hogue-Kellogg Co.'s beans this year in addition to his usual line. Mr. Bodger left Chicago for the East January 3.

W. ATLEE Burpee & Co. are sending their friends a very attractive paper-weight in the form of a mirror, "Seeds That Grow" being exploited on the back by means of a very good looking pansy in colors.

McHUTCHISON & Co., New York, advise up that they recently received 1,033 cases of lily of the valley pips in one day and believe this to be the record for one day's receipts. It is claimed the crop is short this year and that next season's product will be still smaller with a higher range of prices. American growers, it is stated, secure the best grade of German pips, the medium grades going to Russia and other European countries, while German growers use the inferior grades.

Advance Sale of Dutch Bulbs.

One of the representatives of a prominent Holland house says that American buyers are mainly responsible for the gradual extension of the time of placing American orders for Dutch bulbs. Formerly it was the custom to withhold the orders until the flowering quality of previous shipments was known. Now the orders are placed irrespective of this information to such a degree that the selling season, through the competition of many Dutch travelers, each striving to be ahead of the other, now extends over the greater part of the year.

That New Seed Bill.

On December 13 there was introduced into the House of Representatives a bill, now known as H. R. 29163, and the same was referred to the Committee on Interstate and Foreign Commerce and ordered to be printed. Every seedsman should protest against this iniquitous proposed act, which puts every seedsman under a prison penalty law and is intended to put the seed business at once and forever into the disreputable class, carrying as it does the assumption that this industry is so conducted that an unreasonable number of those engaged in it are dishonest.

This bill can be fought and should be fought on the broad, fundamental ground that Congress has no right to put such a ban on any reputable industry until it is shown by open and unbiased hearings in various sections and by census and custom house records that there does exist in this trade dishonest practices beyond the usual average run of human misdoings. The best men in the trade claim that the average of commercial honesty in the seed trade excels that of most others and does so of necessity because misdeeds in seed sales are known in a few weeks and no merchant could succeed for even two seasons who knowingly sold bad seeds.

Seedsman who value their reputation and the reputation of their industry, down to the future generations, should get busy now and demand, before such a disgraceful law is put upon them, that just and ample proof is furnished of this dishonesty assumed by the proposed bill, before they allow themselves to be put into the class with patent medicines, pettifogging lawyers and get-rich-quick concerns. The text of the bill is printed on page 1219 of this issue—read it. Write your congressman, or go and see him, or both. Do it now.

California Conditions.

During my 18 years' experience in the seed growing business in this state the present season is the very worst I have ever had in getting the land in condition for seed. The rain gauge at Gilroy shows a total of .55 of an inch of rain for last fall and up to today this winter. This amount came in several sprinkles and was evaporated the next day by the north winds, so that there is no moisture in the ground, which is as hard and dry as it was last summer.

We have succeeded in plowing our ranches with the aid of extra horses and steam traction engines and we are now working it down into condition by using heavy rollers, disc harrows and weighted clod mashers. It is necessary to go over the land five and six times with these implements pulled by four, six and eight-horse teams before we can do any sowing and then the land is not in the best possible condition. The cost of seeding the land is three or four times as much as in an ordinary season when we have occasional rains. And what is worse, the seed is in the dry ground and it is questionable if it will germinate even if we get rains in the near future. So far we have not had one indication of a good general storm. A good rain in California, especially the Santa Clara valley, is always preceded by several days of south wind, but this fall and winter we have not had any south wind and the rain we had was all licked up by the north or dry winds.

Onion bulbs are all in dry land and have not started any growth. We have several hundred acres seeded to radish and sweet peas but I doubt if there is a seed sprouted in this whole lot. It is simply out of the question to sow such small seed as lettuce as this must have an extra fine seed bed. Usually at this time of the year we are looking over our books to see if anything has been neglected, seeding is about done and we are watching to see that we have a stand and making all preparations for our spring work; but this season we might say that we have not yet begun and we have practically all our work still to do. Taken as a whole, it looks as if we can only expect a small average crop and only this much in case the season is normal from this time on. Too much time has already passed for us to expect a full crop.

WALDO ROHNERT.

Gilroy, Dec. 30, 1910.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



Our New Catalogue Will Be Ready at Christmas.

SEEDS

**PEDIGREE STOCKS of
Vegetable and Flower Seeds for
Market Growers and Florists.**

Radish, Sparkler.

A splendid new variety. Bright scarlet top, with large, pure white base. The two colors are sharply divided and do not merge one into the other, as in the old Red Turnip White Tip. Quite distinct. Very dainty appearance on the table. \$40 per 100 lbs.

New customers are requested to send cash with order or usual references.

WATKINS & SIMPSON, Ltd., 12 Tavistock Street, Covent Garden,
LONDON, ENGLAND.

—FOR—

SEEDS

OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Mention the American Florist when writing

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yellow Bird Millet, \$1.75
Fancy Hemp Seed, 2.75	Bird Vetches, 2.25
Sicily Canary Seed, 2.62	Red Bird Millet, 2.25
German Bird Rape, 3.50	Canada Field Peas, \$1.50 per bushel.

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLGIANO & SON,** Importers and Wholesalers, Baltimore, Md. Established for 92 years.

Mention the American Florist when writing

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

SEVEN TOP

Seed Merchants whose supplies of SEVEN TOP TURNIPS are under their requirements are requested to ask for prices, at same time naming quantities they are short.

D. LANDRETH SEED CO.,

Bloomsdale Farms, Bristol, Penna.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Sons,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.** and Wisconsin.

Mention the American Florist when writing

Sioux City Seed & Nursery Co.

Sioux City, Iowa.

Contracting growers of Peas, Beans and famous Sweet Corn. Introducers of the White Mexican Sweet Corn.

Mention the American Florist when writing

Danish Seeds

If you take interest in Cabbage, Cauliflower, Carrot, Mangel, Swede and Turnip, please apply to

CHR. OLSEN, Wholesale Seed Grower, Odense, Denmark, (Established 1862) in order to have your name placed on my mailing list.

Mention the American Florist when writing

Telegraph Code

Am. Seed Trade Association

—\$2.00—

In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

Shakespeare is said to have possessed a brain-vocabulary of about 15,000 words; Webster about 8000; while the average man has perhaps 1000. Now the English language is simple as compared with the Japanese. The modern printer in Japan must make a selection from about 8000 characters to "set-up" even an ordinary story. These characters stand for words and sometimes whole sentences. Just think it over before you begin to study that interesting language. The Japanese children now study English in many schools in Japan, and in the course of time it will not be so difficult to get together. Perhaps then we can go into the bulb fields and talk English to the growers. It can't be done now, however, and it takes a well educated Japanese to be a successful bulb merchant.

Mr. Arai is one of the ablest men in the business; a man conversant with all the ins and outs; the people; their products; and the value of a lily bulb, from A to Z. He is personally in the fields much of the time and among the growers all of the time. **Horseshoe Brand** lily bulbs are marketed under his personal supervision, and they are the choicest from the Orient. The prices are reasonable. Write us.



**Ralph M. Ward
& Company**

"Not How Cheap—
But How Good."

12 WEST BROADWAY,

NEW YORK

All varieties and sizes of
Cold Storage Bulbs on hand.

Onion Sets

Carlots or Less.

We can save you some money on Onion Sets, write or wire us for prices and samples stating quantity and colors you want.

ALBERT CROLL & CO.

Shippers of Fruits, Vegetables and Produce.
193 South Water Street, CHICAGO.

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

—CHOICE GERMAN—

FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents

FREDERICK ROEMER,

Seed Grower, Quedlinburg, GERMANY.
Mention the American Florist when writing

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,

37 East 19 St., New York
bet. Broadway and 4th Ave..

Telephone 4235 Gramercy.

Mention the American Florist when writing

St. Louis.

With good weather the supply of flowers increased after Christmas. Everything being plentiful except carnations. The prominent cafes, restaurants and hotels gave New Year's eve parties, and several florists furnished decorations. Next week will be opera week, which will cause a demand for flowers. Sweet peas are somewhat plentiful, especially the colored varieties.

NOTES.

John Nyflot, whose greenhouse and residence are opposite the main entrance at Calvary cemetery, did an immense trade in spruce at Christmas.

Fred Amman is cutting heavily in American Beauty roses. The cut of short lengths Friday was over a thousand.

Ostertag Bros., Riessen Floral Co., and the Paris Floral Co., had large decorations for New Year's eve parties.

Otto Sanders windows with electric accessories are a very pretty and attractive sight.

John F. Wilcox, of Council Bluffs, Ia., has started to ship roses again to this market.

The Oakland Floral Co. is sending in some extra fine carnations to this market.

C. Young & Sons Co., will have the decorations at the coming annual Imperial ball.

F. H. Weber had a splendid trade Christmas and New Years. He always keeps the latest novelties. W. F.

KANSAS CITY, Mo.—Visitors this week were Horace Cheeseman, representing Vaughan's Seed Store, Chicago; Arnold Ringier, representing the W. W. Barnard Co., Chicago; Guy Reburn, representing A. Henderson & Co., Chicago; Allister Currie, representing A. Currie & Co., Milwaukee, Wis.



Dreer's Double Petunias.

OUR DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer 15 distinct varieties, in strong, 3-inch pots, which will quickly furnish an abundance of cuttings. Strong, 3-inch pots, 75c per doz.; \$6.00 per 100; the set of 15 for \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS.** Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1/4 oz.

Our Quarterly Wholesale Price List, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

The above prices are for the Trade only.

HENRY A. DREER, Philadelphia, Pa.

—TO THE TRADE—

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

An UP-TO-DATE SEED CATALOG

Aggeler & Musser's 144 page 1911 Seed Catalog Has Just Been Received.

The Lithograph cover is a work of art. And the 144 pages are full of information valuable to the **RANCHER or GARDENER**, particularly to the beginner. If you have not received their Catalog, be sure and send for it at once.

AGGELER & MUSSER SEED CO.
113-15 No. Main St., Los Angeles, Cal.

For Sale.

1000 lbs. surplus Onion Seed
1910 crop.

N. J. WESTERMAN
Contract Onion Seed Grower.
BEUCHEL, KY.

Seeds Fresh Seeds

"For Early Sowing."	Trade pkt.	Oz.
Salvia, Clara Bedman, "Bonfire"....	\$0.25	\$2.25
Salvia, Splendens.....	.15	1.00
Verbena, S. & I. Choice Mammoth		
Mixed.....	.25	1.50
Verbena, S. & I. Choice Mammoth, separate colors.....	.25	1.25
Lobelia, Crystal Palace Compacta...	.25	
Lobelia, Speciosa (Trailing).....	.15	
Begonia Luminosa, fiery, dark scarlet	.40	
Begonia Vernon.....	1-16 oz., 50c	.25
Petunia, Giants of California.....		
	1-16 oz., \$2.00	.50
Asters (Vick & Hill grown). See catalogue.		



Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia, Pa.

Send for our new catalogue.

Onion Seed -- Onion Sets

We are Extensive Growers and Dealers
Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

Schilder Bros., Chillicothe, O.

Another Seed Bill Proposed.

A Bill to regulate commerce among the States and with foreign nations, and to prevent the transportation of adulterated and Misbranded Seed and Bulbs, and for other purposes. By Mr. Mann, December 13, 1910.—Referred to Committee on Interstate and Foreign Commerce and ordered to be printed. 61st Congress, 3rd Session, H. R. 29163.

PAGE 1.

A bill to regulate commerce among the States and with foreign nations, and to prevent the transportation of adulterated and misbranded seed and bulbs, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*
3 That the introduction into any State, Territory, or District
4 of the United States from any other State, Territory, or Dis-
5 trict, or from any foreign country, or the shipment to any
6 foreign country of any seed or bulbs adulterated or mis-
7 branded, within the meaning of this Act, is hereby pro-
8 hibited; and any person who shall knowingly ship or deliver
9 for shipment from any State, Territory, or District of the United
10 States to any other State, Territory, or District of the United
11 States, or to a foreign country, or who shall receive in any State,
12 Territory, or District from any other State, Territory, District,
13 or foreign country, and having so received shall knowingly

PAGE 2.

1 deliver or offer to deliver in original unbroken packages, for
2 pay or otherwise, to any other person any seed or bulbs adul-
3 terated or misbranded, within the meaning of this Act, shall
4 be guilty of a misdemeanor, and for such offense be fined not
5 exceeding two hundred dollars for the first offense and for
6 each subsequent offense be fined not exceeding five hundred
7 dollars or be imprisoned not exceeding one year, or both, in
8 the discretion of the court: **Provided, however,** That this Act
9 shall not apply to seed or bulbs to be used solely for propaga-
10 tion or testing and not for sale or distribution: **And provided**
11 further, That nothing in this Act shall be held to prohibit
12 the transporting, handling, and storing of seeds and bulbs
13 for the purpose of being cleaned, mixed, graded, or labeled
14 before being offered for sale for seeding purposes.

15 SEC. 2. That the Secretary of Agriculture shall make
16 uniform rules and regulations for carrying out the provisions
17 of this Act, and, for the same purpose, may from time to
18 time publish standards for different kinds and varieties of
19 seed and bulbs and for different grades of the same kind or
20 variety of seed or bulbs.

21 SEC. 3. That the term "seed," as used in this Act, shall
22 include vegetable, flower, cereal, grass, clover, forage plant,
23 and other agricultural and horticultural seeds intended for
24 seeding purposes.

PAGE 3.

1 SEC. 4. That for the purposes of this Act seeds and
2 bulbs shall be deemed to be adulterated—

3 First. If seed purporting to be orchard-grass seed con-
4 tain more than three per centum of seed of rye grass or meadow
5 fescue; if seed purporting to be Kentucky blue-grass seed con-
6 tain more than three per centum of seed of Canada blue-grass;
7 if seed purporting to be red-clover seed contain more than
8 three per centum of seed of yellow trefoil; if seed purporting
9 to be alfalfa seed contain more than three per centum of seed
10 of yellow trefoil, burr clover, and sweet clover, singly or
11 combined; or if any seed or bulbs purporting to be of one
12 kind or variety contain more than five per centum of another
13 kind or variety: **Provided,** That no seed or bulbs shall be
14 deemed to be adulterated, within the meaning of this para-
15 graph, when accompanied by a statement or label in the form
16 and manner prescribed by the rules and regulations in this
17 Act provided for giving the names and amounts or proportions
18 of the kinds or varieties of seed or bulbs contained therein.

19 Second. If seed of any kind or variety of clover, alfalfa,
20 or flax contain more than one seed of dodder to three thousand
21 seeds of clover, alfalfa, or flax, respectively; or, if any seed
22 contain weed seed to an extent which renders it unfit for
23 seeding purposes.

24 Third. If any seed or bulbs contain, respectively, dead
25 seeds or dead bulbs or other matter in sufficient quantities to

PAGE 4.

1 materially reduce the value for seeding or planting purposes:

2 **Provided,** That no seed or bulbs shall be deemed to be adul-
3 terated, within the meaning of this paragraph, when accom-
4 panied by a statement or label in the form and manner pre-
5 scribed by the rules and regulations in this Act provided for
6 giving the amounts or proportions of live seed or bulbs and
7 other matter contained therein.

8 Fourth. If there shall be knowingly added to seed any
9 weed seed or dead seed, or any other matter materially re-
10 ducing its value for seeding purposes: **Provided,** That it shall
11 not be construed as a violation of this paragraph to blend
12 different lots of seed of the same kind or variety which are
13 not themselves adulterated, within the provisions of this Act,
14 or to mix different kinds or varieties of seed when named and
15 labeled so as to plainly show the same to be a mixture.

16 SEC. 5. That, for the purposes of this Act, seed and
17 bulbs shall be deemed to be misbranded—

18 First. When one kind or distinguishable named variety
19 of seed or bulb shall be offered for sale under the name of
20 another kind or distinguishable named variety of seed or bulb.

21 Second. If in package form and the quantity of the
22 contents is stated, they are not plainly and correctly stated in
23 terms of weight, measure, or count, or if the package shall
24 not plainly show the year in which the seed or bulbs were
25 packaged.

PAGE 5.

1 Third. If the seed or bulbs be falsely labeled or branded
2 as to the State, Territory, locality, or country in which raised
3 or produced.

4 Fourth. If the package containing it or its label shall
5 bear any statement, design, or device concerning the seed or
6 bulbs contained therein, which statement, design, or device,
7 shall be false or misleading in any material particular, or if
8 the contents of the package as originally put up shall have
9 been removed in whole or in part and other contents shall
10 have been placed in such package.

11 SEC. 6. That whenever the Secretary of Agriculture
12 shall have made public, in accordance with the provisions
13 of this Act, any standards of seed and bulbs it shall be law-
14 ful for seed and bulbs complying in all respects with the
15 standards so published by the Secretary of Agriculture to
16 bear upon the label, together with the name of the article,

17 the inscription "United States Standard;" and any person
18 who shall use such inscription or words of similar import
19 in any way as descriptive of any seed or bulb, subject to the
20 provisions of this Act, which does not comply with the
21 standards so published by the Secretary of Agriculture, shall
22 be guilty of a misdemeanor, and for each offense be fined not
23 exceeding one thousand dollars.

24 SEC. 7. That no dealer shall be prosecuted under the
25 provisions of this Act when he can establish a guaranty,

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1 signed by the wholesaler, jobber, producer, or other party
2 residing in the United States from whom he purchased such
3 articles, to the effect that the same are not adulterated or
4 misbranded within the meaning of this Act, designating it.
5 Said guaranty to afford such protection shall contain the
6 name and address of the party or parties making the sale
7 of such articles to such dealer, and in such case said party
8 or parties shall be amenable to the prosecutions, fines, and
9 other penalties which would otherwise attach, in due course,
10 to the dealer under the provisions of this Act; but it shall
11 not be lawful to place on any package or container of seed
12 or bulbs any label showing that the same are guaranteed
13 under this Act unless such label further shows that the
14 guaranty is by the producer or wholesale or other dealer,
15 nor unless such label further complies with the rules and
16 regulations to be made by the Secretary of Agriculture, as
17 herein provided for.

18 SEC. 8. That if any seed or bulbs that are adulterated
19 or misbranded within the meaning of this Act and are being
20 transported from one State, Territory, or District to another
21 for sale, or, having been transported, remain unloaded, un-
22 sold, or in original unbroken packages, or if the same be
23 sold or offered for sale in any Territory or District, or are im-
24 ported from a foreign country for sale, or are intended for
25 export to a foreign country, shall be liable to be proceeded

PAGE 7.

1 against in any district court of the United States within
2 the district where the same are found, and seized for con-
3 fiscation by a process of libel for condemnation. And if any
4 such seed or bulbs are condemned as being adulterated or mis-
5 branded, within the meaning of this Act, the same shall be
6 disposed of by destruction or sale, as the court may direct, and
7 the proceeds thereof, if sold, less the legal costs and
8 charges, shall be paid into the Treasury of the United
9 States: **Provided, however,** That upon the payment of the
10 cost of such libel proceedings and the execution and de-
11 livery of a good and sufficient bond to the effect that such
12 seed or bulbs shall not be sold or otherwise disposed of
13 contrary to the provisions of this Act, or the laws of any
14 State, Territory, or District, the court may by order direct
15 that such seeds or bulbs be delivered to the owner thereof.
16 The proceedings of such libel cases shall conform, as nearly
17 as may be, to the proceedings in admiralty, except that either
18 party may demand trial by jury of any issue of fact joined in
19 any such case, and all such proceedings shall be at the suit
20 of and in the name of the United States.

21 SEC. 9. That the Secretary of the Treasury shall deliver
22 to the Secretary of Agriculture, upon his request, from time
23 to time samples of seed and bulbs being imported into the
24 United States or offered for import, giving notice thereof to
25 the owner or consignee, who may appear before the Secre-

PAGE 8.

1 tary of Agriculture and have the right to introduce testi-
2 mony, and if it appear from the examination of such samples
3 that any seed or bulbs offered to be imported into the United
4 States are adulterated or misbranded within the meaning
5 of this Act, or are otherwise falsely labeled in any respect,
6 or are of a quality forbidden entry into or forbidden to be sold
7 or restricted in sale in the country from which exported, or are
8 intended for adulteration purposes, or contain dead seed or
9 dead bulbs, or other matter in sufficient quantity to materially
10 reduce the value for seeding or planting purposes, the said
11 seed or bulbs shall be refused admission under such regulations
12 as the Secretary of the Treasury may prescribe: **Provided,**
13 That the Secretary of the Treasury may deliver to the con-
14 signee such seeds or bulbs, pending examination and decision
15 in the matter, on execution of a penal bond for the amount
16 of the full invoice value of such seed or bulbs, together with
17 the duty thereon, and on refusal to return such seed or bulbs
18 for any cause to the custody of the Secretary of the Treasury
19 when demanded, for the purpose of exclusion from the
20 country, or for any other purpose, said consignee shall forfeit
21 the full amount of the bond: **Provided further,** That such
22 seed or bulbs may be reclaimed in accordance with such
23 rules and regulations as may be prescribed by the Secretary
24 of Agriculture, and when so reclaimed as to comply with the
25 provisions of this Act, the seed shall be released to the con-

PAGE 9.

1 signee or owner, but the screenings removed from such seed
2 or bulbs shall be disposed of in the manner prescribed by the
3 Secretary of Agriculture.

4 SEC. 10. That the term "Territory" as used in this Act
5 shall include the insular possessions of the United States.
6 The word "person" as used in this Act shall be construed to
7 import both the plural and the singular, as the case demands,
8 and shall include corporations, companies, societies, and asso-
9 ciations. When construing and enforcing the provisions of
10 this Act, the act, omission, or failure of any officer, agent, or
11 other person acting for or employed by any corporation,
12 company, society, or association within the scope of his
13 employment or office shall in every case be also deemed to
14 be the act, omission, or failure of such corporation, company,
15 society, or association as well as that of the person.

16 SEC. 11. That this Act shall be known, described, and
17 designated as the Pure Seed Act of 1911.

18 SEC. 12. That this Act shall take effect and be in force
19 from and after its passage, except that no penalty of fine,
20 imprisonment, or confiscation shall be enforced for any viola-
21 tion of its provisions occurring prior to the expiration of
22 eighteen months after its passage.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rutenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Prices of Indoor Fruits and Vegetables.

New York, December 31, 1910.—Mushrooms, 50 cents per pound; cucumbers, 20 cents each; lettuce, \$1.50 per dozen heads; tomatoes, 50 cents per pound; radishes, 60 cents per dozen bunches; asparagus, \$7.50 per dozen bunches; grapes, \$1.00 per pound.

Truck Crops.

ED. AMERICAN FLORIST.

I have 25 acres of land, 14 miles from the city, which is part of an old lake bed and exceptionally rich which I intend to truck farm. Can you inform me what to plant to raise the most crops in one year? What crops will pay the best at this distance from the market?

G. S. B.

Very much depends in truck farming on the suitability of the soil for varied crops such as bring good prices for high cultivation. If the location be as described, an old lake bed, care should be taken first to have samples analyzed by competent authorities such as the men in charge at the State Agricultural Colleges. They are able and willing to tell not only the condition physically, or the soil, but will say what is lacking for special crops so that the same may be added without waste of costly materials in the way of fertilizing agents that either are not essential, or even harmful if applied. It is probable that the soil named will prove to be acid, or sour as it is often called, bottom land often is in this condition before being rectified with lime or some other agent. This should be ascertained at the start, also if the soil is naturally well drained, for if not, and a wet season ensues, crops will fail, and it will be very difficult to till the land.

G. S. B., if within easy reach of a large city, can easily sell anything that is well grown and taken fresh to market. It is well to begin with the easier of those crops such as sweet corn of some reliable early variety, early potatoes and peas. These are always in good demand, and the last two named may be followed with celery, this to be planted between alternate rows, and will not interfere with the harvesting of the other crops. Cauliflower should also do well on rich bottom land, but this must first be tested before growing in quantity; these do best late in summer when the cooler nights come. Good head lettuce can also be grown and will sell well at all times; lettuce requires very rich soil, and the same applies to onions which may be tried with every expectation of success. Beans, both the string and Lima varieties, are sure to do well, but only the bush kinds should be tried, the pole varieties cost too much to raise. Tomatoes are always sure of a market either ripe or green, as for pickling; in fact, if you have the right kind of soil, it is possible by intelligent fer-

tillization to raise any crop. First be sure, however, as to your soil, and then go ahead. Many a rich looking piece of land has proved unfitted mechanically for the purpose, but since the days of our Experiment Stations we can find out for a trifling cost just what we need to know before putting a lot of money and energy out at random.

E. O. O.

Baltimore.

UNPROFITOUS WEATHER.

The weather preceding Christmas was anything but propitious for the florists. Snows and sleet, cold rains and colder winds interfered with traffic, made deliveries of plants and flowers critically dangerous and almost broke up the commerce of the street vendors. These conditions continued until Christmas eve, which was more propitious and pleasant. On all sides, except from the market men, were heard satisfactory reports of the business done. Those who had out-door stands could not expose plants to the keen air. The business in immortelles was enormous, and visits to the cemeteries seemed to indicate that there is a growing, rather than a diminishing use of these artificial and unnatural decorations, the covering of snow which remained on the ground not deterring thousands from placing wreaths and crosses on the graves. The general trade of the stores was satisfactory, and plants, made-up arrangements and cut flowers were equally in demand. Roses, perhaps, least of all. For those of light colors, there was practically no inquiry, but red ones were short in offerings and went off at a lively gait. Carnations were not over abundant, though many more came in than were excepted, including, of course, the ever abundant contribution at the season of the sleepy and split-calyx tribes. Nearly all of these were finally worked off, being absorbed by funeral demands, but of roses many remained on the shelves. Violets were none too plentiful, narcissus was ample and there was green enough to go around, lilies were enough to meet calls and gardenias were comparatively scarce. Poinsettias were the favorites of the year, and a great number was sold in all shapes of baskets, pans, cut flowers, etc. The stores made more liberal decorations than usual, it would seem, of their windows, all being attractive and most of them tasteful and the concurring sentiment is that the season's trade exceeds in value that of average years, some of the Charles street people reporting, indeed, good advances over the figures of preceding seasons.

NOTES.

C. J. Fox's new greenhouse and office on Dolphin street is completed and occupied, and is neat and handsome, probably the most tasteful structures devoted to their purposes of any in the city.

The Florists' Exchange reached about its usual average, its supplies being moderately abundant, its help experienced, and its methods well-systematized.

S. B.

BLACK HALL, CONN.—T. L. Brown and J. F. Howard have leased the Black Hall greenhouse. Elmer Steele, the former manager has accepted a position with the Andrews Estate greenhouse at Elmwood, Conn.

Pittsburg.

QUIET MARKET.

Until Friday the market was very quiet, as it usually is after a holiday. Stock piled up a little on the wholesalers but by Saturday evening they were pretty well cleaned up. New Year's day helped a little. Pink roses was the only scarce thing on the market. Saturday noon they could not be had at any price. Bulb stock is moving very slow. Auratum and rubrum lilies find practically no sale at all. Greens of all kinds are very plentiful.

NOTES.

The regular monthly meeting of the Pittsburg Florists' and Gardeners' club will be held Tuesday, January 3, at 8 p. m., at the Fort Pitt. Subject, every one is requested to bring a plant flower or something connected with the florist business and be prepared to talk thereon.

Karl Klinke announces he has severed his connection with the McCallum Co., Inc., and has resigned his office as secretary thereof.

Chas. Cramer, Uniontown, had a banquet Christmas week, using one thousand red carnations on table decorations.

De Forest Ludwig is home from Cornell and is spending the holidays with his parents on the North Side.

Walter Camey, of F. B. Murdock Co., won second prize—player piano—in the Dispatch contest.

G. and J. W. Ludwig, North Side, have been very busy with funeral work.

F. H. Westhoff, Westhoffman, is handing out the smokes. Baby girl this time.

A. W. Smith Co. report their Christmas and New Year's trade as best ever.

South View Floral Co. cut some very fine poinsettias for the Christmas trade.

Geo. Pegaris, McKeesport, is seriously ill with typhoid fever.

Visitors: Jos. Thomas, Greensburg; Dingee, Truin; Geo. F. Huscroft, Steubenville, Ohio.

J.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
selected specimens } 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
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Seeds for the Market Gardener

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 136 page, 25th anniversary, catalogue contains true description and no over-drawn illustrations. Our prices are right quality considered. Market Gardeners are requested to write for our Market Gardeners' Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE,

Box 700
Established 1886

Beatrice, Neb

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(Exhibited as Mrs. Beckwith)

The New Sensational Red Carnation Winning Over All Red Carnations At Indianapolis, in Eight Entries.

By far the finest Red yet introduced. Color intense scarlet. Habit strong and free, producing flowers as large as Beacon and much earlier.

Book Orders Now. Ready January 1st. \$12.00 per 100; \$100.00 per 1000.

THE E. G. HILL CO., RICHMOND,
INDIANA.

Rooted Carnation Cuttings



Ready for Immediate Delivery A No. 1 Stock
guaranteed satisfactory in every respect.

	Per 100	Per 1000
Washington, cerise. a sport from		
Enchantress.....	\$10 00	\$ 75 00
Princess Charming, beautiful flesh		
pink.....	12 00	100 00
Conquest, variegated.....	6 00	50 00
Sangamo, brilliant pink.....	6 00	50 00
Mary Tolman, deep flesh.....	6 00	50 00
Dorothy Gordon, pink, excellent....	6 00	50 00
Scarlet Glow, very good.....	6 00	50 00
J. Whitcomb Riley, yellow.....	6 00	50 00
Shasta, white.....	6 00	50 00
Pink Delight, flesh pink.....	6 00	50 00
May Day, flesh pink, very free.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Winsor.....	3 00	25 00
Winona.....	3 00	25 00
Alvina, cerise.....	3 00	25 00
Aristocrat, cerise.....	3 00	25 00
Afterglow.....	3 00	25 00
White Enchantress.....	3 00	25 00
White Perfection.....	3 00	25 00
O. P. Bassett, scarlet.....	3 00	25 00
Victory.....	3 00	25 00
Beacon.....	3 00	25 00

CHICAGO CARNATION CO.,

A. T. PYFER, Manager

Phone Central 3373.

35-37 Randolph St., Chicago.

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16, 1911.

NASHVILLE, TENN.—At a meeting of the nurserymen from several southern states held in this city the Southern Nurserymen's Protective Association was formed. J. C. Miller, of Rome, Ga., was elected president, and A. I. Smith of Knoxville, secretary.

Nurserymen Lose Suit.

An action was heard before the recorder at the Courthouse, Green street, November 30, at the suit of Messrs. Milne, trading as Dickson & Sons, Edinburgh, against Wm. H. F. Verschoyle, Stephen's Green, to recover the sum of £8 3s. 3d., balance of an account of £28 3s. 3d. for goods consisting of young trees, purchased in March, 1909.

The defense was that a large percentage of the trees failed, and that these, together with the cost of labor in planting the percentage that failed, amounted to over £8. The trees were planted in the County Kildare. The plaintiffs contended that the trees were delivered in proper condition, and that once the defendant accepted and planted them the responsibility of Messrs. Milne ceased.

Mr. Verschoyle and his steward were examined, and gave evidence that out of one lot of 11,000 young firs, nearly 30 per cent died and the former said it was reasonable to expect a death rate of about 10 per cent.

The recorder dismissed the plaintiff's claim. He said the trees were planted in Kildare, and a certain percentage of them over and above what was reasonable failed, and it was quite plain Mr. Verschoyle was entitled to recover the cost of this large percentage of failures. He was also entitled to recover the cost of labor in planting those trees. Mr. Verschoyle sent a check for £20 to Messrs. Milne without prejudice. If they were not satisfied they should have returned the check, but they did not do so. They kept the check and sued for the balance. He thought the action should never have been brought.

Mr. Fullerton (Hamilton & Craig) appeared for the plaintiffs. Gordon Bradley (Bradley & Sons) appeared for the defendant.—Dublin Evening Mail.

If the above report is correct the decision appears to us absolutely preposterous and if sustained would render the position of a nurseryman intolerable. It will be observed that nothing is said as to any complaint with regard to the trees supplied, but simply that the nurseryman was held accountable for the result. Only a fortnight ago we saw a quantity of larch lying out on a bleak hillside without a particle of covering in a bitter wind and no one about. How long they lay there we do not know, but in any case the nurseryman who supplied them would probably be blamed for their failure, and if the above case were taken as a precedent, would be mulcted in damages for the culpable carelessness of his customer. We certainly think that measures should be taken to contest such an unjust verdict.—Horticultural Advertiser, December 7.

Christmas Tree Tax.

The announcement comes from Montpelier, the capital of Vermont, that the legislature of the Green Mountain State is expected to enact a remarkable statute for the purpose of conserving its forests. This measure, we are told, "places a tax of 25 cents

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of **AMPELOPSIS** Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.
Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

on every Christmas tree shipped out of the state. Should this bill pass the Vermont Christmas tree will disappear from the markets of Boston and New York." The statement is also made that the legislature of Vermont has already placed a tax of five cents on Christmas trees.

There is a provision of the constitution of the United States which seems to be somewhat antagonistic to this project of future legislation, and we may add that if there is any existing law in Vermont which assumes to impose an export duty on Christmas trees that also is probably unconstitutional.

Subdivision 2 of section 10, article 1, of the federal constitution provides that no state shall without the consent of Congress "lay any imposts or duties on imports or exports except what may be absolutely necessary for executing its inspection laws," and that all such laws shall be subject to the revision and control of Congress. The proposed tax on Christmas trees "shipped out of the state" would seem to be included within the term "duties on exports" as thus used in the constitution of the United States. That phrase not only refers to exports to foreign lands but to articles exported from one state to another. Thus Justin Story in his classic treatise on the constitution commends this provision which we have quoted, because it prevents petty warfare of regulation and regulates and restrains the states from exercising the power of taxation injuriously to each other and in such manner as to rouse resentments and create dissensions to the ruin of harmony and amity. It is quite possible that the legislature of Vermont pos-

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— AND —

Plants for the Rockery

Put in your orders now for Daphne Cneorum, Calluna Vulgaris, Arabis and Alyssum Saxatile, etc.

Eastern Nurseries,

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— For the Best New and Standard —

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Post Office: Berlin, N. J.

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Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

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Pines and Hemlocks

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Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up: 1000 in 10 distinct kinds, either show, decorative or Cactus our selection of kinds for \$40.00. Cash.

Canna Roots, Strong division, at \$2.00 per 100, \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

sesses the constitutional power to regulate and perhaps to prohibit the sale of Christmas trees within its own borders; but certainly it cannot without the consent of Congress tax their exportation.—New York Sun.

Vaughan's Roses for Forcing

Try the two improved Baby Ramblers:

Jessie,..... per doz., \$5 50; per 100 \$40 00
Phyllis,..... per doz., 3 00; per 100, 22 00
 They are comers. Write for description.

Baby Ramblers

2-year..... per doz., \$2 00; per 100, \$14 00
 3-year..... per doz., 2 50; per 100, 16 00
 ½ standard,..... each 1 00; per doz. 10 00

Mrs. Cutbush

2-year..... per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year..... per doz., \$2 00; per 100, \$15 00
 3-year..... per doz., 3 00; per 100, 18 00
 Standards, 3 to 4 feet..... each 75c

Dorothy Perkins

2-year..... per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year..... per doz., \$3 50; per 100, \$25 00
 Standards, 3 to 4-ft. stem..... each 1 00

Lady Gay

2-year..... per doz., \$3 00; per 100, \$20 00
 Standards, 3 to 4 ft. stem..... each 75c

Tausendschon

2-year..... per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

Anna de Diesbach,..... Magna Charta.
 Baroness Rothschild,..... Mrs. John Laing.
 John Hopper,..... Ulrich Brunner.
 2-year..... per doz., \$1 75; per 100, \$14 00
 Mrs. R. G. S. Crawford, Paul Neyron
 and others.
 2-year..... per doz., \$2 00; per 100, \$15 00

Manetti

French..... 100 1000 5000
 1 50 12 00 50 00

Aucuba Japonica

Variegated foliage, bushy.

18 inch..... each, \$0 75; per doz. \$ 8 00
 18-24 inch..... each, 1 00; per doz., 11 00
 Tubs..... each, 2 50 to \$3 00

Forcing Stock

Azalea Mollis

Fine bush plants, full of buds, each 50c; per doz. \$4.50; per 100 \$35.00.

Deutzias

Gracilis, 7-in. pot grown..... Per doz. 100 \$15 00
 Lemoinei, 7-in. pot grown..... 2 50 16 00

Hydrangea Otaksa

6 and 7 in. pot grown, 3 to 4 flowering stems
 Per doz..... \$5 00; per 100, \$40 00
 7-in. pot grown, 5 to 6 flowering stems
 Per doz..... \$8 00; per 100; \$65 00

Rhododendrons

Best named varieties for Easter forcing.

Each Doz.
 Bushy, well shaped plants, 8-12 buds, \$1 00 \$ 9 00
 " " " " 12-18 buds, 1 25 12 00
 " " " " 18-24 buds, 2 00 20 00

All of this stock is freshly imported and very choice. Early orders receive first attention.

WE ARE HEADQUARTERS FOR

Boston Ferns

Our stock took first prize at the Chicago Flower Show this fall. It is just the kind of stock you need. Order now.

	Each	Doz.	100
2½-inch pot plants.....	\$.10	\$.75	\$ 5.00
3-inch pot plants.....	.15	1.25	8.00
4-inch pot plants.....	.25	2.50	20.00
5-inch pot plants.....	.40	4.50	35.00
6-inch pot plants.....	.75	8.00	60.00
7-inch pot plants.....	1.00	10.00	75.00
8-inch pot plants.....	1.25	14.00	100.00
10-inch pot plants.....	2.50	\$30.00 each.	

Prices are f. o. b. Western Springs, Ill.

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CHICAGO

25 Barclay St.,
NEW YORK.

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class. Won first honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburgh, January, 1910, also at the Chicago Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent more flowers to the plant than Lawson at its best; flowers well shaped on long wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, - - \$ 12.00 Price per 5000 - \$400.00
 Price per 1000, - - 100.00 25 at 100, 250 at 1000 rates.

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
Wisconsin.

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$8 00
 per 100; 3-in. pot plants, \$15.00 per 100; 4-in.
 pot plants, 12-15-in. high, \$35.00 per 100; 5-in.
 pot plants, 15-18-in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½ in. \$5.00 per 100;
 5-in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Sprengeri, Strong 5-in. pot
 plants, 15c.

Rhododendrons, Fancy forcing varieties, 6
 to 8 buds at 60c; 8 to 12 buds at 75c; 12 to 16
 buds at \$1.00.

Dracaena Indivisa, 2½-in pot stock for
 growing on at \$3.00 per 100.

Spiraea, large forcing clumps. Gladstone,
 \$9.00 per 100; Florabunda, \$4.50 per 100;
 Superba, \$6.00 per 100; Blondin, \$6.00 per 100;
 Washington, \$6.00 per 100; Japonica at \$4.00
 per 100.

Hellotrope, Purple, in five good varieties,
 \$3.00 per 100; \$25.00 per 1000.

Boxwood, Bush shape for window boxes or
 pot sale, very bright foliage and bushy, 10 to
 12-in. high \$20.00 per 100; 12 to 15-in. high,
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8000 Whitmani

For Xmas Baskets

These are fine stocky plants just right for
 pans or baskets with other plants. 4-inch
 \$12.50 per 100; 3-in. \$8.00 100.

	Per 100
Superbissima , 4-in.....	\$25 00
3½ in.....	20 00
Todeaoides , 4-in.....	20 00
3-in.....	12 00
Fern Dish Ferns , 2½-in.....	3 50
Asparagus Plumosus , 3-in.....	5 00
2-in.....	2 50

Cash please. We grow plants only, and
 sell exclusively wholesale.

THE REESER PLANT CO.,
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DELPHINIUM FORMOSUM

Hardy Lilies

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IRIS KAEMPFERI, **DAPHNE CNEORUM**
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Write for Prices.

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Geraniums

S. A. Nutt.....\$11.50 per 1000.
Poltvine..... 14.00 per 1000.
Ricard..... 14.00 Per 1000.

As cheap as they can be produced to
 maintain the quality of stock that will give
 you paying results. Let me prove this
 to you by a trial order or send ten cents
 for samples.

Coleus

Verschoffeltii.....\$6.00 per 1000
Golden Bedder..... 6.00 per 1000
 Standards in assortment 5.00 per 1000

Giant leaved, the best collection in the
 country at \$1.25 per 100 or \$10.00 per 1000.
 Cuttings will be well rooted of good size
 and clean, the kind it will pay you to buy,
 I have them in any quantity.
 Terms cash.

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 LANCASTER, PA.

Ferns

Four-inch, heavy, well rooted plants.
Pieroni, **Elegantissima**, **Barrowsi**, \$14.00 per
 100; **Boston**, \$15.00 per 100.

Wagner Park Conservatories
 SIDNEY, OHIO

Send Advs. Early for Best Service.

Roses for 1911

Dark Pink Killarney.

A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. When Killarney is pale, Dark Pink Killarney is bright and cheerful.

Grafted plants only, from 2 1/4 inch pots.
\$20.00 per 100; \$180.00 per 1000.

Lady Cromwell.

A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer and a color that sells.

Grafted plants only, from 2 1/4 inch pots.
\$30.00 per 100; \$250.00 per 1000.

Radiance.

Strong in growth and making plenty of stem. Cerise pink in color.

Grafted plants, \$18.00 per 100; \$150.00 per 1000
Own root, 10.00 per 100; 90.00 per 1000

Double Pink Killarney.

Originating with Robert Scott & Sons, who supply us the wood for grafting. Stronger in growth than Killarney and with at least ten more petals. A wonderful improvement.

Grafted stock only.
\$30.00 per 100; 250.00 per 1000.

Mrs. Aaron Ward.

By far the most pleasing of the yellow roses now on the market. A general favorite and one which will be widely grown, for yellow roses are in demand.

Grafted plants, \$25.00 per 100; \$200.00 per 1000
Own root, 12.00 per 100; 100.00 per 1000

Melody.

We have reserved for our orders own root plants of this choice novelty. No grafted plants.
From 2 1/4 inch pots.

\$30.00 per 100; \$250.00 per 1000.

Prince de Bulgarie

The best prices for cut flowers should be the standard for judging roses, and this rose has been the money getter. Strong and vigorous in growth, and with its beautiful shell pink bloom it has sold on sight. One of the best roses grown.

Grafted plants, \$20.00 per 100; \$180.00 per 1000
Own root, 15.00 per 100; 120.00 per 1000

Killarney, White Killarney, Richmond, My Maryland, Kaiserin Augusta Victoria.

These are the old standards, and we are headquarters for young stock.

Grafted plants \$15.00 per 100; \$120.00 per 1000
Own root, 2 1/4 in., 6.00 per 100 50.00 per 1000

A. N. PIERSON, Inc.,

Cromwell, Conn.

Primroses

	Per 1000	Per 100
Chinese, 2 1/4 in. pot.....	\$12.00	\$1.50
Obs. Alba and Rosea.....	1.50	
Obs. Gigantea.....	2.00	
Asp. Sprengeri.....	2.00	
Alternantheras, red and yellow, R. C.	60	

—Cash—

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Mention the American Florist when writing

ROSES

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Investigate us.

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In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

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Choice Orchid Plants

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We Can Still Supply

IN FIRST-CLASS CONDITION:

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glaucia*. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5 1/2-6-7 in. pots, 15-18 20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elephant 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00; and what do you think a holy terror 30 in. and over, 5-6-7 tiers, worth \$7.00, for only \$1.25 to \$1.50.

Robusta Compacta, *Excelsa Glaucia*, 6 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each.

We also have the nicest *Araucaria Robusta Compacta* and *Excelsa Glaucia*, a house full, for only \$1.25 to \$1.50, worth double.

Primula Chinensis, mostly white, 5 1/4 in., \$2.50 per doz

Asparagus Sprengeri, 2 1/2 in., 3c; 4 in., 10c.

Jerusalem Cherries, or *Solanum* 6 in. pots, 25c, 35c, 50c.; full of ripe berries.



Kentia Forsteriana, in fine shape, 6-in. pots, 30-35 40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30-35-40 in. high, 5-5 1/2-6-7 in. pots, 5-6-7 years old, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine *Boston*, *Scottii*, *Whitmani* and *Scholzii*, 5 1/2 and 6 in., 35c, 40 and 50c; 7 in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on *Scottii*, much shorter and bushier than *Scottii* 5 1/4 in. pots, 50c; 3 in. pots, 25c.

Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Ferns for Dishes, big assortment, 2 1/2 in. pots, at \$4.00 per 100.

Dracena Bruntii, 25 to 30 in. high, 6 in. pots, 40c to 50c. Highly recommended for store and house decoration—stands heat, cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6 in. pan, 25c to 30c.

Cocos Weddelliana, 3 in. pots, 15c, 18c and 20c.

Cineraria Grandiflora, Aschmann's well-known strain, 2 in. pots, \$3.00 per 100; 4 in., 10c.

Now is the time for *Cineraria Hyb.* for Easter. We have a large stock of Aschmann's well-known strain, 4 in. pots, ready for a shift into 6 in., \$10.00 per 100; 2 in., \$3.00 per 100.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants.

1012 W. Ontario St., PHILADELPHIA, PA.

GERANIUMS Rooted Cuttings

On and after Nov. 15, 50,000 at \$12.50 per 1,000. S. A. Nutts, Poitevine, Buchner, Grant, Bertha De Pressilly, Beauty of Richmond, Castellane, A. Ricards, Perkins, E. G. Hill, Decorator, John Daly

B. E. WADSWORTH,

Box 224, Danville, Ill.

Who says it does not pay to think

Then think of the quality of **ASTER SEED** offered by **Smith & Co.** known as **PEERLESS** in **White and Light Pink**. We do not hesitate when we think of the many unsolicited testimonials received from those who have grown the **White**, knowing that the **Pink** is its equal.

Catalogue now ready. Write for copy.

ELMER D. SMITH & CO.,

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World's Choicest Florist and Nursery Products.
RHODODENDRONS.

In all bright colors; fine forcing varieties; good value.
 \$9 00, \$12 00, \$15 00, \$18 00 per doz.

CAMELIAS. Well budded plants, variety of colors, \$15 00, \$18 00, \$24 00 per doz.

ACACIA PARADOXA. Fine plants, \$12 00, \$18 00, \$24 00 per doz.

Pot-Grown Forcing Plants.

	Per 100	Doz.
Azalea Mollis	\$35 00	\$4 50
Deutzia Gracilis	15 00	2 00
Lilac, Charles X. Marie Le Graye , extra size, for 8-in. pots	10 00	10 00
Malus, Flowering Crab	15 00	15 00
Dielytra Spectabilis	6 00	6 00
Aucuba Variegated , for window boxes, 12-15 in.	4 00	4 00
Aucuba , fine plants, 18-24 in.	9 00	9 00

KENTIAS and BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

Nurserymen, Florists and Planters.

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H. P., low budded, 2 yr., fine stock for forcing in pots following varieties:
 \$15 00 per 100; \$120 00 per 1000.

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La France,	Frau Karl Uruschki,	Magna Charta,
Paeonia,	Baroness Rothschild,	Mme. Plautier,
Ulrich Brunner,	Mrs. John Laing,	Mrs. R. G. Sherman
Baron Bonstettin,	Gen. Washington,	Crawford,

Crimson Rambler, home grown, 2 year old, 23 ft. Per doz. 100
 well branched, own roots

2 year old, 2-3 feet, well branched, budded

3 year old, 3-4 feet, well branched, own roots

3 year old, 4-5 feet, well branched, budded

Dorothy Perkins, strong field grown,

Baby Rambler, half standard, 30 in. high,

Lady Gay, 2-year old

Baby Rambler, dormant, field grown, selected, budded

plants,

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

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We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10-12 inches, \$20 00 per 100; 12-15 inches, \$25 00 per 100; 15-18 inches, \$35 00 per 100.

RUTHERFORD, N. J.

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Geraniums, Nutt. Perkins, Grant. La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vland, Castellane, Poitevine Jaulin, Ricard Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns 4 in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C. \$1.00 per 100.
 Cash with order.

GEO. M. EMMANS, Newton, N. J.

Roses in 200

sorts for immediate or spring delivery.

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 SPRINGFIELD-OHIO

JOSEPH HEACOCK CO.

WYNCOTE, PA.

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 2nd size..... 15.00 per 100

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	Per 100	Per 1000
From clean healthy, prize-winning stock, Ready now,	\$2 50	\$22 00
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White Lawson	3 00	25 00
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Awarded a Certificate of Merit by the Horticultural Society of New York.

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Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

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D. U. AUGSPURGER & SONS CO.

Wholesale Florists

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and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Rooted Carnation Cuttings

For December Delivery.

ENCHANTRESS, PERFECTION,

BEACON, \$3.00 per 100;
 \$25.00 per 1000.

ROSE PINK and WHITE

ENCHANTRESS, WINSOR,
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We can fill orders from 1000 to 100,000 and guarantee the stock.

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Verbenas! Verbenas!!

Verbenas!

The Gem Bedding Plant.

Send for circular.

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None better at any price. \$2.50 per 1000; 5000 for \$10.00.

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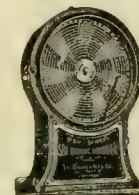
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Gummed Gold, Silver and Purple Letters, Gold and Purple Script Names for inscriptions on Floral Designs. Best and Cheapest on the Market. Send for Samples and Prices.

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¶ It is further evidence of good management, for the 'Morehead' is an investment in both satisfaction and economy.

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¶ By way of getting acquainted, just send your name and address and ask for 'Trap Book.'



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ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia. Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2¼-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong \$6 per 100. Asparagus Sprengeri, 2¼-in., strong, \$2.50 per 100; \$25.00 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2¼-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprengeri, 2¼-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus Sprengeri, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2¼-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengeri, 2¼-in., 3c; 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri and plumosus. Dingee & Conard Co., West Grove, Pa.

Asparagus plumosus, 3-in., \$5 per 100; 2-in., \$2.50. The Reeser Plant Co., Springfield, O.

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Aucuba Japonica, 18 ins., 75c each; \$8 per doz.; 18-24 ins., \$1 each; \$11 per doz.; tubs, \$2.50 to \$3 each. Vaughan's Seed Store, Chicago and New York.

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Azalea mollis, 50c each; \$4.50 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. McHutchison Co., 17 Murray St., New York.

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Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Heller Bros. Co., New Castle, Ind.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Dingee & Conard Co., West Grove, Pa.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

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Cannas, \$3 per 100. Dingee & Conard Co., West Grove, Pa.

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	Per 100	Per 1,000
Sangamo	\$6.00	\$50.00
Mary Tolman	6.00	50.00
White Enchantress	3.00	25.00
May Day	3.00	25.00
Beacon	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winona	2.50	20.00

Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000; Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, R. C., \$13 to \$20 per 1,000 for best standard varieties. Write for quotations. Northwestern Floral Co., Wilmette, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnation Bonfire, \$12 per 100, \$100 per 1,000. The E. G. Hill Co., Richmond, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

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Coleus, G. Bedder, Verschaffeltii, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamens, extra well budded, 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

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Dahlias, \$5 per 100; \$45 per 1,000. Dingee & Conard Co., West Grove, Pa.

DAISIES.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinei, 7-in., \$2.50 per doz; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

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Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena Bruntii, 6-in., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

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ANTARCTICA. A grand commercial tree fern of greatest value, 4-in. stock, \$8 per doz.; \$65 per 100. FERN SEEDLINGS in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 100. ADIANTUM CUNEATUM, 4-in., \$12 per 100. Asparagus plumosus nanus and Sprengeri, 2¼-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Whitmani, 4-in., \$12.50 per 100; 3-in., \$8. Superbissima, 4-in., \$25 per 100; 3½-in., \$20. Todeoides, 4-in., \$20; 3-in., \$12. For dishes, 2¼-in., \$3.50. The Reeser Plant Co., Springfield, O.

Ferns, Boston, 2¼-in. \$30 per 1,000. Whitmani, 2¼-in., \$5 per 100; \$40 per 1,000. Magnifica, 2¼-in. 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, for sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 2¼-in., 4c; 3-in., 5c. Elegantissima, 3-in., 10c; 2¼-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Heavy plants, Boston, 4-in., \$15 per 100. Piersoni Elegantissima, Barrowsi, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns, Scholzei, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns, Whitmaul, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½ in., \$3.50 per 100; \$30 per 1,000. Frank Deehlin, 4911 Quincey St., Chicago.

Neph. Glatrasi, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatrasi, 463 Summit Ave., West Hoboken, N. J.

Ferns, for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beante Poitevine, Mme. Buchner. Strong, healthy cuttings, well rooted, prompt delivery, \$1.50 per 100; \$15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmons, Newton, N. J.

Geraniums. Special offer, see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Poitevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., 5c; 4-in., 10c; \$30 per 1,000. La Favorite, 2½-in., 2c. Mosback Greenhouse Co., Onarga, Ill.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. R. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens of all kinds. For varieties and prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38 Broadway, Detroit, Mich.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Choggin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 50 W. 28th St., New York.

Greens, 50 lb. case smilax, \$1.75. Henry M. Robinson & Co., Nadawah, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Wild smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmons, Newton, N. J.

HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangea arborescens grandiflora, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangeas Olakun, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X. 50c each; \$5 per doz. Jackson & Perkins Co., Newark, N. Y.

Lilacs, Jaes Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the valley. Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley. Premium dormant, \$12 per 1,000. International dormant, \$10. London Market (storage), \$14. Vaughan's Seed Store, Chicago.

Lily of the valley. For prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jaes Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, French, \$1.50 per 100; \$12 per 1,000; \$50 per 5,000. Vaughan's Seed Store, Chicago and New York.

Manetti, English, \$12 per 1,000. French, \$10. Jackson & Perkins Co., Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Hydrangea paniculata, Grandiflora, Viburnum plicatum, altheas, Berberis, Thunbergia, California privet, Clematis paniculata. For prices see advertisement elsewhere in this issue. Dinze & Conard Co., West Grove, Pa.

Aristolochia Siphon, 3-yr., strong, \$15 per 100. Cornus Amomum, 2-3 ft., \$6. White Snowberry, 2½-3½, \$6. Crataegus Oxycantha, 2½-3½, \$6. Write for additional surplus list. Henry Lake Sons, Black River Falls, Wis.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, finkias, Japan maples, hydrangeas, Jaes Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rocky. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. De Long, Cristobal, Panama.

PANSIES.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms, Kentia Bel., 2½ in., \$8 per 100; 3 in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias, Joseph Hancock Co., Wynecote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, all vars. Jaes Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PETUNIAS.

Petunias, double, 3-in., 75c per doz.; \$6 per 100; set of 15 for \$1. Seed of fringed, 75c per 500 seeds; \$1.50 per 1,000 seeds; single, 50c per grade pkt.; \$1 per 1-16 oz.; \$1.50 per 1/8 oz. Henry A. Dreer, Philadelphia.

PRIMULAS.

Primroses, Chinese, 2½-in., \$1.50 per 100; \$12 per 1,000. Obc. alba and rosea, \$1.50 per 100. Obc. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula chinensis, 5½-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia. Schwann, 1012 W. Ontario St., Philadelphia.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$1 per 100. They are fine plants. Cash, please. J. W. Miller, Shrewstown, Pa.

Primula Kewensis, good, strong plants, 3-in., \$5 per 100; 4-in., \$7. Stuppy Floral Co., St. Joseph, Mo.

Primula obconica, 5-in., \$15 per 100. Mosback Greenhouse Co., Onarga, Ill.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons, Jaes Smits, Naarden, Holland.

ROSES.

Roses, budded-field, grown H. P., extra fine, roots and tops. Fran Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding, H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses for 1911. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses. Dinze & Conard Co., West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.
 Roses, leading varieties. Leedie Floral Co., Springfield, O.
 Roses. McHutchison & Co., 17 Murray St., New York.
 Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, stocks. For varieties and prices see advertisement elsewhere in this issue. Fottler, Fiske, Rawson Co., 12 Faneuil Hall Sq., Boston, Mass.

Seeds. Vaughan's new crop flower seeds. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, Eng.

Seeds, cabbage, cauliflower, carrot, mangold, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiano & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, aster. Elmer D. Smith & Co., Adrian, Mich.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds of all kinds. A. Henderson & Co., 51 Wabash Ave., Chicago.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seeds for market gardeners. German Nurseries and Seed House, Box 700, Beatrice, Neb.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds, John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, growers of peas, beans, sweet corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratchkins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle pines, 2 to 4 ft., \$3.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Forcing tomatoes, Comet and Lorillard, 2½-in., \$2 per 100. Roney Bros., West Grove, Pa.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. O., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata, R. C., \$1 per 100; 2½-in., \$2.50 per 100. Mosbek Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmaus, Newton, N. J.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Violets, field-clumps, \$6 per 100. Dingee & Conard Co., West Grove, Pa.

WHOLESALE CUT FLOWERS.**Commission Dealers.**

Amling Co., E. C., 32-36 Randolph St., Chicago.
 Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.

Deamund Co., J. B., 51 Wabash Ave., Chicago.
 Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.
 Froment, Horace E., 57 W. 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Lery, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCollough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S., 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robison & Co., H. M., 15 Province St., Boston.

Sheridan, Walter P., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wieter Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyles, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston.—Thos. F. Galvin, Inc., 124 Tremont St.

Boston.—Hoffman, 5961 Mass. and Commonwealth Aves.

Boston.—Penn, the Florist, 43 Broomfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cedar Rapids, Ia.—J. E. Lapes.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Eli Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Nashville, Tenn.—Geny Bros.

New York—David Clark's Sons, 2139 Broadway.

New York—Dard's, 44th and Madison Ave.

New York—Alex McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small and Sons.

New York—Young and Nugent.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Philadelphia—J. J. Habermehl's Sons.

Philadelphia—Robt. Kift, 1725 Chestnut.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

Rockford, Ill.—H. W. Buckbee.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plainville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchens & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.
 920 Randolph St. Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points. Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 28th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchens & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord and Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart, \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

MATS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kennecott, Pa.

MISCELLANEOUS.

Building and propagating sands, fire brick, fire clay, Portland cement, stonekote and hard wall plaster. E. I. W. Damp resisting paint. Garden City Sand Co., Chamber of Com. Bldg., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Draper's recording thermometers, 14x20 ins., \$30; 9x14 ins., \$20. The Draper Mfg. Co., 152 Front St., New York.

Model extension carnation support; galvanized rose stakes. Igoo Bros., 286 N. 9th St., Brooklyn, N. Y.

Tree tubs. For prices and sizes see advertisement elsewhere in this issue. American Woodenware Mfg. Co., Toledo, O.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower boxes. For sizes and prices see advertisement elsewhere in this issue. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Vacuum heating system. Chicago Pump Co., 1661 Fulton St., Chicago.

Glass for greenhouses. W. R. Jones & Co., 502 Union Nat. Bk. Bldg., Columbus, O.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Gummed gold, silver and purple letters. J. Lichtenberger, 1566 Avenue A, New York.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston.

POTS, PANS, ETC.

"NUF-SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, \$5c; 500 for \$3; \$5.50 for 1,000.

Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

A. DIETSCH COMPANY

2642 Sheffield Ave.
CHICAGO



Greenhouse Material

Hot Bed Sash

Do you wish to have a perfect gutter, lasting, not leaking, not sweating? Use our Cedar Gutter.

Trade Directory

OF THE

United States and Canada

Price \$3.00 Postpaid.

American Florist Co.,

324 Dearborn St., CHICAGO.

NOW READY—New 1910 Edition

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



This T shaped plan of Curvilinear Palm house and three curved eave wings was recently completed at Oakdale, N. J.



From this side you see the difficulties of such a location and how successfully they were met

Curved Eave Houses are the Thing These Days.

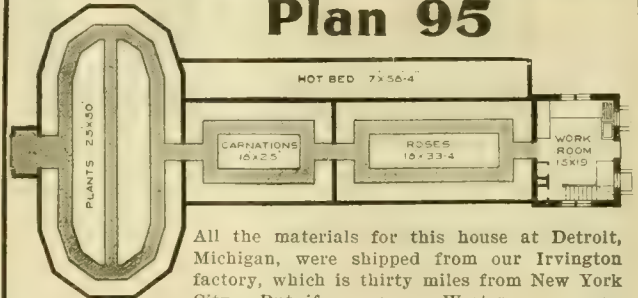
We have the model way of building them to obtain greatest light, the strength needed and the attractiveness you want. Send for information.

HITCHINGS & COMPANY

1170 Broadway, NEW YORK.



Plan 95



All the materials for this house at Detroit, Michigan, were shipped from our Irvington factory, which is thirty miles from New York City. But if you are a Westerner, we can save you that freight now, because our new factory near Chicago will be working merrily along first of the year. If you want immediate attention just write to Mr. Sykes at The Rookery, Chicago, and you will get quick action.

Lord & Burnham Co.

Irvington, N. Y.

New York Boston Philadelphia Chicago
St. James Bldg. Tremont Bldg. Heed Bldg. The Rookery

Cleveland.

SATISFACTORY BUSINESS.

The cut-flower business for the holidays has been entirely satisfactory. Stock was plentiful in all varieties and grades with the exception of red carnations and red roses, which were short of the demand. The stock at Christmas was perhaps of as good quality as it has ever been. Roses of all kinds were plentiful between Christmas and New Year and the quality was exceptionally fine. Carnations are not yet overplentiful and the price continues good. Paper-White narcissus and Stevia are plentiful. Valley is having a good call and New Year's day were rather scarce. Easter lilies are beginning to arrive in increasing numbers and callas are quite plentiful. Sweet Peas are in good demand, but the supply has been short. The retail florists generally report a good holiday business. A few shipments of flowering plants arriving here shortly before Christmas were frozen stiff and several growers have claims on the express companies.

NOTES.

Saturday, January 14, 1911, is the day set for the first game between the Cleveland and Alliance florists' bowling teams. All florists interested in the success of either team should kindly communicate with George W. Smith of the Cleveland Florists' Exchange, who will give any information desired. The game is to be played in Alliance, and a good sized delegation is expected to go.

Miss Getz, of the firm of Westman & Getz, deserves to be congratulated on her clever and original ideas of decorating plants for the holiday trade. For about two whole weeks before Christmas this store was a perfect bower of beauty. She says that she has never been so well pleased with the results of her labor.

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

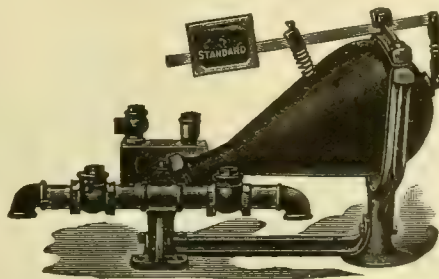
TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

MANUFACTURERS OF
The Gutter with a Reputation

Mention the American Florist when writing



The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O

Mention the American Florist when writing

Frank A. Friedley, foreman of the J. M. Gasser Co.'s plant in Rocky River, was married to Miss Anna M. Dress, of this city, on the twenty-eighth of December. Mr. Friedley is well known among the florists, who join in congratulating him and his bride.

The Flower Shop, E. C. Rock and W. J. McNulty, proprietors, doing busi-

ness at 1282 Euclid avenue, closed their doors this week.

C. F. B.

MARYVILLE, MO.—Alfred & F. A. Engelmann have bought the stock and good will and leased the greenhouses of Peter Mergen & Co. This will give them a fine location and the necessary room to meet their increasing business.

Directory for 1910

*Price \$3.00
Postpaid.*



THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

*Contains
570 Pages.*

Directory for 1910



ADVANCE MACHINES

combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.

THE ADVANCE CO.,
RICHMOND, IND.

Mention the American Florist when writing

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Mention the American Florist when writing



**EVANS' IMPROVED
CHALLENGE
VENTILATING
APPARATUS**
WRITE FOR CATALOGUE
QUAKER CITY MACHINE WORKS
2222 E. 12TH ST. PHILADELPHIA, PA.

Mention the American Florist when writing

Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St.,
NEW YORK.

Helena, Mont.

The florists all report the Christmas trade as above the average. There was an exceptionally large supply of both cut flowers and plants.

NOTES.

The State Nursery Co. has glowing hopes for a busy seed season. The seed department has received request from many states for the big catalogue for 1911 which will be received from the printers in a week or so. The local trade promises to establish a record. Five cars of Montana grown alfalfa seed have just arrived which is being cleaned and stored.

LENOX, MASS.—The Lenox Horticultural Society has made application for incorporation. The society will seek a capitalization of \$2,000 for the purpose of receiving a state bounty which is paid to societies of this kind and agricultural societies which are incorporated. If the society raises \$2,000 it will receive \$400 in bounty from the state.

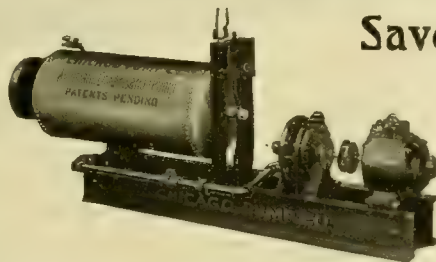
Greenhouse Construction

Wherever there are Greenhouses the name **KING** is known and stands for **Lightness, Strength and the Best results.**

* Write for Bulletins.

King Construction Co.,
NORTH TONAWANDA, N. Y.

Chicago Pump Co.'s System of Intermittent Vacuum Heating Saves 20 to 50% Coal



Pulls water and air out of the Heating System. Pulls Hot Steam through the Piping and pumps the water into Boilers at the same time. Easily installed. Requires no attention.

Write for full descriptive Bulletin and our 30 day free trial offer.

CHICAGO PUMP CO., 1061 Fulton St., CHICAGO.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in
**Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.**

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS^{IMPROVED}
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

**VENTILATING
APPARATUS**

Mention the American Florist when writing

Greenhouse Material and Sash Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave Brooklyn, N. Y.

— BURNED CLAY —
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

**SPLIT CARNATIONS**

Quickly, easily and
cheaply Mended.
No tools required.

Pillsbury Carnation Staple

2000 for \$1.00 postpaid.

I. L. PILLSBURY

Galesburg, Ill.
Windsor Ont.

Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents
Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

OUR GREATEST OFFER

An opportunity to obtain an absolutely
free membership in the Board for 1911.
Open to members and non-members
alike. Write for particulars.

National Florists' Board of Trade, 56 Pine St.
NEW YORK

Albany, N. Y.

Christmas trade in this locality fell somewhat behind a year ago, although the amount in percentage is hard to state. Some dealers profess to be satisfied with the showing and believe that revised figures and collections will show a volume about the same as 1909. Florists had no difficulty to get stock with the exception of American Beauties and carnations, which the growers reported to be scarce on account of the unfavorable weather. The demand for violets fell behind that of a year ago and the reports showed that the growers made strong efforts to sell their stock up to the last moment, a condition reversed from other holidays.

NOTES.

Josiah L. Young, who for some years conducted a seed store at 375 River street, Troy, has filed a voluntary petition in bankruptcy. His schedule shows liabilities of \$21,315, of which \$7,744 is secured. In the list are the names of over 200 creditors who live in various places. He claims assets of \$17,788. Mr. Young has a storehouse in Green Island and a greenhouse in Watervliet.

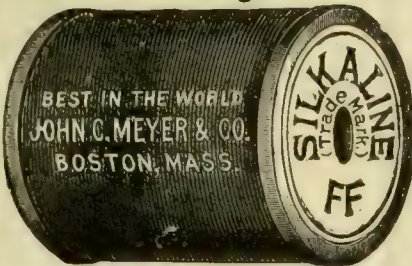
The Rosery had the contract for the decorations of the assembly chamber on Monday, January 2, when John A. Dix was formally inaugurated as governor. The scheme was red and green and the effect was produced with the aid of palms and other foliage plants, azaleas, poinsettias, ardisias and such like plants. R. D.

Toronto.

THE BEST CHRISTMAS.

Christmas business was decidedly the best in the annals of this city, and in many cases is reported being from 25 to 85 per cent better than in any previous year. Owing to the extreme high prices on cut flowers, plants had first call, azaleas at \$4.00 and \$5.00 were very popular, nicely shaped and well bloomed; Cyclamen, at \$3.00 each also had very ready sale, and pans of hyacinths and red tulips were in great demand for the Christmas tables. In cut flowers, carnations were very scarce, and were held at such very high prices that there were enough to fill orders. Violets, lilies and sweet peas all found ready sale. The merchants in the general lines of business are taking more notice of the Christmas decorations, and they are

The "Meyer Green Silkline"

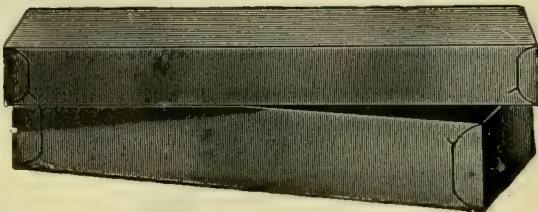


is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

**C. C. Pollworth Co.,
MILWAUKEE.**

Plant Bed Cloth

For Florists' Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.



becoming more extensive each season; some very lavish effects being noticed; Christmas wreathing and velvet poinsettias constituted the main decorations; the holly generally being of an inferior grade. H. G. D.

For Photographs of

Horticultural Subjects

For Illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic
Illustrator

413-414 Hayward Bldg., Rochester, N. Y.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



KRICK'S

Florist Novelties

Manufacturers and Patentee of
The Only Genuine Immortelle
Letters on the market. Order
at once

**CHAS. AUG. KRICK, 1164-66
Greene Avenue,
BROOKLYN, N. Y.**

Every letter marked.

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Gorham & Chapline Printery Inc.

CATALOGUES
PRICE LISTS.
HALFTONES, ENGRAVINGS and
PRINTING FOR FLORISTS.
358 Dearborn Street, CHICAGO.

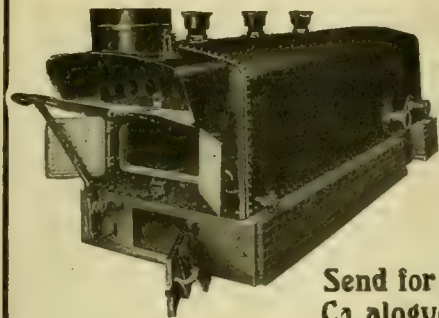
GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS,

Manufacturers of the Model Plant Supports for
Carnations, Dahlias, Golden Glow, Peonies,
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.



Send for
Catalogue

WHAT THE USERS SAY

Kroeschell versus Cast Iron

I have one of your new 1910 model Kroeschell Boilers, and same has proven very satisfactory. We have no trouble to keep temperatures in the coldest weather. We fire once or twice during the day, and once at night, and have had the best satisfaction I have ever experienced in a boiler.

Formerly I had two cast iron boilers: one cracked and I took both of these boilers out.

My coal bill with the cast iron boilers ran from \$195 to \$207 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103 dollars and I still some coal left.

Your boiler is the best and cheapest on the market, not alone for the price, but also in fuel saving. I am very glad that you are so well known in Buffalo, N. Y.. I have never heard anything but praise, in which I join heartily. Wishing you every success, I remain,

MAX BUEHLER, Forks, N. Y.

KROESCHELL BROS. CO., 452 W. Erie St., Chicago, Ill.

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable!
The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized
Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards,

Chicago

Green Flies and
Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE R. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Evergreen Brand Flower Fertilizer

Best plant food and most readily available.
12-lb. cans \$2.00 each.

Other sizes pro rata.
For further particulars address

D. D. JOHNSON CO., Man'frs.,

64-66 Wabash Ave., Chicago.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary

SADDLE RIVER, N. J.

Garden City Sand Co.

Chamber of Commerce Bldg., CHICAGO.

Phone: Main 4827.

Building and Propagating Sands

Fire Brick and Fire Clay, Portland Cement
Stonekote, Hard Wall Plaster

R. I. W. DAMP RESISTING PAINT



PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets etc. to sole makers.

Also Exporters of Pure Scotch Soot Write for prices, etc.
Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.

The Mastin Automatic Whitewash and Spraying Machine
Is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,

and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphids, Bark Lice,
Thrips, Mealy Bug, Red Spider, Scale,
Wire Worms, Ants and Snugs.

This is the Grower's Friend. Handy to
use, cheap and effective, mixes readily in
water. Destroys all insect pests and
keeps down filth. Circulars on applica-
tion. \$1.50 per gallon. Also in
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricul-
tural Dept. Certificate No. 223, July 8 1910

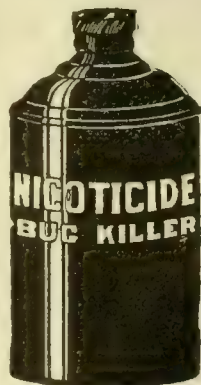
Holds Glass
Firmly

See the Point &
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2

THE BEST
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. PALETHORPE
COMPANY,

Owensboro, Ky.



Are positively the best. Never Rust
GLAZING POINTS
Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes 3/4 and
1/2. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

For Names USE THE Trade Directory Price \$3

HEATING PLANTS

Standard Steam and Hot Water
Heating Plants.

Wonderful Values. We can positively save you from 30 to 75 per cent on Heating Equipment of all kinds. Our plants are of the most modern type, and only the highest grade material enters into their construction. We guarantee them to be exactly as represented, and highly satisfactory in every way. You run no risks. Send us a sketch or diagram of your building and let us make you an estimate.

Send for our Special Heating Catalog, filled with valuable information: tells you every angle and phase of the "Heating Question," and how you can make one dollar do the work of two by installing the plant yourself. Ask for Booklet No. 47. **300,000 feet of Standard Pipe**, all sizes; will be cut to any length.

Engines, Boilers, Valves and Fittings.

Building Materials and Supplies.

Send for our new 1000 page Catalog No. 47.
Free upon request.

CHICAGO HOUSE WRECKING CO.

35th and Iron Sts., CHICAGO.

Mention the American Florist when writing

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET LONGER.
THE AMERICAN STEAM LUMBER CO.,
NEWTON, BOSTON, MASS.

Mention the American Florist when writing

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

Mention the American Florist when writing

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

Florists' Ice Boxes

Manufacturers and Dealers of
Store and Office Fixtures.

Tel. Monroe 5616.

Alton, Ill.

All the florists had a very satisfactory Christmas trade, cut flowers selling very well and at good prices, but violets were very plentiful. There was a good demand for flowering plants. Several large funerals during the week used up all the surplus.

NOTES.

The Alton Floral Co. report large sales of blooming plants. They had some very pretty boxes of plants in their windows. G. W. Lapp was helping at the store during the holidays.

H. G. Evans, manager for J. F. Ammann, reports a fine Christmas trade. Newman Bros. had a large sale of holly and roping, as well as cut flowers. Jos. King was well supplied with plants and did a fine business. G. L.

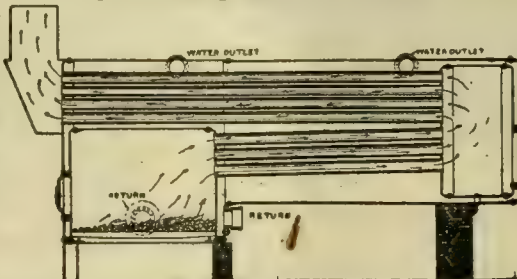
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers — names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (35 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

GLASS

We Manufacture the best Glass made for greenhouse purposes. If your dealer does not have our brand, write us. All our goods are "Hand Made."

W. R. Jones & Company

502 Union Nat. Bank Bldg., COLUMBUS, O.

Pecky Cypress

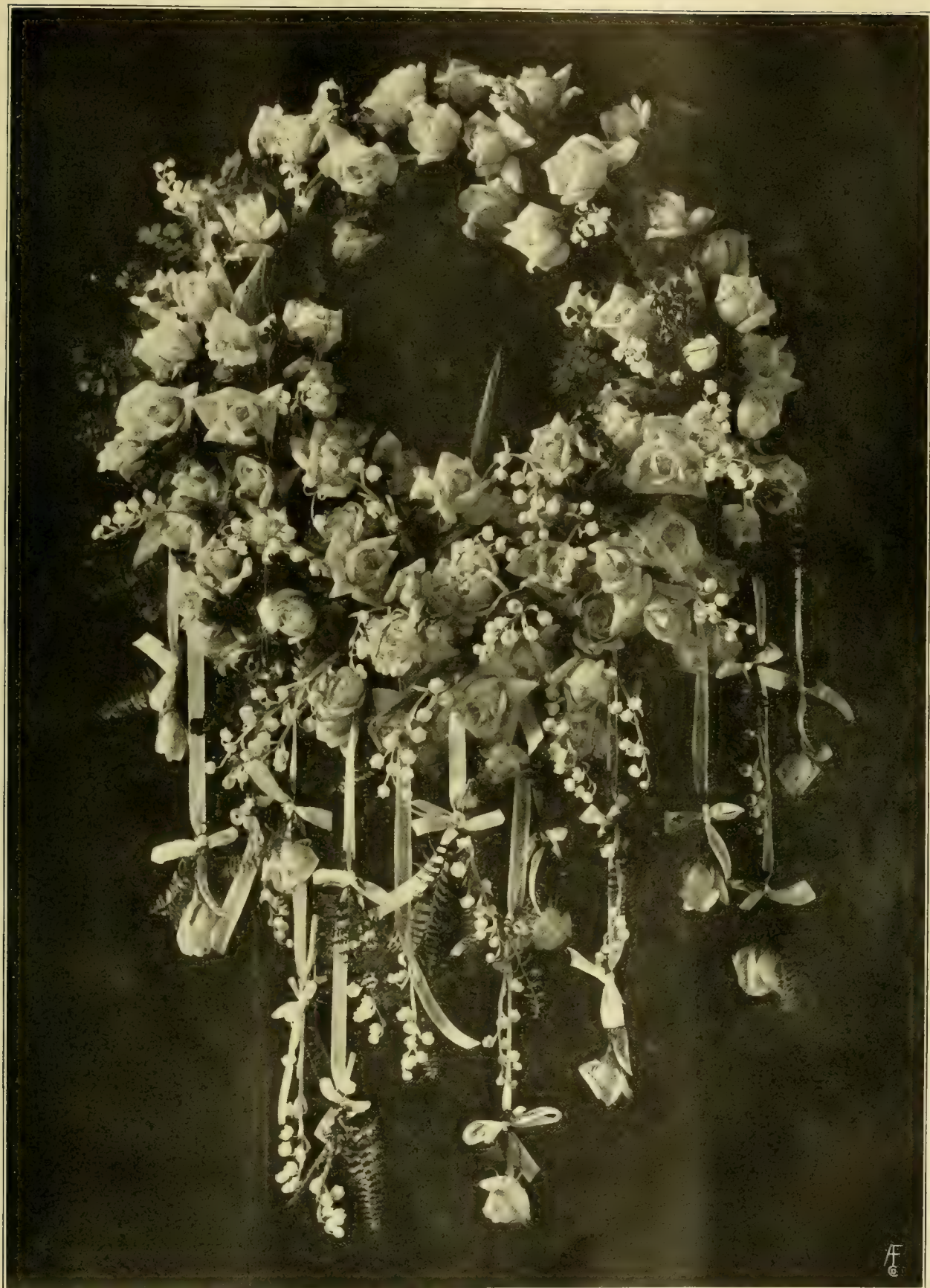
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Vol. XXXV.

CHICAGO AND NEW YORK, JANUARY 14, 1911.

No. 1180

THE AMERICAN FLORIST

TWENTY SIXTH YEAR.

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ORNAMENTAL HORTICULTURISTS.**

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Our Supplements

Subscribers should see that they get copies of
the fine supplementary illustrations showing
high grade design and decorative work. These
fine supplements should be carefully pre-
served, as they mean much to the retail florists
in dealing with their customers, illustrating as
they do the various kinds of work that the
everyday florist is called upon to perform.

The papers in which the supplements appear
should be likewise preserved, as they contain
much valuable data with regard to these special
illustrations. Subscribers should see that they
get every issue as otherwise they may miss
some of this high grade work.

HALF HOUR CHAPTERS FOR PLANT GROWERS

Spireas.

The plants of spireas will need all
the time from now on to Easter to get
them into bloom at a profit. They
are a cheap plant anyway and there is
but little money in them, and conse-
quently it does not pay to grow them
so that they require a house run at a
high temperature to get them in at
Easter. If they are still outdoors get
them in at once, and until the shoots
begin to grow they can be stood on the
edge of the walks. As soon as the
leaves begin to form they should be
placed on the benches. Always re-
member that they want lots of water
and should be given a good copious
supply after they start growing. And
another thing they will not stand fu-
migating with tobacco smoke. Aphids
do not bother them but they should
be grown in a house that does not need
to be fumigated.

Begonia Gloire de Lorraine.

This beautiful plant has acquired a
most prominent position among the
Christmas plants, and with the im-
proved varieties which have been in-
troduced has grown to be a necessary
feature at the holiday season. Con-
siderable difficulty is experienced by
some with this plant after being taken
from the greenhouses and placed in the
dwelling houses or stores, but in our
opinion this is more the fault with the
location and care than with the plant.
We have known cases where two
plants from the same lot would be
placed in different houses, one of which
lasted throughout the winter while the
other began to fail within three days.
Where only a few plants of this be-
gonia are grown and 200 or 300 plants
will meet the requirements of the trade,
it is perhaps as well to purchase the
stock early in May or June from the
growers who make this plant a spe-
cialty, for the early culture of the
small plants during the winter re-
quires considerable attention and in a
great many cases where small quan-
tities are attempted with other plants
results in failure. Yet if the grower
desires to try the growing of his own
stock it is now time to propagate. A
bench where the heat of the sand can

be maintained at 70° is necessary to
successfully root the leaves. Select
good, strong, well developed leaves, dis-
carding any that show spot or are be-
ginning to dry at the edges. Insert
the stem in the sand so that the base
of the leaf will stand clear above and
not upon the sand. If the leaves
are allowed to rest upon the sand
they are very apt to decay. The
cuttings should be rooted in six weeks
when they can be potted in 2½-inch
pots in a light fibrous loam and placed
in a warm position and carefully at-
tended.

Hydrangeas.

Hydrangeas at Easter are a very
valuable plant, and when that day
comes as late as it does this year these
plants are much more easily obtained
than when it comes in March as was
the case last year. Pot grown plants
should be very easily forced by the
middle of April, but they must be
pushed right along and got into the
warm houses as soon as possible. Start
the plants in a temperature of 45° un-
til the growth begins to lengthen
when they can be moved into more
heat. After the plants begin to grow
they will need copious waterings, es-
pecially when in the warmer houses. Be
very careful that they never wilt or
the foliage will be burnt and the plant
ruined. Any soft sappy growths that
are made this year will not produce
flowers and can be cut out and made
into cuttings. Stake and tie the blooms
to keep them erect and straight.

Cyclamens.

The cyclamen seed that was sown in
the fall should now be growing nicely.
Many growers plant the seed in flats
about two inches apart, and these can
be grown on in the same boxes for
some time yet, but those who sowed
their seed closer will have to trans-
plant them. The method followed for
a great many years was to pot them
in two-inch pots, but it is far easier
and a much better plant is obtained
by planting into other flats about two
inches apart. This, if done carefully,
will not disturb the young plants to
any appreciable extent, and results in

much better growth. Where the seedlings are potted in small pots they are very often neglected and become dry and a stunted plant is the consequence of this oversight. It is necessary in growing these plants, as well as any others, to keep the plants moving all the time, if fine stock is wanted and not allow them to receive any check. If the seed did not germinate well, and there is not enough to insure all the stock required or a demand for any small plants at the holiday season, there is yet time to plant seed and if grown in the best manner procure very fair stock for next season. Cyclamen seed, where it is old and hard, germinates very unevenly, and when planting late we have obtained quicker and more even results, where the seed is soaked in warm water for 36 to 40 hours and then planted. The seed can be placed in a dish or saucer, and water that is as warm as the hand can be borne in, poured on to them and the dish then placed near the heating pipes, where it will remain warm. Seed treated in this manner will germinate from one to two weeks earlier than seed planted when dry and much more uniform.

Geraniums.

The Christmas sales of plants will leave plenty of room for the care of the spring stock, and the geraniums will at once need attention. The cuttings that were propagated in late summer and early fall will by this time have made growth enough to take the top out and make another cutting, and this, if done at once, will produce a fine plant for the spring sales. The plants that are in pots should be gone over and spaced out so that there is an air space between each one which will allow the plant to take on proper form and harden up a little and get into condition to stand another crowding later if lack of space requires it. Any rooted cuttings that are in flats should be potted in small pots and placed upon the benches that they may have an opportunity to grow.

Sowing Seeds of Annuals.

ED. AMERICAN FLORIST:

Having come from the south and located near Chicago, will you kindly inform me when is the proper time to sow salvia and other annuals for spring bedding, and also the time to sow *Primula Obconica* and Chinese primroses?

SUBSCRIBER.

The majority of the annuals require the seeds to be sown from March 15 to 20. *Salvia* to get good sized plants by March 1 or earlier. *Lobelias*, *Centaurea gymnocarpa* and stocks to be in bloom by June 1st, should be sown early in February. *Primulas* can be sown in March or April, according to the size plant desired for the winter sales.

EUGENE, ORE.—R. Rae has opened a new flower store in the Risdon block.

CARLISLE, PA.—Edward A. Cuddy, of North Hanover street, has sold his greenhouse to Keefer of Plainfield, who will remove it to that place.

EVANSVILLE, IND.—The Wm. Blackman Floral Co. have leased a new store at 522 Main street, which they will occupy the first of the year. This will give them a fine location with considerable more room.

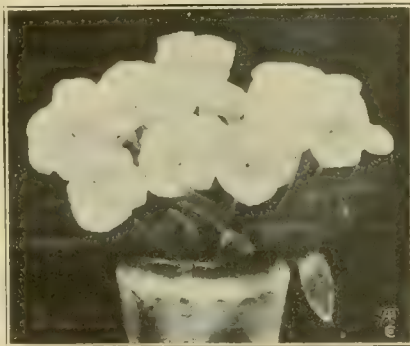
THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Floral Pillow.

SEE SUPPLEMENT WITH THIS ISSUE.

One of the most popular designs which the florist is called upon to arrange is the floral pillow. This design is capable of the best ability of the florist and can be made of all the seasonable flowers and at all values to meet the wishes of the customer. It is one of the oldest of all the floral designs and has been used for funeral purposes for all times within the memory of those now connected with the business. At first it was made very set, adhering closely to the shape of the frame and perfectly flat and white so to have the appearance of a pillow, but gradually more loose arrangements have taken the place of the older forms and although there are sometimes seen the close, flat arrangement with the lettered inscription across the center,



Viola Moseley Perfection.

Showing Plant as Grown in England. A Suggestion to Growers of Pansies for Spring Sales. Reproduced from the Gardeners' Magazine.

the better designers make these floral pieces of much longer stemmed flowers and more loosely and artistically arranged than formerly. The pillow is one of the best designs for bearing inscriptions but the bed upon which the letters are to be placed should be made only large enough to hold them and the rest of the frame arranged more loosely. The designs that are made up without any lettering are very beautiful and are capable of such different treatment that no two will have a like appearance; some are made with the different flowers mixed throughout the arrangement; others with each flower massed together and arranged to blend or contrast with some other flower beside it, and still others are made entirely of one flower. The frame should not be too closely adhered to, letting the flowers fall gracefully away from the bottom and sides. The flowers at the bottom should be so arranged that the wire easel upon which the design stands is concealed. To be arranged in the most artistic manner, the flowers should never be placed so that they touch each other, but mixed with longer stems and arranged so that each flower shows for itself, some standing above the others. The supplement issued with this number is an illustration of how beautiful and elaborate this design can be made. It is composed of cattleyas and lily of the valley, with a generous quantity of adiantum to finish it. The orchids are wired long so that they stand out

clearly above the background and the lily of the valley and ferns lighten up the beautiful arrangement.

Bargain Sales.

We have read the very able article on Bargain Sales by Carl Stumm published in THE AMERICAN FLORIST, page 922, in the issue of December 3, and would say upon this important question as follows:

It is our conviction that the trouble of the grower, his agent the wholesaler, or the retailer, whether he be store-keeper or streetman, emanates in this connection from conditions arising from the disregard of the law of supply and demand.

For the sake of simplifying the argument let us class the wholesaler and the grower as one, the former being merely the agent of the latter. Now let us place in the retail class, store florists large and small, department store florists and street florists. All these retailers are doing business in a legitimate manner according to the demands of the consumer. It is the people who demand the little street retailer and maintain him. All these retailers are the real middle men between the producer and the consumer. The consumer, through the middle men or various retailers, dictates to the producer or grower when, where and how he will buy flowers, and the grower must, because flowers are not an absolute necessity, conform to the wishes of the customer or not sell to him. The grower has the alternative of not growing flowers except for the select few, in which case he can preside in his own little world in an autocratic manner, but he has not done this.

Let us not blame "Bargains" or the so-called "Greeks" and the other little fellows else we kick against our own kind. Let us see what the grower has done. The cry of the American grower has been "more greenhouses," and he has gone on growing flowers until he has made them popular. He has grown so many flowers and so cheaply that bargains are possible. More people buy flowers now than ever before. Even into the homes of poverty their cheer is sent, and it is a credit to our trade that it is so. We are teaching the poor and those who see only the rougher sides of life the refining and uplifting influences of the flower by letting the "Greek" sell them as they pass. Let the flowers go into these homes rather than the ash barrel and work the good they do against liquor and low living.

Our answer to the bargain question, therefore, sifts down to this: If we don't want bargains and any low prices in flowers we should not grow that many flowers. With one dozen roses in Pittsburgh on December 24th, and only one dozen, we could get at our store \$1,000 for them with ease and disappoint some people, too. If the growers are not making any money then it is because there are too many growers or else even yet flowers have not become popular enough. The remedy is obvious if the ill exists. A growers' trust might maintain prices for a while to the benefit of nobody in particular, but we doubt its being practical. It is much better, we think, to accept conditions as we find them and do the best we can with our tools and opportunities.

Buy as cheaply as you can, Mr. Retailer, for if the "Greek" buys the

same stock at the same time cheaper than you do he is a better business man. Sell as dearly as you can, Mr. Retailer, but do not complain when your competitor won't let you "rob" the people. Do not look forward to the time when there will be no competition, for it is the power that advances civilization and will always exist. And let us remember that the governor of the whole machine is the law of supply and demand. Bargains will always be, if the great consumer wants them and the great producer can afford to produce them.

ANTHONY W. SMITH, JR.,
Pittsburg, Pa.

The conditions in the flower world have been fully met by Carl Stumm in his version of bargain sales published in the issue of THE AMERICAN FLORIST of December 3, page 922. The flower business has and is developing rapidly and his article is one which fully explains, in the right way, a condition now at hand. One great trouble at the present time is that the producer of flowers has but a vague idea of the actual cost of production and permits the wholesaler or himself to dispose of his wares blindly.

It has long been the opinion of the writer's firm that the gross discrimination between the legitimate retailer and the fakir will terminate sooner or later because of the injustice therein. It is generally accepted that the first-class retailers and the shipping trade in a large flower center are responsible for the profits to the grower. In doing so they also create an opening for the fakir with his cheaper flowers, which are often in quality on a par with those bought earlier in the day.

BERTERMANN BROS. Co.
Indianapolis, Ind.

Having read the article on Bargain Sales by Carl Stumm in the issue of THE AMERICAN FLORIST of December 3, page 922, we wish to say that we are of the opinion that a florist who consumes large quantities of flowers and who can retail them at low prices is bound to make a success, as the public are tired of being overcharged for cut flowers.

Yours truly,

F. FLEISCHMANN.

New York.

Stevia Serrata.

We have just finished cutting our crop of stevia and as it was of extra nice quality and so easily raised we believe we will give our method for the benefit of other growers.

We grew our main crop of stevia in pots this season following the usual custom of plunging in frames with slight protection with a thin lath shade. This gave us good results and was all right for pot plants.

When we topped back these pot plants late in July, we put several hundred of the top cuttings into the propagating sand, where they rooted easily, and quickly. We then planted these rooted cuttings in flats of soil, planting about four inches apart in moderately rich soil in the common size flat, and of course gave the necessary attention till they had a good hold upon the soil, after which they received the same treatment as the other stevia. When these plants were about eight inches high we pinched the tops once—that is all the pinching they got. Many were not pinched at all and it

seems to have made little difference. They all grew finely and they certainly gave us elegant stock for cutting. All the sprays were straight and in every way superior to sprays cut from large plants, while the care in handling and cost of production was the least possible.

W. H. CULP.

Hardy Shrubs for Forcing.

The employment of early-flowering hardy trees and shrubs for the decoration of the conservatory and greenhouse from Christmas onwards, and in a lesser degree for the supply of cut flowers, is on the increase. Judging from the special lists coming to hand, and the extensive displays made by several nurserymen in early spring at the fortnightly shows of the Royal Horticultural Society, the cultivation of certain subjects for this purpose is of no small importance.

The amount of forcing the different kinds will bear without injury varies considerably, as also does the number of years they may be forced in succession. With a few exceptions a general rule to follow is to force the plants in alternate years, planting them out in the nursery to recuperate the remainder of the time. Wistarias, pyrus, and some prunus, treated somewhat like orchard-house trees in pots, will stand gentle forcing for several years in succession. Plants of azalea mollis can be purchased at such a cheap rate that it is not worth while planting these in the nursery, especially those which flower at Christmas or during January.

In many gardens a certain amount of transplanting and shifting of trees and shrubs is done annually during October and November. The beds in the pleasure grounds or the shrubbery borders are becoming unduly crowded, and require thinning. Here, then, is a favorable opportunity to obtain a few extra large specimens for forcing. If

Christmas to May in the show house:—Acer Negundo variegata, the variegated maple, may be grown as a pyramid or standard; the foliage is very ornamental and useful for associating with flowering plants, many of which, when forced, are devoid of leaves, or nearly so. Amelanchier canadensis, white flowers; Andromeda floribunda, A. japonica (pot in peaty soil); Choisya ternata, the "Mexican Orange-flower"; Deutzia gracilis D. Lemoinei and numerous very beautiful hybrids; Dier-villa (Weigelia) Eva Rathke, Abel Carrieri, and other garden varieties. Also Forsythia suspensa, F. viridissima, and the hybrid between the two, F. intermedia, all with yellow blossoms. Hydrangea paniculata grandiflora does not respond to early forcing, being best for flowering in May. Kerria japonica flore-pleno rich golden yellow flowers; Laburnum vulgare; standards are very useful in March and April. Philadelphus Lemoinei erectus. Then many of the prunuses are suitable for forcing, notably the double peaches, P. Persica flore-albo-pleno, flore-roseo-pleno and var. magnifica, triloba flore-pleno, Cerasus Rhexi flore pleno, japonica flore-albo-pleno, pseudo-cerasus Watereri, James H. Veitch, and other forms, with subhirtella and Pissardi; the bronze-leaved Myrobalan, Pyrus floribunda and var. atrosanguinea P. Scheideckeri. Of rhododendrons there are many varieties. Good evergreen sorts for forcing are Cunningham's White, fastuosum flore-pleno, Prince Camille de Rohan, Purity, and Chevalier Felix de Sauvage. The deciduous varieties include the sections flavum, mollis, and rustica flore-pleno. Robinia hispida, Spiraea arguta, S. prunifolia flore-pleno, and S. Van Houttei are fine shrubs. Staphylea colchica has delightfully scented white; conspicua (Yulan) and soulan- numerous varieties should include Ma-



DRACENA FRAGRANS AT GEO. WITTBOLD CO.'S, EDGEBROOK, ILL.

too large for pots tubs may be used, or even boxes of a suitable size, as the probability is most of the plants will be discarded after flowering, or put out in the nursery or some other part of the grounds. Forsythias, Spiraea prunifolia flore-pleno, S. arguta, Kerria japonica flore-pleno, and rhododendrons are a few subjects we lift in this way and force.

The following selection of subjects will provide a beautiful display from

rie Legraye white; Charles X., pale lilac, almost white when forced and Mme. Lemoine, double white, Viburnum plicatum and V. opulus sterile; Wistaria sinensi and var. alba; Zenobia speciosa pulverulenta, a peat loving plant, and magnolias are among the most distinct and pleasing subjects for forcing. The latter include stellata, white; conspicua (Yulan) and soulangeana as the best. Several varieties of the two last named might also be

grown. The chief work amongst these subjects at the present time is to pot them up as lifted from the reserve garden, or as they come to hand from the nurseryman. Stand them in a sheltered position where the pots can be protected from frost if necessary.—A. OSBORN in the London Journal of Horticulture.

Spireas for Forcing.

The herbaceous spireas, of which the old *S. Japonica*, *S. astilboides*, Gladstone and Alexandra are the best known, are among the best plants for Easter forcing, their culture being easy and success with them comparatively certain if a few simple details are followed out. Although retarded clumps are brought in for Christmas, yet the newly imported stock does not force readily until after New Year's. The clumps should be unpacked immediately on arrival, as they may heat and start to grow in the cases, this sometimes leading to the loss of good prominent shoots. The plants are quite hardy except in the very coldest localities, and after being unpacked, if they cannot be potted at once they may be laid out close together outside or in a cool shed and sprinkled over with water daily until they are potted.

The clumps always vary considerably in size and consequently all will not go into the same size pots. They may, of course, be divided to fit any size, but this is not usually advisable, as they are cut out in the best shape at the nursery before being shipped and any further cutting, unless very carefully done, is apt to injure the crowns. As a rule *S. Japonica* does not run quite as large as the others and the largest clumps may easily be got into 7-inch pots, the smaller ones into 5 to 6-inch. In any case it is not wise to cram them too tightly as they need a great deal of water in the finishing stages of growth, and if in too small pots they need too much attention. Pull out the old leaf stalks and draw the roots away from the crowns to expose the latter, then pot them firmly, using a thin potting stick to get the soil filled in properly and firmly between the clumps of roots and the pot. When potted they are best, unless the weather is exceptionally severe, for a week or two in the open air, after which they may be brought inside and placed under the greenhouse benches where they may remain until signs of growth appear, watering them moderately in the meanwhile.

When the young foliage begins to develop bring the plants up to the light in a house in which the night temperature does not exceed 55° to 60° at first, this being afterwards increased if found necessary to have them in on time. It is in the earlier stages of growth that these spireas are often neglected and, owing to being crowded closely together, the plants draw up and never afterwards regain that pretty pyramidal form with spreading base that is so attractive in a well-grown plant. They should never from the first be so closely placed that one plant touches the next, but always have room between them for light and air. Then the large lower leaves will spread and develop, keep their deep green color and be more satisfactory in every way than that in crowded plants.

The grower soon finds out what a thirsty subject he has to deal with

when the foliage begins to develop, for if they are neglected for a day the leaves wilt and if this happens too often they fail to pick up and the size and shape of the plant is consequently impaired. By the time the flower spikes show the plants will have made quite considerable roots, enough to fill the pots, and feeding will be in order. The plant is not particular as to food so there is plenty of it and it is wise to give a change of diet. Always see that the roots are moist before applying liquid manure and use this weak at first, increasing the strength by de-



Dracaena Victoria.

grees as the roots get accustomed to it. Light spraying overhead is useful, especially just as the foliage is greening and a moist atmosphere must be kept up at all times by dampening between the pots and around the house, but too much spraying is apt to make the foliage soft and cause it to wilt readily from sun or a free circulation of air. In some localities very little shading is needed if the plants are carefully handled and the atmosphere kept right, but this is a matter that has to some extent to be determined by each individual grower according to circumstances. But heavy shading should be avoided under all as it leads to

weak foliage. When sending the plants out be careful to instruct customers to water daily or much dissatisfaction will be shown. The best way to do this is by a neat printed card attached to each plant with the name of the grower on the back as an advertisement.

H. R. R.

Dracaena Victoria.

Dracaena Victoria is a native of Brazil and was distributed by William Bull & Sons of London in 1899. This dracaena is very similar in growth to *D. Lindenii* but the variegation is much superior to that variety, the whole leaf being of a bright golden yellow with a central band of light green ornamented with narrow stripes that vary in color from grayish to creamy yellow, the golden yellow intensifying with age. The plant which we illustrate is nine feet tall and has 170 leaves which averaged two feet long and four and a half inches wide and was propagated from a cutting five years ago. It was awarded a silver gilt medal at the Beekenham Horticultural Society. It requires plenty of light in order to develop the bright color with the same treatment of *D. Lindenii*.—Gardener's Chronicle.

Dracaena Mandalana.

This striking variety is said to be an American seedling named in honor of W. A. Manda, and those who saw the group of this plant that was shown in Philadelphia in 1907 will readily agree in the opinion that it is a very handsome dracaena.

As will be noted from our illustration, the growth of this variety is strong, the foliage broad, and when to this is added attractive coloring, the older leaves being bronzy red and the young growth a much brighter color, the result is a plant that attracts attention. The plantsman is reminded of *D. Leitzei*, but the coloring is much brighter than the latter, and *D. Mandalana* seems to have more substance to its foliage.

Cultural conditions similar to those generally given for *Dracaena terminalis* will answer for the variety under discussion, including warmth, moisture and plenty of light. W. H. T.

Dracaena Rothiana.

This sturdy growing dracaena belongs to the fragrans section and is considered by botanists as simply a variety of that species, although it is a sufficiently distinct form to be readily distinguished from the type. In growth *D. Rothiana* is compact, the leaves of a good specimen ranging from 12 to 20 inches in length, and three to four inches wide. In color the foliage is bright green, the margins somewhat undulated, and also reticulate or veined noticeably. This dracaena is now becoming more widely known as a suitable variety for decorative work, though by no means a novelty, from the fact that its introduction from the Comoro Islands dates from about 1877.

No special culture other than would be given to *Dracaena fragrans* is needed for *D. Rothiana*, and with light shading, a night temperature of 60 to 65 degrees, rich soil and abundant moisture, a rapid growth may be assured. W. H. T.



DRACÆNA MANDAIANA

Commercial Dracaenas.

Botanists in their wisdom do not class all the plants known to florists as dracaenas in this genus, but call some of them cordylines. Necessary as this may be to properly classify the various plants florists find it far more simple to stick to the name dracaena, and in this we but follow the custom of the trade. All are useful plants, easily grown, propagated readily, usually either from cuttings or seed, and presenting a good return for the little skill and care necessary to do them well. To take the culture of the long stemmed, erect-growing kinds first, of which *D. terminalis*, *D. Massangeana* and *D. fragrans* are well known types, it may be said that anyone with any knowledge of plant growing, no matter how rudimentary, can take it up with every prospect of success. The stems of many of these kinds are often offered to the trade and these can either be cut up in short lengths, containing one or two eyes, and the pieces inserted as cuttings or they can be laid lengthwise on a bed of sphagnum moss and covered with the same material to start shoots that are eventually cut off and potted. In either case a bottom heat of about 85° to 90° should be given and there will soon be signs of life.

Taking old leggy specimens, such as are frequently seen around greenhouses, the usual proceeding is to cut a niche all around under the tuft of leaves at the top, moss the stems and eventually, when rooted, cut off and pot the head. This is all right for the new plant, i. e., the top—but in the process the stem below hardens and has either to be thrown away or put

in heat to start growths for cuttings. We prefer cutting the head off first

and rooting it either over heat in a sand bed or in a bottle of water, then cutting up the stem into cuttings as noted above and leaving the bottom to start growing and make a new plant. However, any of these methods are safe and practicable and the one that seems most suitable under the circumstances of the case may be chosen.

Quite distinct from all other dracaenas are the two species introduced some years ago by Sander & Son of St. Albans, Eng., *D. Sanderiana*, named for Fred Sander, and *D. Godseffiana* named for his manager, Godseff. The former is a slender habited plant that looks best when grown about three or four in a pot. It has prettily white variegated stems and leaves and is among the most popular of plants for fern dishes and similar small decorative subjects. *D. Sanderiana* is easily propagated in the usual way by cutting up the stems. *D. Godseffiana* is an even more distinct plant than *D. Sanderiana*, being totally distinct in habit, and no one acquainted with the family would take it to be a dracaena at all. It has slender stems upon which are produced olive green leaves, more or less spotted with yellowish white. It is best propagated by means of young top shoots, though any part of the plant will strike, and is also an elegant plant for fern dishes.

D. fragrans is a strong growing species with green leaves variously striped and variegated with yellow. Varieties of this, sometimes classed as distinct species, are *D. Massangeana* and *D. Lindenii*, both useful and both grown considerably for market. *D. Goldiana* is a very beautiful species with glossy green leaves spotted and banded with yellow, the young foliage often hav-



DRACÆNA LINDENII.

ing a reddish tint which is very attractive. *D. terminalis* is perhaps the most widely grown of all dracænas and an excellent plant for furnishing and decorative purposes. There are many varieties of this species such as *Cooperi*, *Bausei*, *Baptistii* and *Amabilis* and all have some distinctive features. *D. indivisa* is a narrow green leaved kind that is valuable on account of its being so easily grown and thriving with

ited quantities of first-class material for cutting, while the majority lend themselves to pot culture, forming elegant and shapely specimens, which are doubly effective in that they retain their beauty for many weeks, and are valuable for indoor decoration. Not all of them bloom at the same time, but rather form a natural succession, while by gentle forwarding in heat, or retarding under the coolest conditions,

acias are under conditions where the plants secure unlimited root room; this is particularly apparent where the genial climate of certain Continental districts favor their development to a marked degree, so much so that they constitute an integral and characteristic feature in the landscape, and so almost appear as if indigenous. In a lesser degree, and possibly more restricted in variety, those favored countries in the South-West of England offer many opportunities for the culture of acacias in the open, particularly when ample shelter can be provided. It may occasionally happen that some severe winters may prove fatal to them, but with a stock of young plants in reserve such losses may readily be made good, and as they are rapid growers, they very speedily become reinvested with the old charm. In northern latitudes the acacias are best suited for greenhouse and conservatory, and where the facilities are present they prove most valuable when planted out, as it then supplies the best material for cutting, as the removal of large branches from the trees when in full flower only anticipates by a few days the pruning that is generally practised whenever the flowers fade. The following possess much merit.

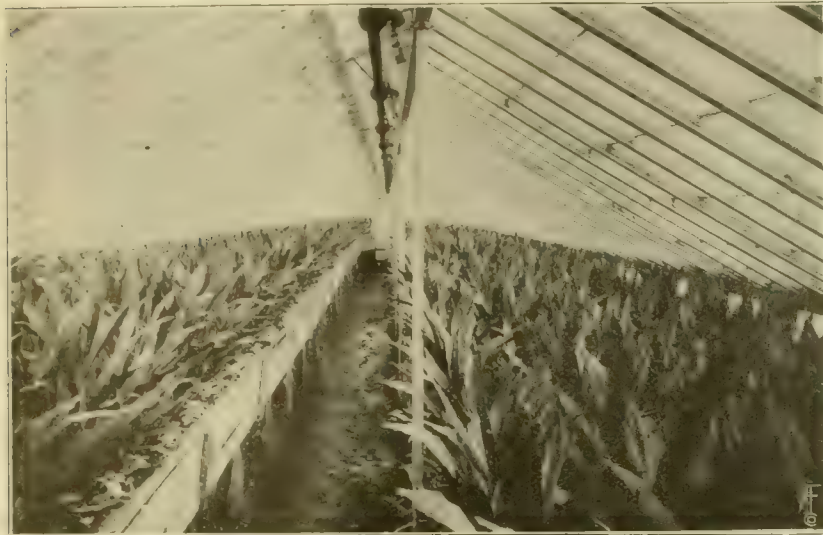
Acacia dealbata, sometimes called the "Silver Wattle," from the characteristic grey-white colour of the underleaves; the flowers are yellow, disposed in broad, spreading racemes along the branches; the leaves are compound, with many pairs of linear, pubescent leaflets.

A. cultriformis has intense grey leaves, which terminate in a curious hooked point; the flowers are orange-yellow, ball-like, and are disposed in racemes.

A. Drummondii is a particularly good and well known species, having pinnate leaves; the flowers are pale lemon, borne in cylindrical spikes.

A. verticillata produces solitary pale yellow flowers, oblong in form; the leaves are like fine needles, and are borne in whorls; it is one of the best and most distinct.

A. trinervis has narrow leaves some four inches in length, and conspicuous,



DRACÆNA TERMINALIS AT JULIUS ROEHRS CO.'S, RUTHERFORD, N. J.

very little heat, in a cool greenhouse in fact. It is very easily raised from seed.

As to culture after propagating as described above, this is of the easiest possible description. With a view to hastening matters some growers plant them out on benches, but having regard to the disturbance consequent in lifting, we are doubtful if there is much advantage in this method over keeping them in pots. The pots may be plunged in soil to keep them from drying out too rapidly and this will be an advantage, but the planting out has little to recommend it except in the earliest stages. The soil should be good and firm, but not over rich. The atmosphere of the house should be moist and warm and spraying the foliage should be kept up regularly. In summer shade from bright sun is necessary, in winter abundance of light, while the roots must be freely watered at all times. This in brief is a summary of their culture, and these few details carried out carefully anyone may make a success, financially as well as culturally of dracænas.

Acacias.

The hardest and easiest cultivated of greenhouse plants, the various species of acacia takes a foremost place in the conservatory and greenhouse. They enjoy a greater measure of popularity than one might be led to suspect, for the "mimosa" of Covent Garden is none other than the flowering sprays of *Acacia dealbata* of gardens. In its season the flowering sprays are plentiful in the flower markets, so that it is practically familiar to the majority of English people. The species are of immense value to gardeners, says a writer in the *Gardeners' Magazine*, yielding unlim-

a much longer period of flowering is secured.

Their cultivation presents no difficulty inasmuch as their propagation is readily carried out either by seed or cuttings; the former is best sown as soon as ripe, and the subsequent seedlings potted on until they attain flowering size, which, in the majority of instances, is at a comparatively early stage. Cuttings of the half-ripened shoots root readily under handlights, or on a mild bottom heat in a propagator, a high temperature being at all times inimical to success with acacias.

The best results obtained with aca-



DRACÆNA MASSANGEANA AT JULIUS ROEHRS CO.'S, RUTHERFORD, N. J.

solitary, deep lemon-colored flowers, some one and a half inches long.

A. Barkeriana produces miniature ball-like sulphur-yellow flowers; the young shoots are bright purple; the mature leaves are narrow and willow-like.

A. retinodes (*floribunda*) is a species having long linear lanceolate leaves;



Dracæna Rothiana.

the flowers are in branching racemes, each branch having from fifteen to twenty flowers.

A. Baileyana has intense grey leaves resembling *A. dealbata*; the flowers are in globular heads, the racemes being erect.

A. Riceana produces its globular yellow flowers on long slender branches; the flower panicles are wide-spreading, making it a most effective subject when trained from the roof; the flowers are cream-white, while the leaves are small and needle-like.

A. lophantha is probably best known as a summer bedding subject; the foliage is extremely graceful, the flowers being greenish-yellow.

A. pubescens is a free-flowering species, with elegant compound leaves; the globular yellow flowers are disposed in racemes along the axillary peduncles.

A. affinis, *A. armata*, *A. hastulata* (*cordata* of gardens), and *A. grandis* are species in commerce, and more or less common to gardens. *Cordata* is very desirable, if only for the distinct character of the leaves, and *grandis* is one of the most desirable in flower.

Azaleas and Spireas for Easter.

ED. AMERICAN FLORIST:

When should Azalea Indica and Spirea Gladstone be started in a temperature of 50 degree to be in bloom for Easter? J. W. K.

No definite date can be given to start these plants and perfect them at a certain day in one temperature for the climatic conditions are so variable. The spireas should be started immediately after the first of the year, and kept a little cooler than 50 degrees until some growth has been made. Eight to ten weeks should be enough to bring in the azaleas in the given temperature, at that season of the year, but a great deal depends upon their condition when started. W.

WITH THE GROWERS

Dailledouze Bros., Brooklyn, N. Y.

Long famed as leaders in the carnation industry this firm is still in the front ranks of the procession as producers of fancy grade carnation flowers.

In area the glass of this establishment covers somewhere near 80,000 square feet and every foot is working, no vacant places, no diseased plants, no dirt, every inch radiant with buds and blossoms in seemingly innumerable thousands.

For so large an establishment it is somewhat surprising to find how few were the number of varieties grown, but there is not a failure among them; they are all producing heavily and it may safely be stated that the collection of varieties as a whole is an ideal one. The only white sort grown is White Enchantress, several houses be-



Dracæna Terminalis.

ing devoted entirely to this variety. Enchantress, Pink Delight, Winona, Rose Pink Enchantress, Mrs. C. W. Ward, Winsor, Dorothy Gordon and their own seedling No. 470 cover the pink section in the various shades. For the side benches, where head room is limited, Winsor fills the bill nicely. The differences between Dorothy Gordon and Rose Pink Enchantress seem very infinitesimal. Pink Delight has a beautifully shaped flower and a most pleasing color. No. 470 has the earmarks of a favorite, pure glistening pink, petals fimbriated, good size, sturdy free habit, is in its third year and is no doubt eventually destined to be named and disseminated.

The scarlet section contains Victory, Beacon and an un-named seedling. Victory falls behind Beacon as a producer and will no doubt have to be placed among the has-beens before long; it will not develop the plant size in the field that it ought to do. The seedling has both Victory and Beacon beaten in brilliancy of coloring; it comes from Victory and Red Chief and so far gives great promise in all particulars.

The crimson section has but one variety, an un-named seedling, which answers all the purposes for this color; the demand for crimsons, it is noticed, gets less year by year and less space is devoted to that color than to any other. Mrs. M. A. Patten is the only variegated sort grown and one house only is devoted to it. Besides the seedlings mentioned, there is a sport from Beacon that is being saved and will probably be tried out further next year. The color, salmon ground splashed, is streaked rather with scarlet, rather an odd combination but will no doubt appeal to some of the super-æsthetic tastes in color-harmony. All the stock here is field-grown during summer; the practice of indoor culture entirely has been discarded.

At the time of our visit we were fortunate in finding the three brothers at home, for, while Paul and Henry retired from active business a few years ago, they live on the estate yet and naturally frequent the greenhouse. Eugene, together with his son, John, are actively engaged, though a recently acquired touring car of the latest pattern claims John's attention part of the time. W. H. Taplin, well known to our readers as a writer on horticultural topics, is acting superintendent and after a tour of the greenhouses one realizes that Mr. Taplin is a grower, as well as a writer, a combination rarely met with in this day of specialization.

Chicago Carnation Co., Joliet, Ill.

The Mecca in the vicinity of Chicago for all carnationists, or those interested in the culture of the divine flower is Joliet. Here are situated the greenhouses of the Chicago Carnation Co. and just now everyone is desirous to see the novelty Washington which this



Dracæna Sanderiana.

concern is disseminating this spring. Joliet is a thriving city about forty miles from Chicago on the Rock Island railway and about two miles from the center are located the greenhouses of this establishment. On the eastern slope of a hill with a splendid southern exposure, and plenty of good air (lots of it when we were there, for the wind was blowing 60 miles an hour) the situation is of the best for fine

carnation culture. Here are 22 houses with an area of 125,000 square feet devoted entirely to the culture of carnations, which were all in exceedingly fine condition and producing blooms of the highest quality. The varieties grown are all the best of the commer-

sent out by this concern, they having obtained the western agency. The stock here grown is in fine condition, although of very late propagation, the cuttings being placed in the sand in April. Notwithstanding the fact that last summer was very unpropitious for

second year, the plants being cut back and after growth had started a good top dressing given the bench. They were in fine shape, producing large blooms and it was stated that the plants had averaged nine blooms each up to Christmas. May Day is especially prolific and the house as we saw it was a beautiful picture, the plants bearing an immense crop. Sangamo was also in very heavy cut and seems to be improving every year. Dorothy Gordon is looking very nicely and doing well, but planted side by side with Rose Pink Enchantress there seems to be but a small amount of difference. The flower is a little deeper and perhaps more constant in color, but in growth and productiveness they seem at these houses to be about on a par. Scarlet Glow was fine, of the brightest scarlet and producing finely. Shasta is a beautiful white of splendid form but appears to be a little shy during the winter season. J. Whitcomb Riley is not doing well at all and is disappointing.

The trial benches of seedlings are very interesting and some varieties were observed that certainly give great promise. In the 1907 seedlings two scarlets both look good. No. 186 is an extra large flower of nice form and a great producer. No. 1000 a very beautifully formed flower with a fine fimbriated edge and of good size. No. 96 a very handsome variegated, a large flower, not too double from $3\frac{1}{2}$ to four inches in diameter with strong stem and calyx. The ground color is white, tipped and splashed with light scarlet. In the 1908 seedlings were noted a fine light pink, No. 555, the shade of Pink Delight but a much larger bloom, a scarlet like Estelle No. 49, but much larger, and No. 165 a bright light pink nearly vieing with the Killarney rose in color.

The propagating house looked the scene of activity. Here were found 465,000 cuttings in different stages and the success in rooting was phenomenal in some cases as Superintendent Olsem jokingly says the results show more than 100 per cent rooting. The propagation of Washington is very heavy for orders are being received daily. Everybody who sees this grand



CARNATION MAY DAY AT THE CHICAGO CARNATION CO.'S, JOLIET, ILL.

cial sorts and many novelties and include the following in the quantities stated:

- 35,000 White Enchantress.
- 20,000 Enchantress.
- 15,000 Washington.
- 10,000 White Perfection.
- 7,000 Alvina.
- 6,000 Sangamo.
- 6,000 Beacon.
- 5,000 May Day.
- 5,000 Victory.

And smaller quantities of Dorothy Gordon. Scarlet Glow, Shasta, Princess Charming, Rose Pink Enchantress, Mary Tolman, Winsor, Winona, Afterglow, J. Whitcomb Riley and Aristocrat. In all nearly 150,000 plants are growing beautifully in the pink of condition, producing extra large flowers and an inspection of the houses will give any grower an idea of the worth of the several varieties in comparison with others under similar soil and conditions.

Interest of course centers in Washington. This variety is a dark pink sport of Enchantress and has all the free growing and free blooming qualities of that most popular variety. The stock is in exceptionally fine healthy condition, showing splendid culture and producing flowers as large and handsome as the best Enchantress which all growers know is the acme of perfection to date. In color it is a little darker and brighter than Mrs. Lawson, and to the writer of much more pleasing shade, for it is just over that line of cerise which seems to clash with all other colors. The stem is good and strong and carries the large flower very gracefully and is a great addition to the existing varieties.

Princess Charming was the next to attract attention. This variety, though originated and disseminated by Henry Eichholz of Waynesboro, is being also

carnation culture in this vicinity, the plants have made good growth and are now full of bloom and buds. The growth is exceedingly strong, bearing extra heavy large foliage. The stems are long and very strong, and the calyx close and heavy enough to enclose the large flower. The color is light pink, some shades darker than Enchantress as seen here and a very pleasing flower.

Of the older varieties White Enchantress was in superb condition and the blooms being cut were as handsome specimens as one would wish to see. Two benches of this variety will bear close inspection, for a trial is being made with carrying the stock over the



CARNATION WASHINGTON AT THE CHICAGO CARNATION CO.'S, JOLIET, ILL.

Manager Pyler and Superintendent Olsem in the Aisles.



CARNATION WHITE ENCHANTRESS AT THE CHICAGO CARNATION CO.'S, JOLIET, ILL.

carnation wants to give it a trial and sends in an order, the firm already having shipped 30,000 rooted cuttings.

The stock which it was our pleasure to see and inspect on our visit was certainly a high testimonial of P. A. Olsem, the superintendent, and his ability as a carnation grower, for it seldom has been our pleasure to see better stock at this season of the year and after our visit we did not at all wonder at the success of this firm at the fall shows. The management of the place is in the hands of A. T. Pyfer who makes his headquarters at the store, 35-37 Randolph street, Chicago, and so ably manages the office duties and the sale and shipment of not only the large cut from the houses but the large business done in the sale of rooted cuttings.

SANTA CRUZ, CALIF.—The report from W. E. King states that the business and conditions were about the same as last year. Mr. King adds that he was quite sick, in fact, too sick to do much business.

ANGOLA, N. Y.—The Christmas trade was very good, reports J. J. Neubeck. Owing to cold, wintry weather carnations were very scarce and sold at high prices. There was a good call for plants, especially the blooming varieties, poinsettias, primulas and begonias all sold well. The firm of Neubeck Bros. has dissolved, N. C. Neubeck withdrawing and John J. Neubeck will continue the business under his name.

MERIDIAN, MISS.—I believe the business was 25 per cent better this year than last at the holidays, says Mrs. N. C. McKinney. The retail prices this year were quite as good and perhaps better than last, the quality of the stock being much better, arriving in good condition. The supply and demand for bulbous flowers was very good. There was a great call for poinsettias and the plant trade was about the same as a year ago. I believe everyone appreciates flowers more every year and they are becoming almost a necessity during the holidays.

OBITUARY.

Miss Deborah G. Passmore.

Deborah Griscom Passmore died at her apartments in the Earlington, Washington, D. C., on the morning of January 3.

For the past eighteen years she has been the principal artist of horticultural subjects in the United States Department of Agriculture. One of her greatest and most noted achievements was a series of paintings in water colors of practically every known variety of the lily. In the division of pomology of the department she had produced thousands of paintings of fruits, many of which were reproduced in colors in the department's yearbook.

Miss Passmore was born in 1845 in Delaware county, Va., of Quaker stock. She was educated in the schools of the Friends and possessed many of the lovable qualities for which that sect is noted. She studied art under several noted painters and was once a pupil of the School of Design in Philadelphia. Previous to entering the Department of Agriculture she for a number of years taught painting in Washington, having pupils from many prominent families.

The funeral was held January 5, interment being at Moorestown, N. J.

A. F. F.

John L. Turner.

John L. Turner of the firm of Griffith & Turner of Baltimore, Md., died the first of the year. He had reached the extreme age of 90 years, but until an accident disabled him a few weeks ago he had always been constant in his attendance at the store and took an interest if not an active part in the operation of the business.

He was one of the originators of the old-established firm of which he was a member and had occupied the position of secretary and treasurer ever since its incorporation. He was a thorough business man and had contributed largely to the success of the concern, which has now reached such large proportions in its various lines of activity.

S. B.

POMONA, CALIF.—The total sales at Christmas, states O. Roessner, were larger than at the previous holiday. The quality of the flowers was better, with good supply, and the retail prices about the same as last year. The demand for bulbous flowers was poor. There was an increased demand for flowering plants.

NORWALK, CONN.—R. G. Hanford states that the Christmas business was about the same as last. The quality of flowers was good, fully as good as usual, with plenty of stock and prices about the same as last year. No special increase in demand for any special flower or for blooming and decorative plants was noticeable.

NEW ORLEANS, LA.—Abele Bros. report an increased business for the holiday trade. There was a good supply of roses, carnations and violets with the prices the same as last year. The demand for bulbous flowers was very good, not having enough. The call for both plants and flowers was about the same as at last Christmas.

IOWA CITY, IA.—A. G. Prince reports that Christmas was an increase of 25 per cent over the last. The retail prices of cut flowers were higher, with the quality about the same and the supply was equal to the demand. The demand for bulbous flowers was good as was the supply. There was an increased demand for flowering plants.

PENSACOLA, FLA.—The holiday trade was fully double what was done last year, is the report of the Boysen Floral Garden. The retail prices this year were much better for the supply was not equal to the demand, even bulbous flowers were scarce. The quality of the stock was about the same as usual. The demand for plants this year will show a decrease, not being as good as last Christmas.

HALIFAX, N. S.—F. W. Killiam has not yet figured up the total sales, but feels pretty sure that they will show an increase over the preceding year. The retail prices were about the same as at last Christmas, the quality not quite as good and the supply hardly equal to the demand. The call for bulbous flowers was not as great as in other years. There was an increased demand for flowering plants, especially azaleas and poinsettias.

THE AMERICAN FLORIST

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RENEW subscriptions promptly so that no copies of the papers may be missed.

Personal.

Elmer D. Smith and wife are en route to California, having left New Orleans, where they had a royal time.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

The custom of wearing a carnation in commemoration of the birth of the late President McKinley is growing in favor each year and the colored varieties, pink and red, are the most popular for this occasion. Growers and retailers should bear this in mind. The date of the anniversary is January 29.

Pierson's Rose Novelties.

A. N. Pierson of Cromwell, Conn., brought to Chicago January 5 an exhibit of three of the roses of which he is selling stock this year. The varieties were Dark Pink Killarney, Prince de Bulgarie and Lady Cromwell. They were to be seen at the J. B. Deamud Co.'s store on Wabash avenue, and were the center of attraction for the rose-growers of the vicinity, who eagerly grasped the opportunity to see the novelties and admire their good qualities.

Dark Pink Killarney is a beautiful sport of Killarney, the color being of a very bright pink, much darker than the parent at its best and with all the good qualities of that popular variety. It is sure to win favor with the growers for the color is very pleasing and there will be no danger of having light colored roses during the short, dark days or cloudy weather.

Prince de Bulgarie is a light pink, very full and is equally handsome in the bud or when half open. The comments on the flowers shown made by those who saw them were all very favorable.

Lady Cromwell is a salmon pink sport of My Maryland of very pleasing color and beautiful shape and substance, with all the excellent qualities of its parent, and is of a color that will be popular with the high-class trade.

National Flower Show.

Under the auspices of the Society of American Florists the National Flower Show will be held in Boston, March 25 to April 1, 1911. The support so far given by the trade in general has been most generous, and many of the prominent firms of the country have secured space for their exhibits. But it is hoped that every concern that caters to the florist trade will be represented, and to that end, and to make this exhibition one that will receive world-wide recognition and rebound to the glory of the society, every member should take an active interest in this matter and induce those with whom they trade to exhibit their goods at this time.

The general manager, Chester I. Campbell, has been engaged because of experience in details of such exhibitions, and also being a member of the S. A. F., but the co-operation of every member of the society and trade is necessary to make this show a grand success. The exhibition has been brought to the attention of all flower lovers of New England and the attendance will undoubtedly be large. The manager earnestly requests that everything will be done to boom the show and will welcome any suggestions to accomplish that end.

In addition to the list of exhibitors published in THE AMERICAN FLORIST in the issue of December 10 these additional concerns have engaged space: Bobbink & Atkins, Rutherford, N. J.; D. Landreth Seed Co., Bristol, Pa.; Lager & Hurrell, Smmitt, N. J.; Yokohama Nurseries, Inc., New York; Julius Roehrs Co., Rutherford, N. J.; Fottler, Fiske & Rawson Co., Boston, and Bradley Fertilizer Co., Boston.

New York Notes.

C. W. Scott of the Yokohama Nursery Co., and wife are back from a very pleasant trip to the Bermudas. From personal observation, they speak very highly of the conditions of the Lillium Harrisii crop as it is at present, being very healthy and vigorous. They also mention that the growing of mixed collections of bulbs there has been about discontinued, growers now devoting their space to the true Harrisii as near as is possible, some growers, they aver, realizing that the demand for Harrisii has been on the wane for some time, have gone out of the business of bulbs entirely. On the return trip Mr. and Mrs. Scott were held up by the fog outside Sandy Hook for 30 hours but even this exasperating delay when so near home was not sufficient to mar the pleasure of what they term a most delightful trip.

The New York and New Jersey Association of Plant Growers will hold their third annual dinner on Thursday, February 2, at the Cafe Martin, Twenty-sixth street, near Broadway. The committee in charge of the dinner arrangements, Julius Roehrs, Jr., Herman C. Steinhoff and Louis Dupuy, announce that there will be no speech-making as music and other entertainment will be provided by professional talent. Members and their wives and friends are assured of a pleasant evening. It is not to be a full dress affair; on the contrary, those attending are requested to appear in their business attire. The tickets are \$6 each and as the previous annual dinners of this association have been such enjoyable gatherings a large attendance of members and friends is assured.

The executive board of the National Sweet Pea Society of America were banqueted by President W. A. Burpee at the close of their meeting, held in the Astor House, January 5. Among those present were W. G. Kerr, Wm. Simm, H. A. Bunyard, A. Forbes and Mr. Wilson. The principal business of the meeting was the arranging of prizes to be offered at the show to be held in Boston in March, in conjunction with that of the National Society.

Hart, florist at 1000 Madison avenue, suffered a total loss by fire on the night of January 6, cause of fire being unknown. The greenhouse in the rear of the store, counters, ice-box, fixtures and stock all went. It is understood that it will be fully a month before repairs can be made and business resumed.

The long-established retail business of E. A. Burgess, 423 Bedford avenue, Brooklyn, has been purchased by E. Meissner & Son, who are now in possession. The Meissners are well known in the trade and everybody wishes them all success in their new venture.

Being obliged to vacate, as the building is to be torn down, M. A. Boone, retail florist, Broadway and Thirty-fourth street, has moved to Thirty-third street, next door to the Hotel Martinique. This is but a few steps from the old location.

Recent visitors included W. A. Burpee, Philadelphia, Pa.; W. G. Kerr, Doylestown, Pa.; Wm. Simm, Cliftondale, Mass.; J. Ryken, representing H. M. Hardyzen, Boskoop, Holland.

H. A. Bunyard, general manager at Arthur T. Boddington's, is receiving the congratulations of his friends on his appointment to the directorate board of the S. A. F.

The Kernan Co., dealers in evergreens, are moving from 112 to 119 West Twenty-eighth street, where they will have much more commodious quarters.

The annual dinner of the Morris County Gardeners' and Florists' Society will be held at the Mansion House, Morristown, N. J., January 16.

Paul Dailedouze and Henry Dailedouze, the retired Brooklyn growers, will leave shortly for a voyage to Porto Rico.

A directors' meeting of the Cut Flower Exchange was held on December 7 at their office in Long Island City.

A meeting of the trustees of the New York Florists' Club was held in Traendly & Schenck's offices January 6.

The twelfth annual dinner of the Tarrytown Horticultural Society will be held at the Hotel Tarry, January 18.

C. W. Ward is reported seriously ill at New Orleans. His wife and family physician have been telegraphed for.

C. Loechner has opened an office at No. 1 Hudson street.

The Flatbush Bowling Club has been in existence 22 years and has met every Thursday evening without an exception since its organization. On January 5 the annual roll for prizes took place and everybody won something of value. The scores made were as follows:

C. Woeker	131	117	143	143
A. Demusy	169	176	155	150
A. Zeller	120	120	110	124
H. Dailedouze	197	213	175	182
P. Dailedouze	172	138	139	170
A. Schmutz	164	136	167	154
E. Hanssen	168	147	137	117
P. Riley	169	143	168	...
L. Schmutz	163	133	145	...

Yonkers Horticultural Society.

On Friday, January 6, a well attended meeting of this society was held in Wiggin's Hall. A. Herrington installed the officers elected for 1911, previously speaking very highly of the work done by the gentlemen who held office in 1910. He said that the sound position, financial and otherwise, held by the society, is due to efforts made by the retiring officers. The president, Lee Whitman, spoke of necessary hard work for the coming year. Invitations were received from the Morris County and Tarrytown Horticultural Societies inviting members to the annual dinner given by each of those bodies. The Yonkers dinner committee were instructed to go ahead and make arrangements for an early date. Julius Roehrs & Co. exhibited cut blooms of some fine forms of Cattleya trianae, Lycaste Skinneri alba, Laelia anceps alba, etc. A committee composed of A. Herrington, W. H. Waite and A. Bennett awarded a certificate of merit to this exhibit.

H. M. BLANCHE, Sec'y.

PROVIDENCE, R. I.—The fourteenth annual supper of the Florists' and Gardeners' Club of Rhode Island will be held January 16.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young gardener well versed in European and American culture, wants private position: best references. Address Key 364, care American Florist.

Situation Wanted—Carnation grower, one capable of taking charge of section, wishes to secure situation at once; can furnish A1 references. Address Key 363, care American Florist.

Situation Wanted—In carnation section or where a general line of stock is grown; am 24 and single. Address Key 372, care American Florist.

Situation Wanted—As florist or assistant gardener; 12 years' experience in all branches; good fireman; age 26; single, English; excellent references. BURTON, Newton, Iowa.

Situation Wanted—Grower with six years' experience and capable of taking charge wishes to secure situation immediately. Experienced in the growing of carnations, chrysanthemums and bedding stock; honest and willing to work. Address Key 367, care American Florist.

Help Wanted—Practical florist for general work; must be sober and industrious; wages, \$12.00 per week to start. MAX RUDOLPH, 11 W. 12th St., Cincinnati, O.

Help Wanted—Florist salesman, designer and high-class make-up. A man with thorough experience and best recommendation. Good salary. Address ALPHA FLORAL CO., 197 Wabash Ave., Chicago.

Help Wanted—At once, a grower of roses, carnations and general greenhouse stock, to work under foreman. Salary \$60 a month, with house rent free. Married man only wanted. Address IDLE-HOUR NURSERIES, Macon, Ga.

Help Wanted—Gardener for place of ten acres near Chicago; must have good practical knowledge of ordinary landscape gardening fruit and vegetable culture, and general care of home grounds. Address Key 368, care American Florist.

Help Wanted—A wide-awake man who is capable of managing a well established florists' wholesale commission house in the west; must be a hustler; prefer one who is willing to put a little money into the business; a splendid opportunity for the right man; salary and commission. Address Key 362, care American Florist.

For Sale—Well established retail seed store; bargain if taken at once; location, Cleveland, Ohio. Key 366, care American Florist.

For Sale—Second hand ice box box, solid oak, 9x5x2½ feet; a bargain if taken at once. RAICHAR & KREJCI, 3250 West Twenty-sixth St., Chicago.

For Sale—Small but good florist business; 1,500 feet of glass; cottage; 50 ft. length of hot beds; in fast growing town in Oklahoma; no competition; \$1,200 if taken at once. Key 369, care American Florist.

For Sale—Greenhouse and five acres of ground; 5,000 feet of glass; 1000 feet of hot-bed glass; all latest improved; new \$3,000 house; good boiler room, barn and other improvements. Address Key 370, care American Florist.

For Rent—My home farm 83 acres on macadam road close to town; land in fine condition, suitable for garden, poultry or small dairy; have 70 acres of good meadow land close by, for rent, in addition if wanted; good water supply and fine home market. R. DADY, Waukegan, Ill.

Wanted to Purchase—A retail store in middle west city (not less than 50,000 population), at once, for cash. Address Key 371, care American Florist.

Head Gardener

33 years old; single, with 20 years' experience on private estates and commercial places from Germany, Switzerland, Sweden, France, England and United States with first-class references from each place, is now open for engagement on private estate until April 1, 1911.

Address Key 352, care American Florist.

Grower and Manager

An experienced grower of all lines of commercial greenhouse stock is open to engagement as manager or foreman of a modern establishment. References of the best character and full particulars on application. Address Key 360, care American Florist.

Outdoor Man Wanted.

Thoroughly competent, for the usual run of work that the retail florist is called upon to do around private houses and gardens during the spring and summer months. Permanent place and good wages to the right man. Must have had experience in this line. Address Key 361, care American Florist.

FOR SALE.

An up-to-date Florist Plant; modern greenhouses; 70,000 feet of glass; 12 acres of land; large brick dwelling house, heated by steam; two barns. Everything in first-class working order.

W. W. Coles, Kokomo, Ind.

For Sale.

Best equipped Flower Shop on the most prominent corner in New York City, is offered for sale at a great sacrifice. A fine opportunity for a live man. Address or apply H. W., 103 E. 29th St., New York.

Wanted

Designer and Decorator.

Advertiser wants an up-to-date designer and decorator. Must be a man of good habits and accustomed to high-class trade. Steady position and good wages to the right man.

CANGER & GORMLEY, 27 State Street, CHICAGO.

Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid

Aphine

The Insecticide that
kills plant Lice
of every species

You may depend on it for positive results,
without fear of failure or dissatisfaction.

\$2.50 per gallon; \$1.00 per quart.

FUNGINE

An infallible remedy for mildew and other
fungus diseases. A clean, safe and easily ap-
plied spraying material, particularly adapted
for the greenhouse.

\$2.00 per gallon; 75c per quart.

For Sale by Seedsmen.

MANUFACTURED BY

Aphine Manufacturing Co., Madison, N. J.

Landscape Gardening



PROF. CRAIG.

A course for Gar-
deners. Florists and
Home-makers, taught
by Prof. Craig and
Prof. Beal of Cornell
University.

Progressive Florists
recognize the growing
importance of a knowl-
edge of Landscape Art.
Gardeners who un-
derstand up-to-date
methods and practice
are in demand for the
best positions.

A knowledge of Landscape Gardening is
indispensable to those who would have
the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Louisville.

Christmas trade was about up to the
average. The weather was cold and
unfavorable, nearly every florist hav-
ing some losses from plants being
frozen in delivering, it being warm in
the middle of the day and growing
bitter cold later, and plants were frozen
even when wrapped.

NOTES.

Florists have trouble with insects
destroying plants, but C. H. Kunzman
Floral Co. had a new enemy appear.
Some cows got into their carnation
houses last fall and did serious damage,
eating the carnation plants. They had
a fine lot of Lorraine begonias and
cyclamen plants to wholesale Christ-
mas, but their carnations were off
crop.

The C. B. Thompson Co. had the
plants frozen in the conservatory back
of the store owing to the neglect of
the company supplying steam heat,
letting the steam get too low the night
of January 3. Mrs. C. B. Thompson is
confined at home by illness.

Nick Ruhlman will dispose of his
greenhouse plant in this city, purchas-
ing property outside where he can
spread out. He was recently elected
Regent of the Louisville lodge Royal
Arcanum.

Mrs. G. W. Hodges had a serious
loss by fire, one greenhouse partially
destroyed and the barn filled with
hay and containing a number of boxes
of greenhouse glass was totally de-
stroyed. The horses and cows were
saved.

A letter from Chas. Rayner, formerly
president of the Anchorage Rose Co.,
who is now located at Hill Crest, Van-
couver, B. C., says he is prospering
and is delighted with the place.

Don't Forget, in the Rush

That You'll Need Stock Later on.

For example, there's your

Manetti

For winter grafting. We offer English at
\$12.00 the thousand; French at \$10.00. Both
good; 3 to 5 millimeters; smooth, evenly
graded, disbudded, well-rooted stocks, es-
pecially selected for florists' grafting.

Lily of the Valley

Reimschneider's Exposition, \$14.00 the
thousand (1,700 to the case).

Perfection, \$12.00 the thousand (2,000 to the
case).

Holsatia, for storage and later forcing, \$11.00
the thousand (3,000 to the case).

Write and make known your wants. We are Growers for the Trade,
and sell only to the Trade. Use printed stationery.

Lilacs

Imported, pot-grown, for cut flowers; bushy,
suitable for 7 or 8 inch pots, 50c each; \$5.00
the dozen. Charles X only.

Half-Standard Roses

Baby Rambler and Mrs. Cutbush, 50c each;
\$5.00 the dozen. No better at any price.
Full Standard Baby Rambler, same.

Bush Roses

Fine assortment leading H. P.'s like Brun-
ner, Charta, Druschki, etc.

Also Hybrid Teas, Ramblers,
Dorothy Perkins, etc.

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen,

NEWARK (Near Rochester), NEW YORK

Ferns for Dishes

Per 100 Per 1000
2 1/4-in. \$3.50 \$30.00
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Geo. A. Kuhl,

WHOLESALE AND RETAIL
FLORIST,

PEKIN, : ILL.

Mention the American Florist when writing

J. B. Stuessy is chairman of a com-
mittee to make arrangements and in-
vite the Florists' convention here next
year, or the year following, as deemed
most advisable.

Bulb stock has sold well so far this
season, Narcissus and Roman hya-
cinths being in good demand owing to
so much funeral work.

Geo. Schulz has bought the fixtures
and will continue the business of Fred
Shulz, who went into bankruptcy re-
cently.

F. Walker & Co. have just installed
a new refrigerator, glass sides and
front and plate glass mirror in the
rear.

There was an over supply of holly
here, one commission house having
forty or more cases left on hand.

A. Rasmussen is cutting the finest
carnations in this locality and supplies
several of the leading florists.

Wood, Stubbs & Co. are out with their
new catalogue and are well pleased
with business prospects.

Wellson Wooton had a boiler give
out, but got another one installed be-
fore any serious loss.

Mrs. C. W. Reimers, Henry Fuchs
and F. C. Haupt have fine new deliv-
ery wagons.

Miss Alice Miller has returned from
Europe after several months' absence.

Business has held up well since the
holidays. H. G. W.

CARNATIONS

Rooted Cuttings

We supply them of even size and
well rooted. Orders booked now
for January delivery and later.

	Per 100	1000
White Wonder. Our new white....	\$12 00	\$100 00
Gloriosa. Our new pink.....	12 00	100 00
Pink Delight.....	6 00	90 00
Scarlet Glow.....	6 00	50 00
Shasta.....	6 00	50 00
Sangamo.....	6 00	50 00
Dorothy Gordon.....	6 00	50 00
J. W. Riley.....	6 00	50 00
Admiration.....	6 00	50 00
White Perfection.....	3 00	25 00
Winona.....	3 00	25 00
Enchantress.....	3 00	25 00
White Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Beacon.....	3 00	25 00

F. DORNER & SONS CO.,
LaFayette, Ind.

Grafted Rose Plants.

3000 Pink Killarney, 1 year old from
bench \$5.00 per 100, \$40.00 per 1000.

Rooted Rose Cuttings.

Rooted Pink Killarney, Cuttings, \$2.50
per 100, \$20.00 per 1000.

Rooted Richmond, Cuttings, \$2.00 per
100, \$15.00 per 1000.

Geo. Reinberg
35 Randolph St., CHICAGO.

Boston Ferns...

2 1/2-in. \$30.00 per 1000

WHITMAN FERNS

2 1/2-in., \$5.00 per 100; \$40.00 per 1000.
250 at 1000 rate.

Magnifica, 2 1/2-inch 15c each.
HENRY H. BARROWS & SON, Whitman, Mass.

Make Money Selling Orchids-- We're Ready to Help You Do It!

Ever try Orchids on your cut-flower trade? If not, you probably haven't an accurate idea of how profitable a line they are—profitable, in bringing you the **best** trade of your town; profitable, in making you a patronage that **holds** because pleased; profitable, in the **margin** between the buying and selling price.

In our experience with Orchids, we have learned to love them for their beauty and their commercial value—they are distinctive and "original," and, to those who love odd and charming things in cut flowers, no other can compare with them.

Orchids are superb for floral designs and are increasing in popularity for corsage bouquets, etc. They command a much higher price than you can get for other flowers, and of course, the profits are correspondingly greater.



Heacock's Cattleyas
Will Bring You Profits.

We Know How to Grow Orchids--Will Supply Flowers That You Can Sell Profitably.

We have been growing Orchids for several years. We started with a small stock of plants and investigated their value as commercial cut flowers. We sell the flowers principally at wholesale, but have studied the retail market closely. We **know** that Orchids sell readily and bring retail florists a good profit; they can be shipped for long distances without injury, and will stand a lot of rough handling. These and other facts have determined us to go into the business on a wider scale.

We are, therefore, now ready to supply Orchid flowers to the trade at reasonable rates, securely packed to carry for long distances—a thousand miles or further without difficulty. We grow many leading commercial varieties and will quote prices and give particulars on request.

When in Philadelphia Be Sure to Look Us Up.

Joseph Heacock Co., Wyncote, Pa. **Railway Station
JENKINTOWN:**

CARNATION

Mrs. G. W. Ward

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchases.

MRS. C. W. WARD

is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.
The color is the clear, deep pink so much in demand.

**Rooted Cuttings: \$6.00 per 100;
\$50.00 per 1000.**

ALMA WARD, Large White. **Rooted Cuttings :
\$7.50 per 100. \$60.00 per 1000.**

Cottage Gardens Co.,

QUEENS, LONG ISLAND, NEW YORK.

Fancy Carnations

Roses and Beauties

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$8.00
36 inches.....	4.00 to 5.00
24 to 30 inches.....	3.00
15 to 18 inches.....	2.00
8 to 10 inches.....	1.00

Richmond and Rhea Reid

Extra long.....	per 100	\$12.00
Good lengths.....	per 100	8.00
Medium lengths.....	per 100	6.00
Short.....	per 100	4.00

Maids, Maryland, Killarney, Brides, White Killarney, Kaiserin,

Extra select.....	per 100,	\$10.00
Good lengths.....	per 100,	8.00
Medium lengths.....	per 100,	6.00
Good short lengths.....	per 100,	\$3.00 to 4.00

CARNATIONS

Fancy pink and white.....	per 100,	\$ 4.00
Fancy red, O. P. Bassett.....	per 100,	4.00
HARRISII LILIES.....	per doz.	2.00
".....	per 100,	16.00
Lily of the Valley.....	per 100,	\$3.00 to 4.00
Asparagus.....	per string,	.50
Asparagus Sprays.....	per 100,	\$2.00 to 4.00
Sprengerl.....	per 100,	2.00 to 3.00
Ferns.....	per 1000,	2.00
Smilax.....	per doz.,	1.50 to 2.00
Adiantum.....	per 100,	1.00
Galax, Green.....	per 1000,	1.00
" Bronze.....	per 1000,	1.25
Select Pink and White Sweet Peas.....	per 100,	1.00

Buy Direct of the Grower and Get Fresh Stock
BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

STOCK PLentiful.

Plenty of everything has been the word at all the stores during the past week, but the weather has been quite cold and the rose cut with many of the growers is shortening up and for the last few days the demand for some varieties has been very close to the receipts, and with some there is a scarcity of pink roses. The stock is all of fine quality, and while there is a good call for the short and medium lengths much of the cut that is being brought into the market is of the longer grades. American Beauties especially are almost all long stemmed flowers, but as to quality they are grand and the prices at which they are quoted are very moderate. Carnations are in oversupply yet the better grades are selling well and at good prices, but there is a great oversupply of the poorer flowers many of which have hard work finding a market. Sweet Peas are coming in much more plentiful and may be found in good quantities at all the stores. Orchids are arriving in good quantities and the prices are tending downwards. The bulbous stock is now beginning to be felt upon the market, there being plenty of Paper White narcissus and Roman hyacinths. Tulips are being offered and the quality is very good, but with the plentiful supply of other stock, they are not meeting with any great demand. Trumpet major and Golden Spur are both to be seen but not yet in any great quantity. Freesia is a daily offering and of good quality and is greatly appreciated by the nice trade. Greens are in good supply and of good quality. The topic of interest and conversation at the wholesale stores is the project of a general removal from the several buildings which they have occupied in the vicinity of the corner of Wabash avenue

Fancy Carnation Blooms

The Pleasing Kind

Our Carnations are arriving in splendid condition, and are bound to give satisfaction.

Remember we are growers and ship our customers strictly fresh stock, properly packed. We can please you when all others fail.

Price List.

Am. Beauties, extra long.....	per doz.,	\$5.00
30 to 36-in.....	per doz.,	\$3.00 to 4.00
Short.....	per 100,	1.00 to 2.50
Per 100		
Killarney, } White Killarney, } Brides, } Maids, } Richmond.....		\$2.00 to \$6.00
Carnations, extra fancy.....		5.00
Select.....		4.00
Good.....		3.00
Valley, choice.....		4.00
Violets, Double.....		1.50 to 2.00
Single.....		1.00 to 1.50
All Greens, etc. at lowest market prices.		

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

and Randolph street, to a new building that is contemplated at the corner of Market and Lake streets, and there is a very strong sentiment toward making arrangements for quarters in the projected building.

NOTES.

Notwithstanding the inclement weather a party of 35 gathered at the La Salle street station at 11:45 January 11 to accept the invitation of the Chicago Carnation Co. and visit the greenhouses at Joliet and inspect the new variety, Washington. Manager Pyfer was on hand in the capacity of host and guide and acceptably filled the position. Upon the arrival at the houses dinner was served and the afternoon

was spent overlooking the houses and carnation novelties. The party consisted of the following: J. B. Deamud, John Zech, J. P. Degnan, John Kruchten, John Sinner, J. Dinstel, James Frenicka, E. L. Gammon, Anton Then, Fred Smith, Theo. Gallos, A. Christiansen, Frank Beu, Charley Kruchten, of this city; Fritz Bahr, J. McNeil, Joe Sullivan, Highland Park; A. Schultz, Frank Roth, John Leavy, Frank Smithers, Hammond, Ind.; Guy French, N. A. Schnitz, Wm. Flugge, Morton Grove; Frank Dant, Decatur; H. W. Buckbee, Rockford; J. R. Falkenstein, Naperville; E. O. Opert, John Tiplady, Henry Illenberger, Lake Forest; C. Klemm, Arlington Heights; N. Bezdek, Wilmette.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

CURRENT PRICES

Subject to Change Without Notice.

AMERICAN BEAUTIES		Per doz.	GOOD SHORT STEM ROSES		Per 100
Specials		\$6.00	Our selection		\$4.00
36-inch		5.00	Our Extra special grade Roses charged accordingly.		
30-inch		4.00			Per 100
24-inch		3.00	CARNATIONS , fancy		4.00
18 to 20-inch		2.00	“ first	\$2.00 to	3.00
12 to 15-inch		\$1.00 to \$1.50	“ splits		1.50
Short stem		4.00 to 6.00	ORCHIDS , Cattleyas, per doz	\$4.00 to	6.00
CARDINAL , Long		2.00	HARRISII and CALLAS , per		
Medium		1.50	doz.	\$2.00	15.00
Short, per 100		6.00 to 8.00			Per 100
		Per 100	NARCISSUS PAPER WHITE		\$2.00
RICHMOND , extra		\$12.00	ROMANS		4.00
Select	\$8.00 to	10.00	VALLEY	\$3.00 to	5.00
Medium		6.00	VIOLETS , double .....	.75 to	1.00
Good short		4.00	“ Single, Princess of Wales .....		.75
KILLARNEY , extra		\$12.00	MIGNONETTE , large spikes		6.00
Long	\$8.00 to	10.00	SWEET PEAS .....	.75 to	1.00
Medium		6.00	STEVIA		2.00
Good short		4.00	ADIANTUM CROWEANUM .....	.75 to	1.00
MY MARYLAND , extra		\$12.00	SMILAX	per doz., \$2.00	
Long	\$8.00 to	10.00	SPRENGERI , P L U M O S U S		
Medium		6.00	SPRAYS	3.00 to	4.00
Good short		4.00	PULMOSUS STRINGS	each, 60c	
WHITE KILLARNEY , extra		\$12.00	FERNS	per 1000, \$2.00	
Long	\$8.00 to	10.00	GALAX	“ 1.25	
Medium		6.00	LEUCOTHOE .....		.75
Good short		4.00	BOXWOOD , per bunch 35; per case		
PERLE , long	\$6.00 to	\$8.00	of 50 lbs.	\$7.50	
Medium		4.00	WILD SMILAX , 50 lb. case	\$5.00	

POEHLMANN'S FANCY VALLEY EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the year.
Once tried you will have no other.

A novel sight is interesting the pedestrians and automobilists that pass the fountain at the junction of Grand boulevard and East Thirty-fifth street. A spruce tree was placed in the fountain and on the advent of the recent cold wave under the guidance of J. F. Foster, superintendent of the South Parks, the workmen sprayed the tree with water from a hose and the cold created an iceberg, an American flag was then placed on the highest pinnacle. Surrounding the frozen pyramid stretched wires on which are fastened electric lights in red, white and blue.

W. H. Troyer of Elkhart, Ind., was in the city this week, getting prices on a new greenhouse, 30x105 feet, which will be erected in the near future. Mr. Troyer reports a very good season, the holiday trade being exceptionally large. A neat profit was realized from plants, especially poin-

settias, which were all sold at a good figure.

At J. A. Budlong's carnations and roses continue to be the chief offerings and they certainly are good. Judging from the number of boxes that are being continually shipped out there is no question but that this firm is enjoying a splendid shipping trade.

A. F. Longren and W. C. Johnson, the traveling representatives of E. H. Hunt, started out this week over their usual territory, drumming up business for the firm. Clifford Pruner returned recently from a business trip to St. Louis, Mo.

At Poehlmann Bros. Co.'s we noted an extra fine grade of white, pink and lavender sweet peas on extra long stems. This firm is also cutting a fancy grade of calla and Harrisii lilies that equal any seen in the market.

The stock arriving at Hoerber Bros. is fine in every way, good carnations,

Bride, Bridesmaid, Richmond, White Killarney and Killarney roses. Killarney is in magnificent condition, fine buds on long stems with splendid foliage.

The J. B. Deamud Co. is the recipient of a splendid grade of stock of all kinds. Carnations and sweet peas are looking fine, also Trumpet Major and lupins, of which they are receiving a liberal supply.

Chas. W. McKellar had a slight operation performed for blood poisoning, mention of which was made in these columns last week. Frank Ayers is looking after the business during the proprietor's absence.

Miss Ambrose has accepted a position as stenographer with the Chicago Carnation Co., entering upon her duties January 11.

A. Henderson & Co. are offering for sale a large number of rooted carnation cuttings.

High Grade Cut Flowers

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid
Boxwood, Ferns, Leucothoe and Mexican Ivy

Plenty of all other
seasonable stock, and Fancy Carnations in good supply.

CURRENT PRICE LIST

		Per 100		Per 100	
American Beauty		Per doz.		Per 100	
Special		\$6 00		Carnations	\$ 4 00
36-inch		5 00		1st quality	\$ 2 00 to 3 00
30-inch		4 00		Valley	3 00 to 5 00
24-inch		3 00		Harrisii Lilies	12 00 to 15 00
18 to 20 inch		00		Sprengeri	3 00 to 4 00
Short stem		\$1 00 to 1 50		Asparagus Plumosus,	
12 to 15-inch, per 100		8 00 to 10 00		extra quality per bunch	50
Richmond, fancy		Per 100		Fancy Ferns, per 1000	00
select		\$12 00		Smilax, per doz	1 50 to 00
medium		\$8 00 to 10 00		Wild Smilax, per case	500
good short		6 00		Violets	75 to 1 50
Killarney, fancy		\$12 00		Sweet Peas	75 to 1 00
select		\$8 00 to 10 00		Mignonette	6 00
medium		6 00		Romans	3 00 to 4 00
good short		4 00		Stevia	2 00
Bridesmaid, fancy		Per 100			
select		12 00			
medium		8 00 to 10 00			
good short		6 00			
Bride, fancy		12 00			
select		8 00 to 10 00			
medium		6 00			
good short		4 00			
My Maryland, fancy		12 00			
select		8 00 to 10 00			
medium		6 00			
good short		4 00			
ROSES, our selection		6 00			
CATTLEYA		per doz. 4 00 to 6 00			

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Thomas Brown and Albert Stahlein, of Detroit, Mich., spent a few days of last week in the city on business and pleasure combined. The Chicago Carnation Co.'s greenhouses at Joliet were also visited and both were favorably impressed with the fine condition of the stock.

Bassett & Washburn are on with a heavy crop of carnations and some excellent blooms can be seen at the store this week. Their O. P. Bassett carnation is looking particularly fine and is in great demand, selling readily and bringing good prices.

Allie Zech received a letter this week from his old friend, Teddy Vogel, now located at Los Angeles, Calif. Teddy wrote they were having ideal weather and that the outdoor peonies were now in bloom.

Vaughan & Sperry are enjoying a splendid shipping trade, large quantities of stock being sent out daily. A fancy grade of American Beauty roses was seen at the store this week.

Peter Reinberg is cutting a large quantity of American Beauty, Richmond, Killarney and White Killarney roses, the latter being of exceptionally good quality.

Zech & Mann are mailing to their customers a very attractive calendar, the scene, which represents a reproduction of summer time, being a work of art.

O. Johnson of the Flower Growers' Market informs us that the Batavia Greenhouse Co., of Batavia, lost several boxes of glass in last Sunday's storm.

The White Killarney roses that Wiator Bros are receiving at the store are of A-1 quality, fine buds on long stems with splendid foliage.

Wieland & Risch continue to receive an ample supply of roses and carnations and some excellent stock can be seen at the store this week.

"The Busiest House in Chicago."

Wild Smilax, Fancy Ferns, Galax,

All Florists' Greens and all Seasonable Flowers

Constantly on Hand.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

The E. C. Amling Co. are now comfortably located in their new store, 19 Randolph street, the change being made January 6.

Henry Van Gelder of Percy Jones', is receiving a large quantity of violets, carnations and all other seasonable stock.

G. H. Pieser of Kennicott Bros. Co., we are pleased to state, is improving in health and early recovery is looked for.

The Avenue Floral Co., 3810 Grand avenue, report a rushing business with plenty of funeral and wedding work.

The Geo. Wittbold Co., 737 Buckingham place, report a very busy week, funeral work occupying their attention.

The annual meeting of the Horticultural Society was adjourned January 10 to February 7.

The roses and carnations that John Kruchten is offering this week are of extra good quality.

Kyle & Foerster are filling a large number of orders for a fancy grade of Killarney roses.

A prominent social event of the week was the White-Harris wedding January 7. The decorations at both the church and residence were handsome and elaborate and were arranged by John Canger of Canger & Gormley.

Geo. Asmus says business is very brisk and several of his assistants are on the sick list.

H. E. Philpott took his departure January 7 for his home in Winnipeg, Canada.

Wm. Dittman of New Castle, Ind., is spending the present week in the city.

J. B. Deamud celebrated the 45th anniversary of his birth last Monday.

E. F. Winterson Co. is showing some extra fine lilies and tulips this week.

Bob Newcomb is now with Vaughan's Seed Store.

Visitors.—Wm. Dittman, New Castle, Ind.; Anders Rasmussen, Wm. Beetman, New Albany, Ind.; Thomas Brown, Albert Stahlein, Detroit, Mich.; W. H. Troyer, Elkhart, Ind.; A. N. Pierson, Cromwell, Conn.

BEAUTIES!

We are cutting heavily in **AMERICAN BEAUTY ROSES** and can fill your order on short notice. Also a fancy grade of **RICHMOND, KILLARNEY** and **WHITE KILLARNEY**. Plenty of all other seasonable stock.

PRICE LIST:

AMERICAN BEAUTIES

	Per Doz.
Extra long.....	\$6 00
36-inch stem.....	5 00
30-inch stem.....	4 00
24-inch stem.....	3 00
20-inch stem.....	2 50
18-inch stem.....	2 00
15-inch stem.....	1 50
12-inch stem.....	1 00
Short stem.....	75

Richmond.....	
Killarney.....	
White Killarney.....	
Field.....	
My Maryland.....	
Uncle John.....	
Bride.....	
Ivory.....	
Sunrise.....	
Gate.....	
Perle.....	

	Per 100
Special.....	\$12 00
Select.....	\$ 8 00 to 10 00
Medium.....	4 00 to 6 00
Short.....	3 00
Select.....	10 00
Medium.....	6 00 to 8 00
Short.....	3 00

ROSES, OUR SELECTION, AN EXTRA GOOD GRADE, \$3.00 per 100.

CARNATIONS

	Per 100
Fancy.....	\$ 4 00
Common.....	\$2 00 to 3 00
Split.....	1 50
Harrisii.....	15 00
Valley.....	4 00 to 5 00

	Per 100
Violets.....	\$ 75 to \$1 25
Stevia.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Asparagus.....	per bunch, \$0 50
Ferns.....	per 1000, 2 00

Subject to change without notice.

PETER REINBERG, ^{35 Randolph St.}CHICAGO.

Chicago Florist's Club.

The regular meeting of the Chicago Florists' club was held at the Union restaurant, January 5, with President Asmus in the chair. There was a large attendance and the usual business was transacted, including the election of nine new members as follows: J. W. Starrett, 5657 Saginaw avenue; Wm. Wolniewiz, 1214 East School street; J. W. Schmid, 913 Montana street; V. Bezdek, Wilmette, Ill.; H. B. Dorner, Urbana, Ill.; Nick Karthaus, r. Ridge avenue; Geo. Gobel, 2242 Warren avenue; A. Malchow, 3743 North Clark street; Guy M. Reburn, 51 Wabash avenue. Proposed for membership: C. L. Sherer, 4931 Superior street; Max Cohen 1563 West Polk street; W. L. Kroeschell, 440 West Erie street; E. F. Winterson, Jr., 45 Wabash avenue; J. Wolniewiz, 1214 School street. Officers for the ensuing year were elected as follows:

H. E. Philpott, president.
A. C. Kohlbrand, vice-president.
A. T. Pyfer, secretary.
E. F. Winterson, treasurer.

H. N. Bruns, Alex. Henderson and John P. Degnan were re-elected trustees. The installation of officers followed, the rules having been suspended for that purpose, as ordinarily the installation would not take place until next meeting. A. N. Pierson, Cromwell, Conn.; Thos. Brown and Albert Stahlein, Detroit Mich., and E. O. Orpet, Lake Forest, were visitors and made brief addresses. Manager Pyfer, of the Chicago Carnation Co., exhibited a number of carnations, including Washington, Princess Charmine and seedlings No. 186, fine scarlet, and No. 150, very large, cerise pink, all of which were very fine and given honorable mention by the examining committee. C. W. Johnson, of Mount Greenwood Cemetery, exhibited seedling No. 3508, a good scarlet, and a



ORCHIDS

:: A Specialty ::

A fine stock of **Cattleyas, Gardenias, Cypripediums, Assorted Orchids, Valley, Violets, Beauties**, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. McKELLAR
51 Wabash Avenue.
CHICAGO.

vase of mixed seedlings. These also were given honorable mention. A. N. Pierson exhibited Dark Pink Killarney, Prince de Bulgarie and Lady Cromwell roses. Some references to these will be found elsewhere in this issue, but it may be stated here that Mr. Pierson remarked that Prince de Bulgarie was of European origin and was known in this country to some extent as Mrs. Taft. Prince de Bulgarie and Dark Pink Killarney were awarded certificates.

Supper was served after the meeting, F. F. Benthey officiating as toast-

U S Budlong's
E Blue Ribbon Valley.

master. President-elect Philpott was called upon after supper and thanked the members for the honor conferred

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

Store, 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

University has offered to install two freight and two passenger elevators, also a cold storage plant with pipes throughout the building, giving each dealer a separate cold storage room as large as may be desired. The rent will be much lower than the florists are now paying and in addition they will be granted a lease of from five to 10 years. Nearly all the wholesale men favor the new location and several have already signified their willingness to vacate the present quarters. The new building will be modern in every particular and well lighted. A meeting was held January 10 at the Poehlmann Bros. Co.'s store and another at Bassett & Washburn's store January 11.

Chicago Bowling.

On January 4 the Orchids won two games and lost one to the Roses, the Violets also won two and lost one to the Carnations. Several ladies were present and report having had an enjoyable time. A. Fisher heads the individual average list with T. C. Yarnall second and Allie Zech in third position. The following table shows the number of games won and lost by each team to date:

	Won.	Lost.		Won.	Lost.
Orchids	25	11	Carnations	16	20
Roses	19	17	Violets	12	24

The following table shows the individual and team scores for games played January 4:

Carnations.			Orchids.		
Ayers	207	152 163	Huebner	152	123 149
Krauss	141	88 175	Farley	116	135 162
Goerisch	158	142 181	Graft	152	141 134
Schultz	153	153 143	Degnan	139	189 141
A. Zech	156	161 189	Zech	166	166 164
Totals	815	696 847	Totals	725	759 750

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

	CHICAGO, Jan. 11.	Per doz.
Roses, Beauty, extra select...	36 in	6 00
" " 30 in		5 00
" " 24 in		4 00
" " 18 in		3 00
" " 12 to 15 in		2 00
" " Short		1 00@ 1 50
" " Bride, Bridesmaid, select...		Per 100
" " medium		4 00@ 6 00
" " Killarney, select...		8 00@ 10 00
" " medium and short		4 00@ 8 00
" " Kaiserin		4 00@ 10 00
" " Mrs. Jardine		4 00@ 10 00
" " My Maryland		4 00@ 10 00
" " Perle		4 00@ 10 00
" " Richmond		4 00@ 10 00
" " Uncle John		4 00@ 10 00
" " White Killarney, select...		10 00
" " medium		4 00@ 8 00
Carnations		2 00@ 3 00
" " fancy		4 00
Cattleyas	per doz.	4 00@ 6 00
Cypripediums		15 00@ 20 00
Gardenias	per doz.	3 00@ 6 00
Dendrobium Formosum		6 00
Lilium Harrisii		15 00
Lily of the Valley		3 00@ 5 00
Narcissus		2 00@ 4 00
Stevia		1 50@ 2 00
Sweet Peas		1 50@ 1 00
Violets		1 00@ 2 00
Adiantum	per 100	75@ 1 00
Asparagus Plum. strings, each		60@ 75
" " sprays		3 00@ 4 00
" " Sprengerl		3 00@ 4 00
Boxwood	per case	7 50
Ferns	per 1000	1 50@ 2 00
Leucothoe		2 00
Smilax	per doz.	2 00
Wild Smilax	per case	5 00

Violets.			Roses.		
Foerster	154	136 170	Wolf	210	131 177
Lieberman	176	134 165	Johnson	146	140 136
Friedman	137	198 134	Byers	190	125 140
Lorman	218	155 182	Kruchten	137	156 117
Yarnall	183	188 148	Winterson	189	115 145

Totals ..888 861 800 Totals...872 667 718

The following table shows the individual averages for games played this season:

Fisher	163	27/33	Schultz	154	5/56
Yarnall	167	3/36	Graft	153	10/36
A. Zech	165	2/33	Ayers	151	3/33
Johnson	163	24/36	Huebner	149	16/36
Vaughan	163	5/25	Lorman	146	23/36
Pasternitz	162		Liebermann	145	16/17
J. Zech	159	21/30	Byers	142	27/33
Farley	158	4/30	Goerisch	141	11/24
Wolf	157	8/36	Krauss	140	
Winterson	155	8/24	Schiller	126	9/21
Degnan	154	2/24			

NEWMARKET, ONT.—The new greenhouse, 21x180 feet, being erected by W. S. Perrin is now completed and the new heating plant installed. Two additional houses of similar construction are contemplated next year.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.
Long Distance Phone, Randolph 3619.

U S Budlong's E Blue Ribbon Valley.

Illinois State Florists' Association.

The sixth annual meeting of the Illinois State Florists' Association will be held at Champaign, February 8 and 9. An exhibition will be held in connection with the meeting, at which flowers are to be staged at 12 noon, February 8, and to remain until 12 o'clock February 10. For further particulars with regard to the exhibition write Secretary J. F. Ammann, Edwardsville, Ill. The programme includes addresses as follows: "Live Issues for the Florist," J. C. Vaughan, Chicago; "Some New Things," E. G. Hill, Richmond, Ind.; "Work at the Experimental Greenhouses," H. B. Dornier, Urbana.

BRATTLEBORO, VT.—The heating plant of C. E. Allen's greenhouses was nearly ruined by fire December 27.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

Philadelphia.

STOCK SHORTENING UP.

There has been quite a lull the past week, the demand being light for plants and cut flowers. There have been several large balls, included in which is the First Assembly, held at the Bellevue-Stratford Hotel, and the Charity Ball at the Academy, the decorations for these being in the hands of the Habermehls, who handle all the large work of this kind in the city. The supply of cut flowers, particularly roses, is shortening up. Richmonds are noticeably off crop, and Beauties are also shortening up. Carnations are about equal to the demand, but sweet peas are to be seen in quantity, the quality is fine and for the next month or two there promises to be a splendid lot of these flowers on the market. Orchids are much more plentiful, there being some splendid cattleyas offering in quantity. New crop lily of the valley is freely offered. Very fair tulips are seen. Mignonette has been scarce this season but is now offered by several of the large houses. Violets are in fair demand, the double and single being equal favorites. Narcissus and Roman hyacinths are coming ahead of the demand and Von Sion daffodils are quite good sellers at firm prices.

NOTES.

Hermann spent a day among the Lancaster brothers last week and was delighted with his visit. He says that several of the large establishments are given up to the culture of geraniums, making a business of sending out the rooted cuttings all over the country. Although they are grown here by the hundred thousand the large demand keeps the stock on the move at all times and he saw one telegraph order for 10,000 plants turned down as the grower was already full of orders for the next month.

A. N. Pierson of Cromwell, Conn., had a few of his new roses at Pen-nock-Meehan's last week. A dark pink Killarney was a pretty flower but seemed to lack substance. A red rose of E. Towill of Hillside, seen at the same time, looked good—it is a cross between Richmond and Beauty and is, I think, a prize-winner if as free as Richmond, which it resembles considerably.

The business of the late J. W. Col-flesh is to be carried on by his three sons, who will purchase the stock from the estate and rent the houses for a term of years. They have all been raised in the business and will no doubt carry it on successfully.

The Joseph Heacock Co. are now installed at 1526 Ranstead street and this move has already proved of great convenience to their customers, who get their stock earlier and also find a reserve to draw on later in the day if business is good.

The rafters of the new house, 50x500 feet, now being erected by Victor Groshens at Hillside, are being put in place. When this is completed he will have about 100,000 square feet of glass under cultivation.

At Elmer Weaver's a house 56x300 feet had just been completed and was planted entirely with sweet peas, which will give quite a cutting when they get in.

Wholesale Flower Markets

PHILADELPHIA, Jan. 11.		Per 100
Roses, Beauty, extra.....	20 00	30 00
" first.....	10 00	15 00
" Brides and Maids.....	2 00	15 00
" Killarney.....	2 00	20 00
" White Killarney.....	2 00	15 00
Cattleyas.....	50 00	60 00
Gardenias.....	per doz.,	3 00
Lilium Harrisii.....	8 00	12 00
Lily of the Valley.....	3 00	5 00
Mignonette.....	5 00	8 00
Snaptagons.....	10 00	25 00
Sweet Peas.....	40 00	1 00
Violets.....	50 00	1 00
Adiantum.....	75 00	1 00
Asparagus.....	per bunch,	50
Smilax.....	15 00	20 00

PITTSBURG, Jan. 11.		Per 100
Roses, Beauty, special.....	25 00	35 00
" extra.....	15 00	20 00
" No. 1.....	10 00	12 00
" Bride, Bridesmaid.....	3 00	12 00
" Chatenay.....	3 00	12 00
" Killarney.....	3 00	12 00
" My Maryland.....	3 00	12 00
" Richmond.....	3 00	12 00
Carnations.....	3 00	4 00
Cattleyas.....	60 00	
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	4 00	
Paper Whites.....	3 00	
Romans.....	2 00	
Sweet Peas.....	50 00	1 00
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch,	50	
strings.....per string,	50	
" sprays.....per bunch,	50	
Smilax.....	15 00	

U S Budlong's E Blue Ribbon Valley.

Edward Reid has been spending the past week in a swing around the circle of his southern trade. He says he found things in a prosperous condition.

Walter Stokes is sending in a fine grade of new crop of lily of the valley and quantities of tulips. Easter lilies are also a specialty.

The Leo Niessen Co. are handling a grand stock of carnations. Exceptionally choice stock was seen there the past week.

Berger Bros. now show something choice in Lady Campbell violets. They are exceptionally fine flowers. K.

Baltimore.

MORE TEMPERATE CONDITIONS.

There has been a week of improved, indeed, of almost normal weather, with clear skies, warm airs and an occasional rain which has caused all the snow to disappear. The more temperate conditions have given a fillip to trade, and there was a pretty fair inquiry for all kinds of stock. Indeed, in one or two instances, there was as the day closed, nothing left over. Carnations have been about the most meager in supply. Roses were more plentiful, and sometimes there was a surplus of lily of the valley and violets. The glut of narcissus is exhausted, and the distinctive Christmas things are in the realms of the past.

FANCY GRADE OF

Beauties

— AND —

Valley

THE McCALLUM CO., Inc.
PITTSBURG, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURG, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURG, PA.

The Florists' Exchange....

729 13th Street, N. W.
WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co., The Leading Wholesale Florists Of Michigan.

200,000 square feet of glass devoted to Cut Flow-
ers. Shipments everywhere. Prompt and
Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

NOTES.

The annual meeting of the Florists' Exchange was held on January 9. The institution has held its own, and the amount of business shows no substantial variation from the past year; but to make the total amount of sales probably required the handling of a greater volume of material than other seasons, the tendency of prices being downward. This is so palpable in almost all products in this line that it seems to argue there is an approach to overproduction.

The death of J. L. Turner of the firm of Griffith & Turner, last week, takes away one of the oldest of the well-known seedsmen of this city.

S. B.

SOMERVILLE, MASS.—Bastian C. M. Boot, who recently opened a flower store at 680 Broadway, was recently married to Miss Henny ter Avest, who came from Wegeningen, Holland, a year ago, which was also the former home of the groom.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED.—
 Special attention given to Shipping Orders.
 Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.
 Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
 Phone Main 584.
 Boston.

STOCK PLENTIFUL.

The flower business is passing through that stage which always follows in the wake of the large holiday trade, when some of the growers are bringing in the crop which they tried to get in about two weeks earlier but, on account of the weather conditions, they were unable to, and consequently the supply on some kinds of flowers is in excess of the demand, and in order to clean up the stock on hand each day they are obliged to drop the price. The universal opinion is that there are plenty of flowers coming in to supply the demand. While roses and carnations sell quite readily if they are of good quality, there is quite a lot of bulbous stock coming into the market at the present time, and some of the varieties move slowly, especially is this true of Paper White narcissus. Sweet peas and violets are coming in in larger quantities than they have been during the last month, and on every hand it is a little harder for the salesman to clean up the stock in trade satisfactorily to himself and to the grower who consigns to him. The retail dealers report a fair business and say that it is about up to the standard for this time of the year. Almost all varieties of flowers are to be seen in the stores and certainly the prospective purchasers have a chance to make a selection suitable to themselves. Quite a few flowering plants are still seen on the counters, and they find a good sale.

NOTES.

H. M. Robinson & Co. were very busy when your correspondent called on them, putting up large orders going to various parts of New England and New York state.

Mann Brothers are bringing into the market tulips, Trumpet Major and Golden Spur narcissus, which are finding a good sale.

Welch Bros. report a good daily business, which includes a demand for flowers of all kinds from their many customers.

E. J. Rogean is offering for sale a nice grade of single violets as well as stevia and carnations.

Thomas Pegler is handling a nice grade of carnations and sweet peas.

Moses Penn, a florist of Roxbury, was married Thursday, January 5.

H. C. W.

ROCHESTER, N. Y.—Thomas Cogger has filed a voluntary petition in bankruptcy. Liabilities are scheduled as amounting to \$2,046 and assets as \$100.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Jan. 11.		Per 100
Roses, Beauty, best	35 00@25 00	
" " medium	20 00@25 00	
" " culls	10 00@12 00	
" " Bride, Bridesmaid	10 00@12 00	
" " Extra	12 00@25 00	
" Killarney and Richmond	12 00@25 00	
" My Maryland	12 00@25 00	
" Carnot	8 00	
Carnations, select	2 00@3 00	
" fancy	3 00@4 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@35 00	
Gardenias	35 00@50 00	
Lilium Longiflorum	8 00@10 00	
Lily of the Valley	2 00@4 00	
Violets	50@75	
Smilax	12 00@16 00	

ST. LOUIS, Jan. 11.		
Roses, Beauty, long stems	30 00@40 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@4 00	
" " Bride, Bridesmaid	5 00@8 00	
" " Killarney	5 00@8 00	
" " My Maryland	5 00@8 00	
" " Richmond	5 00@8 00	
Carnations	3 00@4 00	
Easter Lilies	10 00@12 50	
Adiantum	1 25	
Asparagus Sprengerii	2 00@3 00	

CINCINNATI, Jan. 11.		
Roses, Beauty	1 00@6 00	
" " Bride, Bridesmaid	2 00@8 00	
" " Golden Gate	2 00@8 00	
" " Killarney	2 00@6 00	
" " Richmond	2 00@8 00	
" " Pres. Taft	3 00@8 00	
Carnations	3 00@6 00	
Callas	10 00	
Hyacinths, Roman	2 00@3 00	
Lilium Longiflorum	12 50@15 00	
Narcissus Paper White	4 09	
Lily of the Valley	3 00@4 00	
Violets	75@1 00	
Adiantum	1 00@1 50	
Asparagus Sprengerii, per bch.	25	

MILWAUKEE, Jan. 11.		
Roses, Beauty	1 50@6 00	
" " Bride	4 00@10 00	
" " Killarney	4 00@12 00	
" " Richmond	4 00@12 00	
" " Perle	4 00@10 00	
Carnations	2 00@5 00	
Lilium Giganteum	2 00	
Lily of the Valley	4 00	
Paper Whites and Romans	3 00	
Stevia	1 50	
Violets	75@1 00	
Adiantum	1 50	
Asparagus	50	
" Plumosus, per bunch	35	
" Sprengerii	35	
Boxwood	25	
Ferns, Fancy	per 1000, 2 00	
Galax	per 1000, 1 50	
Smilax	per doz., 1 75	
Wild Smilax	per case, 5 00	

Monmouth County Horticultural Society.

At the meeting of the Monmouth County Horticultural Society the dinner committee reported that the dinner would be at the Globe Hotel, Red Bank, N. J., January 18. The Sheridan, where it was formerly held, could not furnish sufficient accommodation this year as there are about 135 applications so far at hand. Applications should be sent at once to the secretary, H. A. Kettel, Fair Haven, N. J. Three new members were elected and two nominated. The society is in very good financial condition, according to the financial secretary's

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U S Budlong's E Blue Ribbon Valley.

report. As has been the custom in former years, there will be several lectures given during the winter. N. B.

RUMFORD FALLS, ME.—Davis the Florist will occupy Stephen's new store on Congress street.

New York.

GENERAL BUSINESS APATHY.

Since the beginning of the year there has been a general apathy felt in the cut flower trade. It is usual, of course, this quieting down of everything just after a holiday but, with so much stock coming in, as is the case at present, the dullness seems more pronounced and prices are very variable indeed. Roses of all kinds are very plentiful; white ones are the hardest to move and in the pink section, Killarney seems to be more preferable than is My Maryland, though both varieties are coming in in excellent condition. American Beauties have taken a decided tumble in price, particularly in the special and fancy grades. Carnations increase in supply daily and the red varieties, while they were the best sellers around the holidays, are now in just the opposite condition, harder to dispose of satisfactorily than ever the white ones were, prices on all the colors have weakened perceptibly. Cattleyas are getting quite plentiful, the supply available seemingly is much larger than was anticipated some time ago; a drop in value has, of course, been a natural consequence. Lilies seem to be holding up fairly well, not being quite so numerous as they were one week ago. Lily of the valley has dropped materially in value owing more to the lack of demand rather than to any increase in the supply. Tulips are getting much more numerous and are showing better stems. The demand is slow, however. Narcissus Paper White are still coming in in large quantities. Golden Spur, Trumpet and the yellow polyantha type are also available in limited quantities. Freezias are beginning to come in quantity but are not moving very fast as yet. Violets are very plentiful and going cheap, the street men, during the recent mild weather, have been reaping a rich harvest with them.

New York Florists' Club.

The New York Florists' Club met Monday evening, January 9, with a very large attendance. In opening the meeting, the retiring president, A. L. Miller, said:

"Fellow Members: Retiring as your president I hardly know how to express my feeling towards you for the generous support given me during my term as your honored president. I sincerely appreciate the good work the various committees have rendered. Especially the chairman, who left nothing undone to make the year's administration a successful one. To our secretary, to whom a great part of the credit is due, I assure you, Mr. Young, I extend my heartiest thanks for your kind support and wish you success and happiness. I also wish to extend my thanks to the trade papers for the generous support they have given the club the past year and hope they will continue the good work in the future. It was indeed gratifying to me to see such a large attendance at the meetings, also that the exhibition tables were well filled with beautiful and rare exhibits during the year. Gentlemen, I assure you that this was the proudest year of my life. I love my profession, I love the New York Florists' Club and I loved my work as your president and did all in my power to be just and fair to all. I hope my administration has met with your approval. I again extend my heartiest thanks to all and stand ready to give the new officers my support in any capacity that they or the club may call upon me to give."

Mr. Miller then introduced the newly-elected president, John B. Nugent, Jr., saying:

"Mr. John B. Nugent: One year ago tonight I stood in your position and will say I was the proudest flor-

ist in the United States. Tonight, I am just as proud to have the honor and pleasure of turning over my duties as president to you, knowing that you will bestow honor and credit upon the club and upon yourself by administering the affairs of the club justly and fairly. You have been honored with the highest office in the gift of the club, which is a great responsibility, and with you now lies the welfare of the club. I know that each member in return is ready to give you his hearty support when called upon. The members have selected you as their standard bearer for the ensuing year, and it is needless for me to stand here and give a long introduction. If you will perform your work as president as well as you did that of chairman of the house committee I know the members will find no fault, but will appreciate your good work. You have my sincere wishes for a prosperous and successful administration. Gentlemen, I now take pleasure in introducing to you your president for the coming year."

President Nugent, in his response, thanked the members for the great honor shown him and assured them that while they had selected no great speaker, he would do the utmost in his power to make the year a prosperous one for the club. Vice-president Harry A. Bunyard, Secretary John Young, Treasurer W. C. Rickards, together with the newly-elected trustees, were each introduced in turn and made brief addresses.

P. O'Mara, for the legislative committee, reported that the bill affecting the proposed appropriation of \$50,000 by the state for erecting greenhouses was in preparation, he had received it from W. F. Kasting of Buffalo, and after reading the same, had forwarded it to Cornell University after making slight changes in it. Mr. O'Mara also said that a letter will be sent to the secretaries of horticultural, gardeners' and florists' associations, asking them to appoint delegates to appear at Albany with other delegates before the proper committee of the legislature, when the bill is presented, and that as individual members, they will use every endeavor in furthering the project of getting the appropriation. That letter will be followed by another to every prominent person in the trade, so as to bring every possible ounce of weight to bear upon the matter.

Secretary Young announced that the committee of awards had visited the establishment of Robt. Scott & Son, Philadelphia, to pass on the two new roses, Double Killarney and Melody. The former rose scored 86 points, the latter, 85 points, and both were awarded the club's certificate. Letters of resignation of membership of the club were read from L. J. Kreshover and A. E. MacDonald, both were accepted with regrets.

Treasurer W. C. Rickards read his annual report which showed a balance on the right side of \$3,920.73. Vice president H. A. Bunyard presented a report for the trustees in which were several suggestions that created lengthy discussion. After much spirited argument, participated in by Messrs. Scott, Weathered, Weston, Berry, O'Mara, Sheridan, Birnie, W. A. Manda, Marshall and others, it was decided that but one ladies' night of the club be held during 1911. Mr. O'Mara presented a resolution favoring the proposed bill of appropriation to be forwarded to Albany at the proper time, the same being adopted. C. B. Weathered presented resolutions of sympathy on the death of Frank Manda, a copy of which was ordered sent to the bereaved family.

Secretary Young drew attention to the fact that two of our members, F. W. Bruggerhof and E. C. Horan, had lost their wives by death since

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the last meeting of the club. President Nugent appointed committees to draw up testimonials of sympathy, for Mrs. Bruggerhoff, J. A. Pepper, J. A. Shaw and C. B. Weathered; for Mrs. Horan, W. F. Sheridan, John Young and S. S. Butterfield.

President Nugent, announcing his committees for the year, gave out the following: Legislature, P. O'Mara, John Birnie, F. R. Pierson; Essay, J. A. Shaw, W. H. Siebrecht, Jr., J. H. Pepper; Awards, A. L. Miller, R. Simpson, W. F. Sheridan, Chas. H. Totty, F. H. Traendly, W. Duckham, H. Weston; Exhibition, W. E. Marshall, H. Turner, J. S. Hendrickson, J. Rossbach, A. R. Kennedy; House and Entertainment, R. Berry, A. Rickards, J. Fenrich; Outing, T. Fenrich, P. Einsmann, R. Young, S. S. Butterfield, J. Donaldson, C. Webber, B. Chadwick, M. Gottlieb, A. H. Langjahr, C. W. Scott; Dinner, C. B. Weathered, A. L. Miller, Chas. Schenck, R. Koehne, J. A. Shaw.

On the exhibition tables were several vases of sweet peas from G. T. Schuneman, Baldwins, L. I., for which a cultural certificate was awarded. W. C. Roberts, Ossining, N. Y., had a vase each of two seedling carnations; a scarlet, numbered 66, a cross between Beacon and Victory, large, long-stemmed and bright in color; seems like a winner, scored 88½ points. The other was crimson, fair size and good stem. The thanks of the club were awarded. President Nugent, at the close of the business session, entertained the members royally with turkey, beef and other refreshments, following which vocal and instrumental music provided rare amusement until a very late hour. A rising vote of thanks to the president for this treat concluded this, the first meeting of the year.

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" extra and fancy.....	10 00@20 00
" No. 1 and No. 2.....	4 00@5 00
" Bride, Bridesmaid, special.....	5 00@8 00
" extra and fancy.....	4 00@5 00
" No. 1 and No. 2.....	2 00@4 00
" Killarney, My Maryland, spl.....	6 00@8 00
" extra and fancy.....	5 00@6 00
" No. 1 and No. 2.....	2 00@4 00
Carnations.....	2 00@5 00
Cattleyas.....each.....	25@ 50
Gardenias.....per doz.....	3 00@6 00
Lilium Longiflorum.....	5 00@10 00
Lily of the Valley.....	1 00@3 00
Narcissus P. White.....	1 50@2 00
" Yellow.....	2 00@4 00
Roman Hyacinths.....	1 50@2 00
Sweet Peas.....per doz.bchs.....	75@1 50
Violets.....	35@ 60

BUFFALO, Jan. 11.

Roses, Beauty, special.....	40 00@50 00
" fancy.....	30 00@35 00
" extra.....	20 00@25 00
" No. 1.....	12 00@15 00
" No. 2.....	5 00@7 00
" Bride, Maid, Killarney.....	5 00@15 00
" Kaiserin.....	4 00@8 00
" Killarney, White and Pink.....	5 00@15 00
Carnations.....	2 00@5 00
Callas.....	12 00@15 00
Lilium Longiflorum.....	12 00@15 00
Lilium Speciosum.....	4 00@6 00
Lily of the Valley.....	4 00@5 00
Mignonette.....	3 00@4 00
Narcissus Paper Whites.....	2 00@3 00
Stevia.....	1 00@1 25
Sweet Peas.....	75@1 00
Violets.....	60@1 00
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengerii.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....per 1000.....	\$2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

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21x5x8 1/2.....1 85	28x8x5.....3 75
24x5x8 1/2.....2 35	30x8x5.....4 50
28x5x8 1/2.....2 90	36x8x5.....5 50
30x5x8 1/2.....3 00	30x12x6.....6 25
21x8x5.....2 85	36x14x6.....7 50

Double Violet Bozes.

9 4x4.....\$1 75	10x7x6.....\$2 50
9 1/2x6x5.....2 25	12x8x7.....3 00

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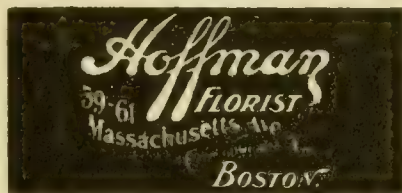
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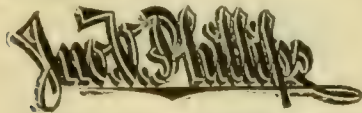
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Cleveland Cut Flower Co., The, Cleveland, O.
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Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Fisher, H. A., Kalamazoo and Battle Creek.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J., Philadelphia.
Heintz & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, florist, Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kansas City, Mo.

Kliff, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New York; Cor. 14th and G Sts., Washington, D. C.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Willson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Wittbold Co., Geo. 737 Buckingham Pl., Chicago.
Wolfskill Bros., 216 W. 4th St., Los Angeles, Calif.

Young's, 1406 Olive St., St. Louis, Mo.
Young & Nugent, New York.

Boston, Mass.



"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

43 BROMFIELD STREET.

Mention the American Florist when writing

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones:

1552-1553 Columbus. Choice Cut Flowers

Mention the American Florist when writing

Louisville, Ky.

Established 1880

Orders for delivery in this city and every city in United States and Europe solicited by

M. D. REIMERS

Successor to Chas. W. Reimers,

.....223 S. Fourth Avenue

Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.

Long Distance Phone.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

Mention the American Florist when writing

Kalamazoo and Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Mention the American Florist when writing

Anderson, S. C.

THE ANDERSON FLORAL CO.

553 MARSHALL AVE.

Mention the American Florist when writing

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



**WASHINGTON
D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1388, Cumb. Main 1388 A.
.....634 Fourth Avenue.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Mention the American Florist when writing

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyles, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Ell Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kalamazoo and Battle Creek, Mich.—H. A. Fisher.
Kansas City—Geo. M. Kellogg F. & P. Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schultz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Nashville, Tenn.—Geny Bros.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
New York—Young and Nugent.
Omaha, Neb.—Hess & Svoboda, Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—J. G. Heini & Son.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Mention the American Florist when writing

Chicago.

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest
Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty,

216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

JOHN L. TURNER of Griffith & Turner, Baltimore, Md., passed away the first of the year.

VISITED CHICAGO.—J. C. Robinson, Waterloo, Neb., and Chas. M. Page, Des Moines, Ia.

MAULE'S (Philadelphia) general catalogue for the season of 1911 is being printed near Chicago by the Conkey Co.

THE Bateman Mfg. Co., Grenloch, N. J., makers of the Iron Age implements, will celebrate their 75th anniversary January 12.

AUSTIN, TEXAS.—The Cross S. Farming Co., Crystal City, capital \$1,000,000, has been chartered to purchase and sell seeds, plants, trees, etc.

CHICAGO.—Prices on the board of trade January 11 for grass seed were noted as follows: Timothy, \$9 to \$10 per 100 pounds. White clover, from \$22 to \$30.

THE Kimberlin Seed Co., Santa Clara, Calif., writes December 29, as follows: "We have had no rain for two weeks now and everything is very dry, nothing growing. We planted lettuce seed two weeks ago and it has not started yet. The California Cannery Co. planted 400 acres of peas two weeks ago and they are all rotting in the ground now, not enough moisture to sprout them. We have had 1.35 inches of rain to date against 5.45 this time last year. If we don't get rain in the next two weeks the crops will be cut off one-half in California this year."

THE hearing on the proposed new seed bill has been postponed and is now scheduled for February 2 at Washington, D. C. The American Seed Trade Association's committee on seed legislation, consisting of Watson S. Woodruff, Orange, Conn., chairman; Chas. N. Page, Geo. S. Green, Henry W. Wood, Kirby B. White, J. J. Buffington and A. L. Rogers will probably attend the hearing, also President Albert McCullough and committee, A. E. Reynolds, Chas. D. Boyle and J. G. Peppard, of the Wholesale Grass Seed Dealers' Association. Mr. Green is on both committees.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

American Purchases of Japanese Lily Bulbs

Consul-General Thomas Sammons of Yokohama quotes the following statistics showing the exportation of lily bulbs from Japan to the United States from 1905 to 1909 inclusive:

Year	Number	Value
1905.....	4,854,215	\$ 84,056
1906.....	6,206,456	117,453
1907.....	6,646,674	141,803
1908.....	5,165,899	92,169
1909.....	6,637,924	132,723

The following sizes of bulbs are largely exported from Japan to the United States: Six to eight inches in diameter, seven to nine inches and eight to 10 inches.

How to Fight the Proposed Seed Bill.

That this bill, H. R. 29163, will be fought both in the House and the Senate by all reputable seedsmen goes without saying. One fundamental reason alone justifies every seedsmen in making the strongest fight possible everywhere to defeat it. That is the attempt of the law to brand the seed business as a dishonest one, one which by reason of the law itself is therein accused of being so disreputable and dishonest that it must be put under government inspection and prison penalties. Every seedsmen knows that no such foundation for the law exists. The assumption that more dishonesty exists in the seed business than in the average other business or profession is absolutely wrong. As a matter of fact the seed business is and must be, because of the nature of it, more honest than most other kinds of business. Any intentional variation from strict honesty in dealing in seeds is discovered by the purchaser in a few weeks or a few months and would necessarily ruin the reputation of the seller. The author and sponsor of the present bill has evidently paid no attention to the percentage of wrongdoing in this business or any other. Insignificant and unimportant errors or misdoings in connection with this trade have been magnified entirely out of proportion to the volume of business done. Before this bill is allowed to become a law or to pass either house, the trade has every right to insist that an unusual percentage of wrongdoing be proven against this trade, and that proof does not exist. It must be possible to get an equitable hearing in the senate on this proposition. It cannot be that the upper house will take away the business rights of the citizen as is proposed in this case with-

out the strongest definite evidence that the business is a disreputable one, and there is no such evidence obtainable.

First, the fight is to be made in the house. The names and city and state addresses of the members of the Interstate and Foreign Commerce Commission, who will be responsible for recommending this law to the House of Representatives, are as follows: -

James R. Mann, Chicago, Ill.
Irving P. Wanger, Norristown, Pa.
Frederick C. Stevens, St. Paul, Minn.
John J. Esch, LaCrosse, Wis.
Chas. E. Townsend, Jackson, Mich.
James Kennedy, Youngstown, Ohio.
Joseph R. Knowlan, Alameda, Calif.
Wm. P. Hubbard, Wheeling, W. Va.
J. M. Miller, Council Grove, Kansas.
Wm. H. Stafford, Milwaukee, Wis.
Wm. M. Calder, Brooklyn, N. Y.
C. G. Washburn, Worcester, Mass.
Wm. C. Adamson, Carrollton, Ga.
Wm. Richardson, Huntsville, Ala.
Chas. L. Bartlett, Macon, Ga.
Gordon Russell, Tyler, Texas.
Thetus W. Sims, Linden, Tenn.
Andrew J. Peters, Boston, Mass.

Every seedsmen should not only write to his representative in his state, but to business men of the highest standing in his community who have influence with such representative and explain to them the injustice of this proposed prison penalty act, and ask their aid in the fight.

Second, a similar letter or a stronger one should be written to each Senator of your state showing the injustice of the act. With such letter should be sent letters from your best citizens, bankers and men of prominence in your community, regarding your standing and the reputable and honest conduct of your own business, and protesting on their own behalf for you against legislating your business into the prison penalty class.

You should get these documents and this report ready to place before your representatives and your senators at once.

National Sweet Pea Society.

A meeting of the executive board of the National Sweet Pea Society of America was held at the Astor House, New York, on Thursday afternoon, January 6, President W. Atlee Burpee presiding. Secretary H. A. Bunyard announced that the National Flower Show committee had offered the society \$150 with which to arrange premiums for a sweet pea section at the Boston show next March, provided the society would duplicate the amount for the

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.



THE J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns
Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**
Mention the American Florist when writing

same purpose, making \$300 in all. The offer meeting the approval of the board, the required \$150 was made up then and there. Wm. Sim of Cliftondale, Mass., produced a proposed schedule of premiums and after some discussion the same was accepted. The date for the Sweet Pea Day at the show was left to Secretary Bunyard and Mr. Sim to arrange. It will probably be March 29, and the society will meet in the evening. It was arranged that Prof. A. B. Beal be invited to present a paper at the meeting on "Trials of Sweet Peas Under Glass." G. W. Kerr of Fordhook, Doylestown, Pa.; Wm. Duckham of Madison, N. J., and James Wheeler of Natick, Mass., were selected to act as judges and Wm. Sim was elected to act as manager of the sweet pea exhibition. Many details as to entries were discussed and settled. It was decided that the scale of points for judging be as follows:

Stem	25
Color	20
Size	25
Number of flowers on stem.....	15
Substance	15

Suitable recognition, in the form of certificates to novelties and other exhibits not classed in the premium schedule, will be given.

In regard to seed trials during the coming season, the secretary was instructed to write seedsmen to furnish such seed of novelties and varieties for trial as it might be desired to try, and that the executive board suggested that the trial ground should contain not more than 100 of the latest varieties, and not more than 25 seeds of any one variety. A letter from Prof. John Craig was read, in which that gentleman regretted his inability to attend the board meeting, and asked for instructions in different matters relating to trials during the coming season. It was decided to hold a summer show this year, and that invitations be solicited from cities wishing to have the exhibition.

Imports.

During the week ending December 17, imports were received at New York as follows:

McHutchison & Co., 25 cases bulbs, 18 cases plants, six cases trees and shrubs and five cases trees.

Vaughan's Seed Store, 14 cases trees. Reed & Keller, 10 cases dried plants. Chase Bros. Co., nine cases trees. Julius Roehrs Co., four cases trees, three cases plants.

Wm. Elliott & Sons, four cases plants.

To others: 1,071 bags, 278 packages, 27 cases, 21 barrels and four sacks of

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.
Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Sons,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

—FOR—
SEEDS
OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.

Correspondence Solicited.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Yellow Bird Millet, \$1.75
Fancy Hemp Seed, 2.75	Bird Vetches, 2.25
Sicily Canary Seed, 2.62	German Bird Rape, 3.50
Canada Field Peas, \$1.50 per bushel.	Red Bird Millet, 2.25

Terms: 1 per cent 10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in. **J. BOLGIANO & SON**, Importers and Wholesalers, Baltimore, Md. Established for 92 years.
Mention the American Florist when writing

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Danish Seeds

If you take interest in Cabbage, Cauliflower, Carrot, Mangel, Swede and Turnip, please apply to

CHR. OLSEN, Wholesale Seed Grower, Odense, Denmark

(Established 1862) in order to have your name placed on my mailing list.

Mention the American Florist when writing

seed, 44 cases lily of the valley pips, 31 cases trees and shrubs, 29 cases, one bale and one tub trees, 13 cases, five packages and one tub plants, 13 cases bulbs.



Tuberous Begonias

	Per 100	Per 1000
Single { Scarlet	\$2 50	\$22 00
White	2 50	22 00
Pink	2 50	22 00
Yellow	2 50	22 00
Doubles, colors as above.....	4 50	40 00

GLOXINIAS

	Per 100	Per 1000
Fine sound bulbs.....	\$3 50	\$30 00

LILY OF THE VALLEY

	Per 1000
Premium, dormant	\$12 00
International, dormant.....	10 00
London Market (storage stock).....	14 00

Lilium Longiflorum (Multis)

	Case Contains	Per 100
6 to 8 inches.....	400	\$3 75
7 to 9 inches.....	300	5 00
9 to 10 inches.....	200	7 00

Lilium Giganteum

	Case Contains	Per 100
6 to 8 inches.....	400	\$4 00
7 to 9 inches.....	300	6 75
9 to 10 inches.....	200	9 75

Lilium Auratum

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 5 50
9 to 11 inches.....	125	8 50
11 to 12 inches.....	75	14 00

Lilium Speciosum Rubrum

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 4 75
9 to 11 inches.....	125	8 00
11 to 12 inches.....	100	13 00

Lilium Speciosum Album

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 7 50
9 to 11 inches.....	125	10 00

TUBEROSES

	Per 1000
Dwarf Pearl, 1st size	\$8 00

GLADIOLUS

	Per 100	Per 1000
Princeps	\$11 00	
Mrs. Francis King, 1st.....	2 65	\$23 00
2nd.....	2 25	18 00
Colvilli alba.....	65	5 00

Vaughan's Seed Store,
CHICAGO.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

Sioux City Seed & Nursery Co.

Sioux City, Iowa.

Contracting growers of Peas, Beans and famous Sweet Corn. Introducers of the White Mexican Sweet Corn.

Mention the American Florist when writing

DERRY, N. H.—The Benj. Chase label and stake factory burned on the morning of December 11 with great financial loss. Rebuilding and new manufacturing arrangements will be started at the earliest possible moment.

Breitmeyer Honored in Retiring.

At midnight, Philip Breitmeyer ceased to be mayor of Detroit. Three hundred of his friends seized upon this occasion to attest their regard for him. The gathering took the form of a dinner at the Cadillac, attended by men prominent in the city's business and political life. Personal tributes, spontaneous and sincere, voiced the affection and esteem in which the retiring official is held by his close associates.

Probably not since the complimentary dinner given a few years ago to the late William C. Maybury have so many of Detroit's best known citizens gathered to show their respect for one of their number. The huge dining room in the hotel was filled to its capacity by guests, who at frequent intervals shouted and sang the praises of Phil Breitmeyer, public servant for five and one-half years, who was returning to private life.

An orchestra which led those present in the parodies on the mayor and incidents in his city hall career, took up a place in the gallery at the extreme end of the dining room. At the other end Philip Breitmeyer, flanked on one hand by Gov. Chase S. Osborn, and on the other by John W. Anderson, the toastmaster, beamed as he welcomed the end of his rather eventful, if somewhat stormy administration in the mayor's office.

John W. Anderson, as toastmaster, succeeded in keeping his hearers in buoyant spirits throughout. He toasted and teased the guest of the evening and the other speakers responded until the hands of the clock reached and then passed 12 o'clock, when Philip Breitmeyer became a private citizen, succeeded in office by William B. Thompson, one of the guests of the evening.

The dinner, Mr. Anderson explained, later in the evening, was a "non-partisan republican banquet." It was the first time in his life, he said, that he ever had the privilege of paying \$5 to hear himself speak. After a brief introduction he presented Thomas May, who amused the guests with a number of crayon drawings.

City Controller Heineman paid a splendid tribute to the retiring mayor in response to his toast, "Phil Breitmeyer, the friend."

"The best answer to my toast is the crowd about him," he said. Mr. Heineman referred to the ex-mayor's optimism and said he thought there was but one time during his administration when Mr. Breitmeyer felt despondent. This was when the committee of 50 failed to settle the street car question.

Homer Warren laid particular emphasis on the integrity of Philip Breitmeyer. "No matter whether you agree with him or not there is no one who can say that his administration was marked by anything but straight-forwardness," he said.

Allan H. Frazer, who was to respond to the toast, "Phil Breitmeyer as a Politician," was in an especially humorous vein. He took a number of shots at Proctor K. Owens, at "the committee of 50," and at the guest of honor. "They say a politician is a spoilsman. You can't say that of Phil," he remarked. "For he goes out of office poorer than he came in. He is the rarest kind of politician that I have ever had to deal with."

Mr. Frazer referred to the outgoing mayor's selection of a police commissioner. "They picked Breitmeyer, a little German boy, so that he would appoint a liberal police commissioner, and what did he do?" He appointed Frank Croul. If Phil Breitmeyer had been a politician he might have appointed someone else."

Gov. Osborn was the last speaker on the program. He received a splendid ovation from the guests, who arose,



Dreer's Double Petunias.

OUR DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer 15 distinct varieties, in strong, 3-inch pots, which will quickly furnish an abundance of cuttings. Strong, 3-inch pots, 75c per doz.; \$6.00 per 100; the set of 15 for \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS**. Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1/2 oz.

Our Quarterly Wholesale Price List, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

The above prices are for the Trade only.

HENRY A. DREER, Philadelphia, Pa.

shouted and waved their napkins in his direction.

"I came here for the same purpose that all of you did," began the governor. "To pay tribute to Phil Breitmeyer. What matters it whether a man is mayor or citizen when he has friends like these? I sometimes think that you good people hardly realize what Detroit means to the people out in the state. I want to tell you that on the night of the primaries we were more perturbed out in the state than were you. When Detroit is well governed we are all proud."

"Many pleasant things have been said tonight about Phil Breitmeyer. They were not half the echoes of your hearts. But if you can tonight by your presence give encouragement to men like Phil Breitmeyer then the benefit to be derived from this banquet will be more than social. We need more men like Phil Breitmeyer. We need them all over the state."

"I stand for everything that is best in Teutonic friendship. May I not suggest that the man who loves flowers loves children? I think you will agree with me that Phil Breitmeyer is the biggest chrysanthemum in Detroit."

—Detroit Evening News, January 10.

Lenox Horticultural Society.

The monthly meeting of this society was held in the Town Hall January 7. A letter was read from Elmer D. Smith, Adrian, Mich., offering a special prize for a vase of their chrysanthemum Lenox, to be competed for at the fall show. The society accepted the offering, and passed a hearty vote of thanks to Mr. Smith for his kind offer. It was decided that we hold the annual ball towards the end of the month, also the annual dinner sometime in February. Philip Gustavson was unanimously elected a member of the society.

Onion Sets

Carlots or Less.

We can save you some money on Onion Sets, write or wire us for prices and samples stating quantity and colors you want.

ALBERT CROLL & CO.

Shippers of Fruits Vegetables and Produce.
193 South Water Street, CHICAGO.

—CHOICE GERMAN—

FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY.

The chief item of interest was a short but practical paper on orchids by Robert Grindrod, who has charge of the orchids under Thomas Proctor. The essayist dealt with cattleyas, laelias, phalaenopsis, dendrobiums and miltonias. The treatment of newly-imported plants, compost required, how to pot them, watering, shading, etc.; right away on until they were established plants, full of vigor in growth, and all beautiful when in flower. He laid great stress upon the need of firm potting, and had brought with him a cattleya which demonstrated fully what he meant by firm potting. A good discussion followed; Mr. Grindrod ably answered the questions put to him. He is a very able young man and will be heard of in the future. A hearty vote of thanks was accorded him for his able essay.

J. W. PYBUS.



Vaughan's Flower Seeds

Vaughan's International Pansies
The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ¼ oz., \$5.00; oz., \$10.00.

Vaughan's "Giant Pansy Mixture"

Embraces, besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00.

Vaughan's Cut Flower Pansy Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00. oz., \$8.00.

Pansy Boulogne Giant

This is a special selection of a French Pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied. Trade pkt., 50c; ½ oz., \$2.00.

New Preliminary Flower Seed List Ready. Please write for same if you have not received one.

10 Per Cent Special Cash Discount.

On orders over \$2.00 for Flower Seeds if the cash is enclosed 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK. 84 and 86 Randolph St. CHICAGO.
803-805 W. Randolph St.

Cleveland.

STOCK PLENTIFUL.

Cut flower sales for the week average about the same as the week before. Stock is about equal to the demand, excepting American Beauty and Richmond roses. The dark weather in November and December caused many of the plants to run blind. Pink and White Killarney are plentiful and stock exceptionally fine. Sweet Peas are being received in greater quantities. Lily of the valley of excellent quality is quite plentiful and finds a good market. Carnations are in good supply but clean up daily. Smilax is abundant and asparagus and adiantum are having a good sale. Boxwood sells well and the quality is fine. Stevia is about done, tulips and Paper White narcissus are plentiful and violets are having only a fair demand.

NOTES.

Smith & Fettes Co. had a very beautiful window display for the holidays. The store was crowded from floor to ceiling with flowering plants and cut flowers of the usual good quality. Frank Smith was on hand to conduct things in his usual business and gentlemanly way.

The Jones-Russell Co. report a very satisfactory Christmas business. Regular and extra clerks all working their best to keep up with the rush. Mr. Barber says there is a very noticeable increase in the year's business.

The bowling match between Alliance and Cleveland bowlers was postponed on account of the death of Geo. Bowditch's brother. Notice of new date will soon be published.

The Florists' Club will hold a flower show at the club's rooms at the first meeting in February.

The father of A. M. Coe, of North Olmstead, died this week at a ripe old age. C. F. B.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼ oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

An UP-TO-DATE SEED CATALOG

Aggeler & Musser's 144 page 1911 Seed Catalog Has Just Been Received.

The Lithograph cover is a work of art. And the 144 pages are full of information valuable to the **RANCHER** or **GARDENER**, particularly to the beginner. If you have not received their Catalog, be sure and send for it at once.

AGGELER & MUSSER SEED CO.
113-15 No. Main St., Los Angeles, Cal.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,
RICKARDS BROS., Props.,

37 East 19 St., New York
bet. Broadway and 4th Ave.
Telephone 4235 Gramercy.

Seeds Fresh Seeds

	Trade pkt.	Oz.
Salvia, Clara Bedman, "Bonfire"....	\$0.25	\$2.25
Salvia, Splendens.....	.15	1.00
Verbena, S. & I. Choice Mammoth Mixed.....	.25	1.50
Verbena, S. & I. Choice Mammoth, separate colors.....	.25	1.25
Lobelia, Crystal Palace Compacta....	.25	
Lobelia, Speciosa (Trailing).....	.15	
Begonia Luminosa, fiery dark scarlet	.40	
Begonia Vernon.....	1-16 oz., 50c	.25
Petunia, Giants of California.....	1-16 oz., \$2.00	.50

Asters (Vick & Hill grown). See catalogue.



Skidelsky & Irwin Co.
1215 Betz Bldg., Philadelphia, Pa.

Send for our new catalogue.

Onion Seed -- Onion Sets

We are Extensive Growers and Dealers
Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

Schilder Bros., Chillicothe, O.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-Pres-
ident; S. W. Severance, 508 Illinois Life
Building, Louisville, Ky., Secretary; M. L.
Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Prices of Indoor Fruits and Vegetables.

New York, January 7, 1911.—Mush-
rooms, 50 cents per pound; cucumbers,
15 cents each; lettuce, \$1.20 per dozen
heads; tomatoes, 40 cents per pound;
radishes, 60 cents per dozen bunches;
asparagus, \$7 per dozen bunches;
grapes, \$1.00 per pound.

Pittsburg.

PLENTY OF STOCK.

Very little can be said of the market.
Carnations and pink roses are not quite
so plentiful. There is just about
enough coming in to take care of the
orders. Stock of all other kinds is
very plentiful. Beauties and white
roses move very slowly.

NOTES.

The Gardeners' and Florists' Club
held a very successful meeting Tuesday
evening, January 3, and the following
were placed in nomination for the sev-
eral offices. For President, John Jones
and W. B. Allen; vice-president, P. S.
Randolph; treasurer, H. L. Blind; sec-
retary, H. P. Joslin; assistant secre-
tary, O. S. Crall; executive committee,
E. C. Reineman, John Bader, Niel Mc-
Callum.

Karl Klinke has formed a partner-
ship with George Werheim, who has
run a flower store at 4709 Liberty av-
enue for a number of years, and will
open a new store in the Jenkins Ar-
cade. While Mr. Werheim intends to
take care of the practical end of the
business, both are hustlers and have
ability, and we see no reason why
they should not get along.

H. L. Blind & Bro. had the decora-
tions for the 125th anniversary of
Lodge No. 45, F. & A. M., both at their
temple and the Rittenhouse, where the
banquet took place. Both were much
commented on as every plant showed
the decorator's art. Besides the plants
and wild smilax, American Beauties,
pink roses, lilies and Paper Whites
were used.

a business caller in town today.

A. W. Smith & Co. are getting some
very fine chrysanthemums from their
Canfield greenhouses. The Smith "Dol-
lar Box" got quite a call today. Same
contained 18 Pink Killarneys of qual-
ity. There could be no kick on this.

Zieger Company, Rittenhouse St.,
report a healthy increase in their busi-
ness right along, and are very much
pleased with their new store.

McRae & Jenkinson Co., New Ken-
sington, are closing out their East End
store on account of the building going
to be torn down.

One still sees the express companies
juggling Christmas plants that arrived
late and were turned down by local
florists.

Jacob Gerwig has severed his con-
nection with J. B. Murdock & Co. Last
week Jake became papa for the first
time.

Marshall Anderson has disposed of
his Bouquet street store in Oakland to
his cousin, J. Dunlap Anderson.

C. W. Gerdum, of Cleveland, O., was
H. H. Wiggins has closed his East
Franktown avenue store.

The McCallum Co. are receiving a
fine line of cattleyas, also special lily
of the valler.

H. Weber & Son, Oakland, Md., are
going to open a new store in Clarks-
burg, W. Va.

Jos. Thomas, Greensburg, reports his
Christmas trade as very satisfactory.

— Farney, of Rice & Co., Philadel-
phia, Pa., was a visitor. J.

St. Louis.

PROMISING OUTLOOK.

At the beginning of the week, prices
on carnations were low but by Satur-
day and Sunday they advanced. Vio-
lets have increased in supply and
sweet peas, except fancy stock, move
slowly. American Beauty roses have
been in demand but the stock received
is poor. Bulbous stock is increasing,
narcissus selling fairly well. The out-
look, with fair weather, is, however,
promising.

NOTES.

A meeting of the Retail Florists'
Association took place last Friday
evening at the Knights of Columbus
hall. The election of officers took
place, resulting as follows: C. C. San-
ders, president; Theo. Miller, vice-
president; F. C. Weber, Jr., secretary,
and Robert F. Windler, treasurer. A
banquet will be given January 14 to
which the wholesalers have been
especially invited.

C. Young & Sons Co. used large
quantities of wild smilax, laurel and
cut flowers at the Imperial ball. Geo.
W. Lapp, formerly with J. F. Am-
mann, of Edwardsville, Ill., is now in
the employ of this concern.

P. Krouwel, representing C. J. Speel-
man & Sons, Sassenheim, Holland, and
Lagarde & Spellman, Ollioules, France,
visited the trade this week.

Al Gromz, at Geo. Angermueller's,
was ill and unable to attend to busi-
ness for a few days last week.

The twenty-first annual report of
Shaw's Botanical Garden has been is-
sued.

The Kalisch Floral Co. disposed of
many cut orchids during the holidays.
The May Burns Floral Co. report a
good trade.

C. A. Kuehn is handling some very
choice Mexican ivy. W. F.

Cincinnati.

STOCK MORE PLENTIFUL.

Stock in general has been coming in
more plentifully and as a result prices
have fallen to their normal winter lev-
el. The demand seemed to have shift-
ed somewhat from the choicest of
stock to that suitable to be used in
work at a handsome profit to the de-
signer. The prices naturally are gen-
erally far below holiday prices. The
quality of the roses in the market is
unsurpassed. This is particularly so
of the Killarneys, Richmond and Amer-
ican Beauties but Brides, Bridesmaids
and Ivory are so good that they can
scarcely be called second choices. While
some growers seem to be some-
what off crops others are cutting
stronger and as a result there is a
promise of a full supply of roses of all
kinds with a possible exception of
Beauties. The market on the last
mentioned is somewhat tight with a
demand for medium size slightly in ex-
cess of the supply. The market can
at last supply the demand for car-
nations. The request is especially
strong for white and the lighter shades.
The darker colors showing a tendency
to accumulate. Callas and Longiflorum
of quality find a very ready sale. Dou-

ble violets have been selling very well
the last few days but at such low
prices that it is profitable to use them
in work. More single violets are com-
ing in all the time day by day. Lily
of the valley is selling well. Poin-
settias can be had in quantities at fair
prices. Narcissus and Roman hya-
cinths are very plentiful. The supply
of green goods is ample for all de-
mands with the exception of asparagus
plumosus of which only about half
enough arrives. Shipping business in
this city has been very good.

FLORISTS' CLUB MEETING.

The Florists' club met at Wm. Mur-
phys, 311 Main street. There was a
large and enthusiastic attendance. The
guarantee fund for the flower show
in the fall is fast reaching its goal.
James B. Allan, Al. Horning and Miller
were elected to membership to the so-
ciety. Wm. Murphy and President C.
E. Critchell were accorded a vote of
thanks for their hospitality in serving
refreshments. A vase of C. C. Mur-
phy's new seedling red was exhibited
and won unanimous approbation.

NOTES.

Julius Dilloff, representing Schloss
Bros., New York, was a visitor.

Chas. Murphy is cutting a full crop
of carnations.

The bowling scores at the last meet-
ing were as follows:

	1st game.	2nd game.	Champion- ship average.
C. Witterstaetter	180	172	169
A. Sunderbruch	151	163	168
Ed. Witterstaetter	166	151	167
Al. Horning	173	181	165
Al. Horning	173	181	165
Leo Witterstaetter	156	141	144
Ray Murphy	140	171	139
Wm. Murphy	146	131	126
Ben George	115	137	119
C. H. Hoffmeister	112	106	116
Harry Sunderhaus	125	92	115
O. H. Hoffmeister	122	129	111
Lawrence Fritz	133	133	110

H.



Watch for our Trade Mark stamped
on every brick of Lambert's

Pure Culture Mushroom Spawns

Substitution of cheaper grades is
thus easily exposed. Fresh sample
brick, with illustrated book, mailed
postpaid by manufacturers upon re-
ceipt of 40 cents in postage. Address

Trade Mark. American Spawns Co., St. Paul, Minn

Mention the American Florist when writing



ENGLISH, Best quality, arriving constantly.
Spawns from 25 lbs. \$2.00
selected specimens 100 lbs. 6.50
AMERICAN. Our monthly shipments from the
manufacturer include all the varieties.
Garden City 25 bricks \$ 3.50
Pure Culture 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 25 Barclay St.

Mention the American Florist when writing

Seeds for the Market Gardener

are our specialty. Quality, our first consideration. We have a very large and complete
stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 136 page, 25th anniversary, catalogue contains true description and no over-
drawn illustrations. Our prices are right quality considered. Market Gardeners are
requested to write for our Market Gardeners' Wholesale Catalogue, sent free on request.

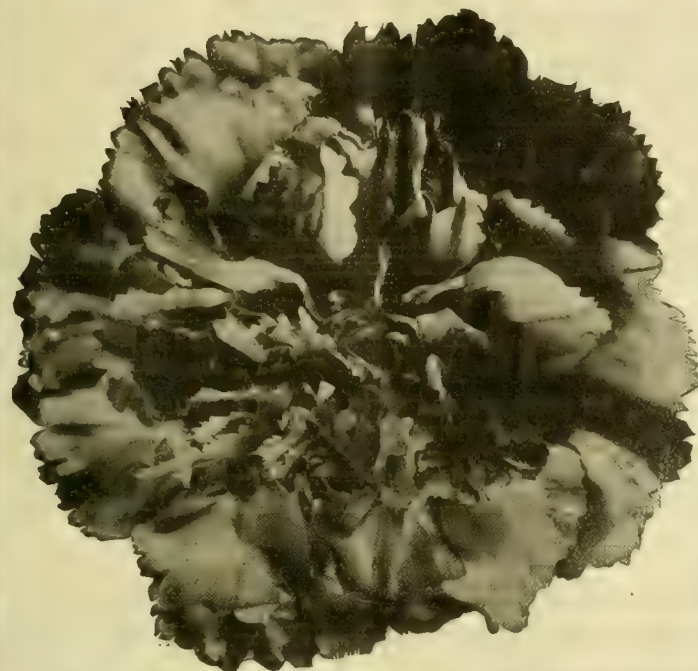
GERMAN NURSERIES & SEED HOUSE,

Box 700
Established 1886

Beatrice, Neb.

Rooted Carnation Cuttings

Ready for Immediate Delivery A No. 1 Stock
guaranteed satisfactory in every respect.



	Per 100	Per 1000
Washington, cerise. a sport from		
Enchantress.....	\$10 00	\$ 75 00
Princess Charming, beautiful flesh		
pink.....	12 00	100 00
Conquest, variegated.....	6 00	50 00
Sangamo, brilliant pink.....	6 00	50 00
Mary Tolman, deep flesh.....	6 00	50 00
Dorothy Gordon, pink, excellent....	6 00	50 00
Scarlet Glow, very good.....	6 00	50 00
J. Whitcomb Riley, yellow.....	6 00	50 00
Shasta, white.....	6 00	50 00
Pink Delight, flesh pink.....	6 00	50 00
May Day, flesh pink, very free.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Winsor.....	3 00	25 00
Winona.....	3 00	25 00
Alvina, cerise.....	3 00	25 00
Aristocrat, cerise.....	3 00	25 00
Afterglow.....	3 00	25 00
White Enchantress.....	3 00	25 00
White Perfection.....	3 00	25 00
O. P. Bassett, scarlet.....	3 00	25 00
Victory.....	3 00	25 00
Beacon.....	3 00	25 00

CHICAGO CARNATION CO.,

A. T. PYFER, Manager

Phone Central 3373.

35-37 Randolph St., Chicago.

Saves Your Printed Matter and Postage.



THE American Florist Company's Directory saves many times its price to every one who catalogues or circularizes even a small part of the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor. Contains 570 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

AMERICAN FLORIST COMPANY

324 Dearborn Street, CHICAGO.

Sent postpaid at \$3.00 a copy by the publishers.

The Nursery Trade

American Association of Nurserymen.

W.P. Stark, Louisiana, Mo., President;
E.S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N.Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16, 1911.

HELENA, MONT.—The employees of the State Nursery Co. were the guests of Manager and Mrs. Mills at a dinner on December 30, at their residence at the nursery. The host and hostess were pleasantly surprised by the presentation of a handsome cut glass water set, from the "boys" as a token of their esteem.

Notes From Southern California.

One of the noblest trees is the Australian banyan (*Ficus macrophylla*), which at first sight appears like *F. elastica* but has smaller slightly different foliage. Trees of this species 40 feet high and upwards are not uncommon and at the Homer Laughlin palace at Hollywood we noted a fine bit of planting: *Cocos flexuosa* with a trunk 14 inches in diameter and approximately 40 feet high; *Araucaria excelsa* about 50 feet high; a species of *arundinaria* about 25 feet and the *ficus* about 30 feet were very rich and effective owing to the variety in shape and tints of green of the foliage. Incidentally one of the finest effects in greens is frequently noted here in the rich, deep green of the olive groves and the lighter more lively green of the oranges. This contrast is most effective when seen in late afternoon or evening from the top of a hill, the effect of light and shade being then remarkably good. The loquat is used more as a lawn tree than for the sake of its fruit, though this ripens thoroughly here and the same is true of the Californian cherry.

All the varieties of the Chinese hibiscus do well here and if the roots are well irrigated during the dry season they keep in wonderfully good order. The comparatively new variety, Peach-blow, is a most effective and beautiful thing, with its warm, rosy-pink coloring and large double flowers. Several of the cassias from Buenos Aires and the West Indies are perfectly hardy here and grow very rapidly. Covered with the bright yellow flowers they are very attractive but of a rather untidy habit, and a far more attractive plant to our way of thinking is the old *Tecoma stans* (*Bignonia stans*). This forms an erect, handsome shrub and when covered with the large, tubular, clear yellow flowers is most distinct and attractive. The climbing species of this genus are very freely planted about the verandas and porches, *venusta* being probably the finest of all. The lovely flowers are the brightest crimson—and a fine plant, well flowered, is sure to attract attention. *Bougainvillea glabra* is planted almost too freely. It is true it makes a magnificent show, climbing to the top of the tallest houses and remaining a solid sheet of flower for many months, but there is something about the color of the flowers that does not harmonize with anything else. With just a reference to two rather remarkable plants, we will close these somewhat rambling notes: *Erythea armata*, the blue palm of California, is a striking fan palm with large glaucous leaves and is very fine when planted in a mass; *Casuarina equisetifolia* is an upright evergreen pine-like tree with

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSA POLYANTHA (Multiflora)

Good stock for grafting Roses when Manetti and Griffæ can not be had. Transplanted 1-year seedlings:

1st size, 4 to 8 mm.....\$38.00 per 10,000
2nd size, 3 to 4 mm..... 20.00 per 10,000

See Wholesale List for all other French Stocks.

E. TURBAT & CO.,

Orleans, France.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of *AMPELOPSIS* Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.
Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

long slender branches and leaves almost exactly like those of the common horsetail. Both are freely planted and

Ground Covers

— AND —

Plants for the Rockery

Put in your orders now for *Daphne Cneorum*, *Calluna Vulgaris*, *Arabis* and *Alyssum Saxatile*, etc.

Eastern Nurseries,

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Mention the American Florist when writing

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up; 1000 in 10 distinct kinds, either show, decorative or Cactus our selection of kinds for \$40.00. Cash.

Canna Roots, Strong division, at \$2.00 per 100, \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

— For the Best New and Standard —

DAHLIAS

— address —

PEACOCK DAHLIA FARMS,
Williamstown Junction, N. J.
Post Office: Berlin, N. J.

though very distinct from each other each has its uses in creating a variety in the landscape. H. R. R.

Vaughan's Roses for Forcing

Try the two improved Baby Ramblers:
Jessie,..... per doz., \$5 50; per 100, \$40 00
Phyllis,..... per doz., 3 00; per 100, 22 00
 They are comers. Write for description.

Baby Ramblers

2-year..... per doz., \$2 00; per 100, \$14 00
 3-year..... per doz., 2 50; per 100, 16 00
 ½ standard..... each 1 00; per doz. 10 00

Mrs. Cutbush

2-year..... per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year..... per doz., \$2 00; per 100, \$15 00
 3-year..... per doz., 3 00; per 100, 18 00
 Standards, 3 to 4 feet..... each 75c

Dorothy Perkins

2-year..... per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year..... per doz., \$3 50; per 100, \$25 00
 Standards, 3 to 4-ft. stem..... each 1 00

Lady Gay

2-year..... per doz., \$3 00; per 100, \$20 00
 Standards, 3 to 4 ft. stem..... each 75c

Tausendschon

2-year..... per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

Anna de Diesbach, Magna Charta,
 Baroness Rothschild, Mrs. John Laing,
 John Hopper, Ulrich Brunner,
 2-year..... per doz., \$1 75; per 100, \$14 00

Mrs. R. G. S. Crawford, Paul Neyron
 and others.
 2-year..... per doz., \$2 00; per 100, \$15 00

Manetti

	100	1000	5000
French.....	1 50	12 00	50 00

Aucuba Japonica

Variegated foliage, bushy.
 18 inch..... each, \$0 75; per doz., \$ 8 00
 18-24-inch..... each, 1 00; per doz., 11 00
 Tubs..... each, 2 50 to \$3 00

Forcing Stock

Azalea Mollis

Fine bush plants, with 30 to 50 buds, each 50c;
 per doz. \$4.50; per 100 \$35.00.
 Plants with 75 to 100 buds, each \$1.00; per dozen
 \$10.00.

Deutzias

	Per doz.	100
Gracilis, 7-in. pot grown.....	\$2 00	\$15 00
Lemoinei, 7-in. pot grown.....	2 50	16 00

Hydrangea Otaksa

and 7 in. pot grown, 3 to 4 flowering stems
 Per doz..... \$5 00; per 100, \$40 00
 7-in. pot grown, 5 to 6 flowering stems
 Per doz..... \$8 00; per 100, \$65 00

Rhododendrons

Best named varieties for Easter forcing.
 Each Doz.
 Bushy, well shaped plants, 8-12 buds, \$1 00 \$ 9 00
 " " " " 12-18 buds, 1 25 12 00
 " " " " 18-24 buds, 2 00 20 00
 All of this stock is freshly imported and very
 choice. Early orders receive first attention.

WE ARE HEADQUARTERS FOR

Boston Ferns

Our stock took first prize at the Chicago Flower
 Show this fall. It is just the kind of stock you
 need. Order now.

	Each	Doz.	100
2½-inch pot plants.....	\$.10	\$ 75	\$ 5 00
3 -inch pot plants.....	.15	1.25	8 00
4 -inch pot plants.....	.25	2.50	20 00
5 -inch pot plants.....	.40	4.50	35 00
6 -inch pot plants.....	.75	8.00	60 00
7 -inch pot plants.....	1.00	10 00	75 00
8 -inch pot plants.....	1.25	14 00	100 00
10 -inch pot plants.....	2.50	\$3.00 each.	

Prices are f. o. b. Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph St. CHICAGO 25 Barclay St. NEW YORK.

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class.
 Won first honors in the 100 class for best dark pink at the
 A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago
 Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early
 and continuous bloomer, brings fully 25 per cent more flowers to the
 plant than Lawson at its best; flowers well shaped on long wiry
 stems; calyx does not split. It is a good shipper, and the cuttings
 root easy.

Price per 100, - - -	\$ 12.00	Price per 5000 - -	\$400.00
Price per 1000, - - -	100.00	25 at 100, 250 at 1000 rates.	

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
 Wisconsin.

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$8 00
 per 100; 3-in. pot plants, \$15.00 per 100; 4-in.
 pot plants, 12-15-in. high, \$35.00 per 100; 5-in.
 pot plants, 15-18 in. high \$60.00 per 100.

Nephrolepis Scholzei, 2½-in. \$5.00 per 100;
 5-in. strong, \$6.00 per doz; \$40.00 per 100.

Asparagus Sprengeri, Strong 5-in. pot
 plants, 15c.

Rhododendrons, Fancy forcing varieties, 6
 to 8 buds at 60c; 8 to 12 buds at 75c; 12 to 16
 buds at \$1.00.

Dracaena Indivisa, 2½-in po stock for
 growing on at \$3.00 per 100.

Spiraea, large forcing clumps. Gladstone,
 \$9.00 per 100; Florabunda, \$4.50 per 100;
 Superba, \$6.00 per 100; Blondin, \$6.00 per 100;
 Washington, \$6.00 per 100; Japonica at \$4.00
 per 100.

Heliotrope, Purple in five good varieties,
 \$3.00 per 100; \$25 00 per 1000.

Boxwood, Bush shape for window boxes or
 pot sale, very bright foliage and bushy, 10 to
 12-in. high \$20 00 per 100; 12 to 15-in. high,
 \$25.00 per 100. Full line of sizes in both Pyra
 midal and Natural Bush forms. Prices on
 application.

Dahlias, Fine collection of field grown
 clumps. (Special circular on application.)

THE STORRS & HARRISON CO., Painesville, O.

8000 Whitmani

For Xmas Baskets

These are fine stocky plants just right for
 pans or baskets with other plants. 4-inch
 \$12.50 per 100; 3-in. \$8.00 100.

	Per 100
Superbissima, 4-in.....	\$25 00
3½ in.....	20 00
Todeaoides, 4-in.....	20 00
3-in.....	12 00
Fern Dish Ferns, 2½ in.....	3 50
Asparagus Plumosus, 3 in.....	5 00
2-in.....	2 50

Cash please. We grow plants only, and
 sell exclusively wholesale.

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DELPHINIUM FORMOSUM

Hardy Lilies

Tenulfollum, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM
 and **GERMAN IRIS.**

Write for Prices.

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Geraniums

S. A. Nutt.....\$11.50 per 1000.
Ricard..... 14.00 Per 1000.
Poitvine..... 14.00 per 1000.

All sold until the latter part of February

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Verschaffeltii.....\$6.00 per 1000
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Standards in assortment 5 00 per 1000
Giant Leaved, extra fine 10.00 per 1000

Lime

Hydrated and pulverized and bagged,
 will keep indefinitely in a dry place.
 Send for circular, or better yet try a
 half ton, it will be the best investment
 you ever made. Price, \$4.50 cash with
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 LANCASTER, PA.

Ferns

Four-inch, heavy well rooted plants.
Pieroni, Elegantissima, Barrowsi, \$14.00 per
 100; Boston, \$15.00 per 100.

Wagner Park Conservatories
 SIDNEY, OHIO

Send Advs. Early for Best Service.

Roses for 1911

Dark Pink Killarney.

A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. When Killarney is pale, Dark Pink Killarney is bright and cheerful.

Grafted plants only, from 2 1/4-inch pots.
\$20.00 per 100; \$180.00 per 1000.

Lady Cromwell.

A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer and a color that sells.

Grafted plants only, from 2 1/4-inch pots.
\$30.00 per 100; \$250.00 per 1000.

Radiance.

Strong in growth and making plenty of stem. Cerise pink in color.

Grafted plants, \$18.00 per 100; \$150.00 per 1000
Own root, 10.00 per 100; 90.00 per 1000

Double Pink Killarney.

Originating with Robert Scott & Sons, who supply us the wood for grafting. Stronger in growth than Killarney and with at least ten more petals. A wonderful improvement.

Grafted stock only.
\$30.00 per 100; 250.00 per 1000.

Mrs. Aaron Ward.

By far the most pleasing of the yellow roses now on the market. A general favorite, and one which will be widely grown, for yellow roses are in demand.

Grafted plants, \$25.00 per 100; \$200.00 per 1000
Own root, 12.00 per 100; 100.00 per 1000

Melody.

We have reserved for our orders own root plants of this choice novelty. No grafted plants.
From 2 1/4-inch pots,
\$30.00 per 100; \$250.00 per 1000.

Prince de Bulgarie

The best prices for cut flowers should be the standard for judging roses, and this rose has been the money getter. Strong and vigorous in growth, and with its beautiful shell pink bloom it has sold on sight. One of the best roses grown.

Grafted plants, \$20.00 per 100; \$180.00 per 1000
Own root, 15.00 per 100; 120.00 per 1000

Killarney, White Killarney, Richmond, My Maryland, Kaiserin Augusta Victoria.

These are the old standards, and we are headquarters for young stock.

Grafted plants \$15.00 per 100; \$120.00 per 1000
Own root, 2 1/4-in., 6.00 per 100; 50.00 per 1000

A. N. PIERSON, Inc.,

Cromwell, Conn.

Primroses

	Per 100
Obc. Alba and Rosea.....	\$1 50
Obc. Gigantea.....	2 00
Asp. Sprengeri.....	2 00
Alternantheras, yellow, R. C.....	60

—Cash—

JOS. H. CUNNINGHAM, Delaware, O.

ROSES

A SPECIALTY.

**The Dingee & Conard Co.,
WEST GROVE, PA.**

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We are one of the largest collectors and importers of Orchids,
Investigate us.

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ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER, St. Albans, Eng.
NEW YORK OFFICE: 258 Broadway, Room 721
T. MELLSTROM, Agent.**

Orchids

In great variety, established or unestablished at popular prices. Also materials of all kinds, such as Peat, Live Sphagnum, Orchid Baskets, etc. Write for special list and catalogue.

Lager & Hurrell, Summit, N. J.

Portland, Me.

The florists report that the holiday sales were fully equal to last year. Prices were high on carnations and roses.

S. C. Allen is now in Boston and will take charge of the seed department of the Park & Pollard Co., which they will open in connection with their poultry supplies and feeds. Park & Pollard are the originators of the Dry-Mash Feeding System. A.

We Can Still Supply

IN FIRST-CLASS CONDITION:

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Glaucia*. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the *Araucarias* in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5 1/2-6-7 in. pots, 15-18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elephant 6-in. pot, 4 years old, 4-5 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00; and what do you think a holy terror 30 in. and over, 5-6-7 tiers, worth \$200, for only \$1.25 to \$1.50.

Robusta Compacta, *Excelsa Glaucia*, 6-in. pots, \$1.00 \$1.25, \$1.50 to \$2.00 each.

We also have the nicest *Araucaria Robusta Compacta* and *Excelsa Glaucia*, a house full, for only \$1.25 to \$1.50, worth double.

Primula Chinensis, mostly white, 5 1/4-in., \$2.50 per doz.

Asparagus Sprengeri, 2 1/2-in., 3c; 4-in., 10c.

Jerusalem Cherries, or *Solanum* 6-in. pots, 25c, 35c, 50c.; full of ripe berries.

Dracena Bruantii, 25 to 30 in. high, 6-in. pots, 40c to 50c. Highly recommended for store and house decoration: stands heat, cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6-in. pan, 25c to 30c.



Azalea Indica, Easter forcing: *Vervaneana*, Professor Wolters, *Empress of India*, *Schryveriana*, double variegated 60c, 75c \$1.00 to \$1.50; *Mme. Van der Cruyssen*, *Simon Mardner*, pink, *Niobe*, white, *Apollo*, red, 60c, 75c, \$1.00, \$1.25 to \$1.50. In large plants we have *Niobe*, *Helena Thielman*, *Bernard Andreas Alba*, white, *Mme. Van der Cruyssen*, and others, \$1.50, \$2.00 to \$2.50.

Kentia Forsteriana, in fine shape, 6-in. pots, 30-35-40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25 \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30-35-40 in. high, 5-5 1/2-6-7 in. pots, 5-6-7 years old, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine *Boston*, *Scottii*, *Whitmani* and *Scholzii*, 5 1/2 and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatfashi, a new beautiful fern, an improvement on *Scottii*, much shorter and bushier than *Scottii* 5 1/2 in. pots 50c; 3-in. pots, 25c.

Pteris Wilsoni, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Ferns for Dishes, big assortment, 2 1/2-in. pots, at \$4.00 per 100.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Spiraea Cladstone, started, in 5 1/2 to 6-in. pots, at 15c, 20c to 25c.

Cineraria Grandiflora Hybrida, Aschmann's so well-known superior strain which brought as high as one dollar a plant wholesale last Easter. Now is the best time if you want good plants for Easter. We have a very large stock of 4-in., ready for a shift into 6-in.; price, only \$10.00 per 100; 3-in., \$3.00 per 100.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

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Wholesale Grower and Importer of Potted Plants.

1012 W. Ontario St., PHILADELPHIA, PA.

Do Not Forget Us--

When you wish to place your order for Chrysanthemums and Aster seed, write for our complete catalogue for 1911. We know it will please you.

ELMER D. SMITH & CO.,

Adrian, Mich.

Send Advertisements Early for Best Display.

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World's Choicest Florist and Nursery Products. RHODODENDRONS.

In all bright colors; fine forcing varieties; good value.
\$9 00, \$12 00, \$15 00, \$18 00 per doz.

CAMELLIAS. Well budded plants, variety of colors, \$15 00, \$18 00, \$24 00 per doz.

ACACIA PARADOXA. Fine plants, \$12 00, \$18 00, \$24 00 per doz.

Pot-Grown Forcing Plants.

	Per 100	Doz.
Azalea Mollis	\$35 00	\$4 50
Deutzia Gracilis	15 00	2 00
Lilac, Charles X. Marie Le Graye, extra size, for 8-9 in. pots		10 00
Malus, Flowering Crab		15 00
Dielytra Spectabilis	6 00	
Aucuba Variegated, for window boxes, 12-15 in.		4 00
Aucuba, fine plants, 18-24 in.		9 00

KENTIAS and BAY TREES.

Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

Nurserymen, Florists and Planters,

ROSES.

H.P., low budded, 2 yr., fine stock for forcing in pots, following varieties: \$15 00 per 100; \$120 00 per 1000.

Gen. Jacqueminot.	Marie Baumann.	Gabriel Luizet.
La France.	Frau Karl Oruschki.	Magna Charta.
Pæonia	Baroness Rothschild.	Mme Plantier.
Ulrich Brunner.	Mrs. John Laing.	Mrs. R. G. Sherman
Baron Bonstettin.	Gen. Washington.	Crawford.
Crimson Rambler, home grown, 2-year old, 2-3 ft.	Per doz.	100
well branched, own roots	\$2 00	\$12 00
2-year old, 2-3 feet, well branched, budded	2 00	12 00
3-year old 3-4 feet, well branched, own roots	3 00	15 00
3-year old, 4-5 feet, well branched, budded	3 00	15 00
Dorothy Perkins, strong field grown	2 00	15 00
Baby Rambler, half standard, 30 in. high	9 00	
Lady Gay, 2-year old		15 00
Baby Rambler, dormant, field grown, selected, budded plants		16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction. We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small Evergreens, for Winter Boxes and Vases, 10-12 inches, \$20 00 per 100; 12-15 inches, \$25 00 per 100; 15-18 inches, \$35 00 per 100.

RUTHERFORD, N. J.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C. \$1.00 per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

Roses in 200

sorts for immediate or spring delivery.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

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3,000 Vernon Begonia Seedlings.

DANIEL E. GORMAN, Williamsport, Pa.

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Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
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Calla Elliottiana..

Largest size.....\$20.00 per 100
2nd size..... 15.00 per 100

Leedham Bulb Company, Santa Cruz, Calif.

Rooted Carnation Cuttings.....

	From clean healthy, prize-winning stock.	Ready now.	Per 100	Per 1000
Boston Market			\$2 50	\$22 00
Enchantress			3 00	25 00
Victory			2 50	22 00
White Lawson			3 00	25 00
White Perfection			3 00	25 00
Winsor			3 00	25 00

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A New Fern Nephrolepis Giatrasii

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2 1/4-inch pots, \$2.00 per dozen; \$12 00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received.

Now Ready for Delivery.

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Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

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D. U. AUGSPURGER & SONS CO. FLORISTS,

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HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Rooted Carnation Cuttings

For December Delivery.

ENCHANTRESS, PERFECTION,
BEACON, \$3.00 per 100;
\$25.00 per 1000.

ROSE PINK and WHITE
ENCHANTRESS, WINSOR,
\$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co.,
JOLIET, ILL.

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Verbenas! Verbenas!! Verbenas!

The Gem Bedding Plant.

Send for circular.

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Pansy Plants.

None better at any price. \$2.50 per 1000; 5000 for \$10.00.
Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2 1/4-inch pots, \$2.00 per 100; \$5.00 for 300.

Violets, field-grown. Lady Campbell to clean out, \$3.00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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Gummed Gold, Silver and Purple Letters, Gold and Purple Script Names for inscriptions on Floral Designs, Best and Cheapest on the Market. Send for Samples and Prices.

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DRAPER'S Recording Thermometer

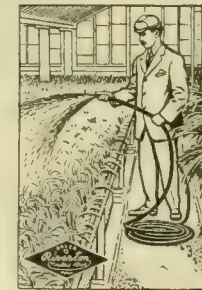
Traces automatically a correct and continuous record in ink of the temperature on a graduated weekly chart. Standardized and fully guaranteed. Size 14x20 in., price.. \$30.00. Size 9x14 in., price.. 20.00. THE DRAPER MFG. CO. 152 Front St., New York

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

269 Lake Street, KENDALLVILLE, IND.



DREER'S

Florist Specialties.

New Brand New Style.

Hose "RIVERTON"

Furnished in lengths up

to 500 ft. without seam or

joint.

The HOSE for the FLORIST

3/4-inch, per ft., 15 c.

Keel of 500 ft., " 14 1/2 c.

2 Reels, 1000 ft., " 14 c.

1 1/2-inch, " 13 c.

Reels, 500 ft., " 12 1/2 c.

Couplings furnished.

HENRY A. DREER,

714 Chestnut St.,

PHILADELPHIA, PA.

Greenhouse Heating

Is a Perplexing Question to all Florists

Except Those Using

Morehead Steam Traps

¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist,

¶ It is further evidence of good management, for the 'Morehead' is an investment in both satisfaction and economy.

¶ The majority of florists are using Morehead Traps. If you are one of the exception it will be to your interest to write us—we will make you a liberal trial offer proposition.

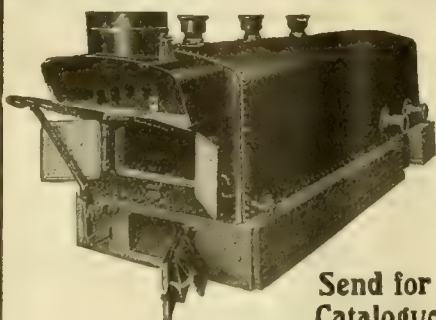
¶ By way of getting acquainted, just send your name and address and ask for 'Trap Book.'



MOREHEAD MFG. CO.

Department "N"

Detroit, Mich.



Send for
Catalogue

WHAT THE USERS SAY

TEST AT 12° BELOW ZERO WITH HEAVY WIND

The No. 7 Kroeschell Greenhouse Boiler is heating 10,000 square feet of glass—it will take care of 15,000 square feet. We had no trouble to keep up temperatures when it was 12 below zero, with a heavy wind. The boiler has given entire satisfaction, and it is certainly an up-to-date affair and we would use no other.

CERNY & ROWE, Kirkwood, Mo.

KROESCHELL BROS. CO., 452 W. Erie St., Chicago, Ill.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red, yellow and Brilliantissima, rooted cuttings, 60c per 100; \$5 per 1,000; 2½-in., \$2 per 100; \$18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Alternantheras, yellow, R. C., 60c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong \$6 per 100. Asparagus Sprenger, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100. Asparagus Sprenger, 2½-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Potbound 3-in. Sprenger, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus Sprenger, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 2½-in., 3c; 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 3-in., \$5 per 100; 2-in., \$2.50. The Reeser Plant Co., Springfield, O.

AUCUBAS.

Aucuba Japonica, 18 ins., 75c each; \$8 per doz.; 18-24 ins., \$1 each; \$11 per doz.; tubs, \$2.50 to \$3 each. Vaughan's Seed Store, Chicago and New York.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azalea mollis, 50c each; \$4.50 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas. Jacobs Smits, Naarden, Holland.

BAY TREES.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Reehrs Co., Rutherford, N. J.

Begonia Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Reehrs Co., Rutherford, N. J.

Boxwood. McHutchison Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs. Japanese lilies, giganteum, multi-dorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CARNATIONS.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Sangamo	\$6.00	\$50.00
Mary Tolman	6.00	50.00
Conquest	6.00	50.00
White Enchantress	3.00	25.00
May Day	3.00	25.00
Beacon	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winona	2.50	20.00

Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

Carnations, Boston Market, Victory, \$2.50 per 100; \$22 per 1,000. Enchantress, White Lavson, White Perfection, Winsor, \$3 per 100; \$25 per 1,000. A. Henderson & Co., 51 Wabash Ave., Chicago.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000; Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, R. C., \$13 to \$20 per 1,000 for best standard varieties. Write for quotations. Northwestern Floral Co., Wilmette, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnation Bondre, \$12 per 100, \$100 per 1,000. The E. G. Hill Co., Richmond, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, large flowering dwarf, 3-in., \$3.50 per 100; 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffeltii, rooted cuttings, 75c per 100; 2½-in., 2c; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, Verschaffeltii, Golden Bedder, \$8 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, G. Bedder, Verschaffeltii, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 5-in. 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. A. N. Pierson, Inc., Cromwell, Conn.

CUTTINGS.

CUTTINGS.

Ageratum, blue	\$5.00 per 1,000
Coleus Pfister, red, a pretty crinkly or crested leaf variety	6.00 per 1,000
Coleus Pfister, yellow, a pretty crinkly or crested leaf variety	6.00 per 1,000
Alternanthera, red	5.00 per 1,000
Alternanthera, yellow	5.00 per 1,000
German Ivy	4.00 per 1,000
Salvia Splendens	6.00 per 1,000
Chrysanthemums, Bonaffon	3.00 per 100
Chrysanthemums, Buckbee	3.00 per 100
Chrysanthemums, Enguehard	3.00 per 100

STOCK PLANTS OF CHRYSANTHEMUMS.

Bonaffon, yellow	\$3.00 per 100
Enguehard, pink	3.00 per 100
Nonin, white	3.00 per 100

GEO. WITTBOLD CO.,

737 Buckingham Place, Chicago.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Cyclamens, extra well budded, 4-in., 15c each. Mosbæk Greenhouse Co., Onarga, Ill.

DAISIES.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracilis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinei, 7-in., \$2.50 per doz; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracaena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracaena Branti, 6-in., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Dracaena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

FERNS FOR FERN DISHES. Largest stock in the country; several hundred thousand strong, healthy, bushy 2½-in. stock now ready. Assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 5,000 for \$100. Cibotium Scheidel, extra strong 4-in. stock ready for 5-in. pots, \$8 per doz.; \$65 per 100. DICKSONIA ANTARCTICA. A grand commercial tree fern of greatest value, 4-in. stock, \$5 per doz.; \$65 per 100. FERN SEEDLINGS in 6 good fern dish varieties, large clumps, \$1 per 100; \$9.50 per 1,000. ADIANTUM CUNEATUM, 4-in., \$12 per 100. Asparagus plumosus nanus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns. Heavy plants, Boston, 4-in., \$15 per 100. Pierson Elegantissima, Barrows, 4-in., \$14 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns, Whitman, 4-in., \$12.50 per 100; 3-in., \$8. Superbissima, 4-in., \$25 per 100; 3½-in., \$20. Todeoides, 4-in., \$20; 3-in., \$12. For dishes, 2½-in., \$3.50. The Reeser Plant Co., Springfield, O.

Ferns, Boston, 2½-in. \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnifica, 2½-in. 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, for sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Pierpont, 2½-in., 4c; 3-in., 5c. Elegantissima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosback Greenhouse Co., Onarga, Ill.

Ferns, Scholze, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns, for dishes, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Ficus, McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.

ROOTED CUTTINGS.

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beate Pottevine, Mme. Buchner, Strong, healthy cuttings, well rooted, prompt delivery, \$1.50 per 100; \$15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Pottevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, Special offer, see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, \$11.50 per 1,000. Pottevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., 5c; 4-in., 10c.; \$90 per 1,000. La Favorite, 2½-in., 2c. Mosback Greenhouse Co., Onarga, Ill.

Geraniums, R. C., on and after Nov. 15th, \$12.50 per 1,000. R. E. Wadsworth, Box 224, Danville, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens of all kinds. For varieties and prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38 Broadway, Detroit, Mich.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, 50 lb. case smilax, \$1.75. Henry M. Robinson & Co., Nadawah, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Wild smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, 20 vars., \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy herbaceous plants, Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope Centiflor, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-in., \$2; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid, Chas. Frost, Kenilworth, N. J.

Heliotrope, 6 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

HYDRANGEAS.

Hydrangea aborescens grandifolia, 1-year field-grown, \$2 per doz.; \$15 per 100; \$120 per 1,000. Good & Reese Co., Springfield, O.

Hydrangeas Otaksa, 6 and 7-in., pot-grown, 3-4 stems, \$5 per doz.; \$40 per 100; 7-in., 5-6 stems, \$8 per doz.; \$65 per 100. Vaughan's Seed Store, Chicago and New York.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Charles X, Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, \$1 each; \$8 per doz.; \$80 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X, 50c each; \$5 per doz. Jackson & Perkins Co., Newark, N. Y.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Finest grade of pipe grown by Mr. E. Neubert, Wandsbek, Germany. New York Representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley. Premium dormant, \$12 per 1,000. International dormant, \$10. London Market (storage), \$14. Vaughan's Seed Store, Chicago.

Lily of the Valley. For prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, French, \$1.50 per 100; \$12 per 1,000; \$50 per 5,000. Vaughan's Seed Store, Chicago and New York.

Manetti, English, \$12 per 1,000. French, \$10. Jackson & Perkins Co., Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Aristolochia Sipho, 3-yr., strong, \$15 per 100. Cornus Amomum, 2-3 ft., \$6. White Snowberry, 2½-3½, \$6. Crataegus Oxyacantha, 2½-3½, \$6. Write for additional surplus list. Henry Lake Sons, Black River Falls, Wis.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Ground covers and plants for the rockery. Eastern Nurseries, Jamaica Plain, Mass.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms, Kentia Bel., 2½ in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias, Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, McHutchison & Co., 17 Murray St., New York.

PETUNIAS.

Petunias, double, 3-in., 75c per doz.; \$6 per 100; set of 15 for \$1. Seed of fringed, 75c per 500 seeds; \$1.50 per 1,000 seeds; single, 50c per trade pkt.; \$1 per 1-16 oz.; \$1.50 per ¼ oz. Denry A. Dreer, Philadelphia.

PRIMULAS.

Primula chinensis, 5½-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia. Schwann, 1012 W. Ontario St., Philadelphia.

Primroses, Obconica giants, 3-in., \$4 per 100. Kewensis for either cut or pot plants, 3-in., \$4 per 100. They are fine plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primroses, Obc. alba and rosea, \$1.50 per 100. Obc. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula Kewensis, good, strong plants, 3-in., \$5 per 100; 4-in., \$7. Stuppy Floral Co., St. Joseph, Mo.

Primula obconica, 5-in., \$15 per 100. Mosback Greenhouse Co., Onarga, Ill.

Primulas, Chinese, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$1 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, McHutchison & Co., 17 Murray St., New York.

Rhododendrons, Bobbink & Atkins, Rutherford, N. J.

Rhododendrons, Jacs Smit, Naarden, Holland.

ROSES.

Roses, budded-field, grown H. P., extra fine, roots and tops. Frau Karl Druschki in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses for 1911. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Rosa polyantha (Multiflora), 1st size, \$33 per 10,000; 2nd size, \$20. E. Turbat & Co., Orleans, France.

Roses, hybrid perpetual and Rambler. Jackson & Perkins Co., Newark, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Dingee & Conard Co., West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leadle Floral Co., Springfield, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, stocks. For varieties and prices see advertisement elsewhere in this issue. Fottier, Fiske, Rawson Co., 12 Faneuil Hall Sq., Boston, Mass.

Seeds, Vaughan's new crop flower seeds. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, cabbage, cauliflower, carrot, mangold, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds. For prices see advertisement elsewhere in this issue. J. Bolgiano & Son, Baltimore, Md.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, aster. Elmer D. Smith & Co., Adrian, Mich.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds of all kinds. A. Henderson & Co., 51 Wabash Ave., Chicago.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Florida grown watermelon seed Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seeds for market gardeners. German Nurseries and Seed House, Box 700, Beatrice, Neb.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, growers of peas, beans, sweet corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratekins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle pines, 2 to 4 ft., \$3.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Forcing tomatoes, Comet and Lorillard, 2½-in., \$2 per 100. Roney Bros., West Grove, Pa.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata, R. C., \$1 per 100; 2¼-in., \$2.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmaus, Newton, N. J.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

STOCK WANTED.

Stock wanted—3,000 Vernon begonia seedlings. Daniel E. Gorman, Williamsport, Pa.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling Co., E. C., 32-36 Randolph St., Chicago.

Badgley, Rledel & Meyer, Inc., 34 W 28th St., New York.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 58 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S. 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robison & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 123 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston.—Thos. F. Galvin, Inc., 124 Tremont St.

Boston—Hoffman, 5961 Mass. and Commonwealth Aves.

Boston—Penn, the Florist, 43 Broomfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cedar Rapids, Ia.—J. E. Lapes.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Ell Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Nashville, Tenn.—Geny Bros.

New York—David Clark's Sons, 2139 Broadway.

New York—Dard's, 44th and Madison Ave.

New York—Alex McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small and Sons.

New York—Young and Nugent.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Philadelphia—J. J. Habermehl's Sons.

Philadelphia—Robt. Kift, 1725 Chestnut.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

Rockford, Ill.—H. W. Buckbee.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

St. Louis—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Boland, 60 Kearney St.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Terre Haute, Ind.—John G. Heinel & Son, 120 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses, Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plainville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish. Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURDALE GOLDFISH CO.
 920 Randolph St. Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points. Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes $\frac{3}{8}$ and $\frac{1}{2}$ 40c per lb.; 18c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburgh, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord and Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart, \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

MATS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kennecott, Pa.

MISCELLANEOUS.

Building and propagating sands, fire brick, fire clay, Portland cement, stonekote and hard wall plaster. R. I. W. Damp resisting paint. Garden City Sand Co., Chamber of Com. Bldg., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Draper's recording thermometers, 14x20 ins., \$30; 9x14 ins., \$20. The Draper Mfg. Co., 152 Front St., New York.

Model extension carnation support; galvanized rose stakes. Igoo Bros., 266 N. 9th St., Brooklyn, N. Y.

New imported florists' baskets. The Radlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower boxes. For sizes and prices see advertisement elsewhere in this issue. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Vacuum heating system. Chicago Pump Co., 1061 Fulton St., Chicago.

Glass for greenhouses. W. R. Jones & Co., 502 Union Nat. Bk. Bldg., Columbus, O.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Gummed gold, silver and purple letters. J. Lichtenberger, 1566 Avenue A, New York.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston.

POTS, PANS, ETC.

"NUF-SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

The Red Pot, C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 600 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

American Florist Co. 324 Dearborn St. CHICAGO

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The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

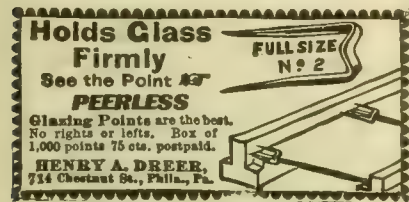
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Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{8}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

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Holds Glass Firmly

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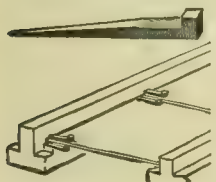
Glazing Points are the best.

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FULL SIZE
No 2



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs \$7.00

VAUGHAN'S SEED STORE
Chicago New York

Albany, N. Y.

At the January meeting of the Albany Florists' Club the officers for 1911 were installed, one new member elected, two applications received, and an interesting discussion held upon three trade questions. President Frederick Goldring presided for the last time and after calling the meeting to order and accepting the name of Arthur Zirkman of M. Rice & Co., Philadelphia, as member of the club he resigned his chair to Frederick A. Danker, the new president. Frederick Henkes and Patrick Hyde were named a committee to escort the new officers to their chairs. Under the head of good of the club President Danker drew from the question box three enquiries: "What is the proper temperature for growing Killarney roses?" "Is primula obconica guilty of all the charges brought against it?" and "What is the object of the Florists' club?" Under the first question it was found that members kept a night temperature in their houses of from 58 degrees to 62 degrees. The consensus of opinion was in favor of the higher temperatures. In regard to primula obconica an interesting letter from the Bender Hygienic laboratory of this city was read. The director made mention of experiments in which the leaves of the plant were macerated in a mortar and both aqueous and alcoholic solutions made of the extract. In one experiment the solution was applied to the skin of rabbits from which the hair had been shaved and in the other it was applied on the hands, antiseptically cleaned first, of 55 students in the Albany medical college. No developments fol-

Let's Talk Business

Does it pay you in the long run to take the risks--to be your own contractor, and have to stand all delays on your greenhouse materials or erection? Just for example: Suppose you shop around for your materials, buying them here, there and everywhere, from at least half a dozen concerns, and what happens?

You are subject to the delays of six different firms, doing business six different ways, shipping your materials at six different times.

You engage mechanics for a certain date, and when they come, half the materials have not arrived--the work can't go on and the men must go off to another job. Finally, when you are actually ready, the men cannot come and you are held up again waiting for them. So much for being your own contractor.

Now suppose you had placed the entire job with us--materials, erection and all? You could then hold us responsible for the complete proposition. Any delays on shipments of materials, so the men couldn't work, would be our funeral.

Any dissatisfaction concerning the materials or work, you could then adjust with one firm.

When completed, you would have the best possible house and equipment for the money. One not excelled by any other in the business. One that would not be a collection of unrelated parts, but everything made with an idea of meeting the exact demands of your particular case.

Whichever way you decide to place your order, whether for materials alone, or for materials and erection, you will save money in the end by placing that order with L. & B. Try it and see if you don't.

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Let's get together and talk this greenhouse matter over. In a short time building will be going merrily on, and you want to have things all settled so your new greenhouse will be among the number. Now you know the kind of houses we build--and that there is none better--you know that we have a reputation for pleasant dealing, so send for our illustrated matter--and let's get together and do business.

Hitchings & Company

Designing and Sales Office
1170 Broadway New York
Gen'l Offices and Factory,
Elizabeth, N. J.

lowed in any case. At the meeting, nevertheless, numbers insisted that they had been poisoned by handling the plant. The third question was disposed of by a general agreement that the object of the club is to promote better acquaintance among members of the trade through the medium of social intercourse.

R. D.

COLONIE, N. Y.—Josiah L. Young filed a petition in bankruptcy December 27, with liabilities of \$21,315 and assets of \$17,744, including stock in Troy and storehouse and greenhouse in Green Island, valued at \$10,000. There are over 200 creditors. Building, loan and insurance companies have secured claims for over \$7,000.

Tacoma, Wash.

The holiday business for 1910 and 1911 is now past. Taken as a whole the volume of business exceeds that of any previous year and while it is an apparent fact that no individual florist reports anything especially good or any great increase—unless it be just one exception—the reason is easy to locate when we consider the increased number of stores lately started. The supplies were equal to the demand and stocks generally good—though many carnations brought in showed signs of too much heat and were cut too soon. Prices at retail were the same as last year, but the wholesalers advanced theirs. Roses were rather scarce and of inferior grade. Violets from California arrived in fine condition and were all sold. English holly was plentiful and quality good. Our stores were fortunate this year in not having all market men handling it in competition. Some very good chrysanthemums were to be had—they retailed at \$3 to \$5 per doz. There was a surplus of poinsettias, many of them very inferior.

NOTES.

Tacoma Floral Co. reports a fine business and Mr. Beal tells that "not a plant in bloom was left and our sales just double those of December, 1909." No cause for discouragement in this.

Northwestern Floral Co. sold out a lot of plants by putting a fine showing into a store room alongside the California Florists' Co.

Mrs. Watson, in the Public Market building, handled a nice lot of stock and cleaned out practically everything except some small plants.

John Hamilton & Son have a new store on K street near Eleventh and get their proportion of business all right.

California Florists enjoyed a good trade, and plants, cut flowers and greens were about all cleaned out.
S. L. H.

Fishkill, N. Y.

The new factory of the Hammond Paint and Slug Shot Works is now completed and was placed in operation the beginning of the new year. The building at the "northeast corner of the long dock" in which Mr. Hammond located when he came here years ago from Mount Kisco has been vacated and the factory entirely removed to "Hammond's Corner."

The erection of the factory was commenced at the close of last spring, the corner-stone being laid June 22. The building was completed about a month ago and dedicated by the holding of a bazar and dance for the benefit of the fund for the new Bank Square fountain, which will replace a former drinking fountain known as "Hammond's Fort," a picture of which is among the papers and articles deposited by Mr. Hammond in the corner-stone last June. Mr. Hammond is beginning the year in a brand new building at the gate of the town.

BRIDGETON, N. J.—Mrs. Rae has closed her store on High street, as the building has been leased, and has moved the stock to her greenhouses on Seventh street.

PORT CHESTER, N. Y.—Edwin E. Leonhardt, son of Emil Leonhardt, and a member of the florist firm of Emil Leonhardt & Son, was married to Miss Louise Lennin, of New York city, December 17.

HARRISBURG, PA.—A fire of unknown origin destroyed the boiler room, warehouse and several greenhouses of H. S. Miller near Summerdale January 1. The loss is estimated at several thousand dollars.



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No Night Fireman Required
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SELF-FEEDING HOT WATER BOILERS.

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The Most Economical Type of Boiler
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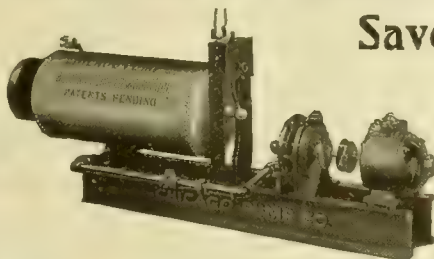
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Hangers, Shelf Brackets and Bench
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Chicago Pump Co.'s System of Intermittent Vacuum Heating Saves 20 to 50% Coal



Pulls water and air out of the
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Montreal.

Christmas business this year was good. It is confidently estimated that the increase in sales amounted to fully 35 per cent, but the plants and flowers sold will not quite reach that advance, 25 per cent being about the right figure, the difference being in the increased price of the stock which in some cases amounted to almost double what they brought some years ago. Poinsettias in pot plants easily took first place, azaleas next, cyclamen, Primula Obconica, Begonia Gloire de Lorraine and Glory of Cincinnati and a nice lot of tulips in pans sold well. Altogether there hardly was a good flowering plant left unsold. Cut flowers were more plentiful but the prices were high. There was a splendid lot of greens which had a large sale.

NOTES.

Hall and Robinson's sales were a thousand dollars more than last year, which some years ago was considered the largest sales made by the leading stores for the entire Christmas week. Their plants were all home-grown, as were a large percentage of the cut flowers. They had an immense stock of poinsettias but all were sold except a very few.

The cut blooms from the St. Bruno Floral Co. were a superior lot, noticeably Richmond and Killarney roses. This company, encouraged by their success, is going to build an entirely new range of houses near St. Bruno Station where they have purchased a farm.

Rougemount, a concern operating a large range of houses for the forcing of vegetables, was sold at auction. A syndicate of Montreal financiers were the purchasers at a price which is said to be in the neighborhood of \$35,000.

At McKenna's, the largest store in town, everything was cleaned up except a few Boston ferns. Poinsettias were the first to be sold and azaleas next, and they had a splendid lot of both.

LUCK.

Salt Lake City.

The holiday rush is over and the florists all seem to be glad of it. Cut flowers sold well and at good prices. There was not near enough local stock and quantities of cut flowers were shipped in, arriving in a remarkably good condition, which is very unusual for Salt Lake at holiday times. We have to ship our stock from a long distance when our home production is exhausted, some coming from Chicago, but the majority from Colorado points and Council Bluffs, Iowa. There was an increase in the call for blooming plants, especially azaleas, and good call for lily of the valley in pans. The weather being cloudy the cut of carnations and roses was very light. Holly and greens sold fairly well, most of the green business being done by the grocery-men and fakers, the florists only handling a few cases each to accommodate their best customers.

NOTES.

The Gens Floral Co. retired from the florist business January 1. Mr. and Mrs. Gens have worked faithfully at the retail florist business in this city for nearly six years. Their success was a surprise to some of the florists here, as the flower business was new to them, neither of them having had any previous experience. They have maintained the highest-priced store in the best location in the city and they are leaving this city with the good will of their competitors and customers. They will spend some time in traveling before locating again.

UINTA.

BAY CITY, MICH.—The Wm. Roethke Floral Co. states that from all indications the Bay City branch of their business has experienced the best Christmas trade in its history in every way.

The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

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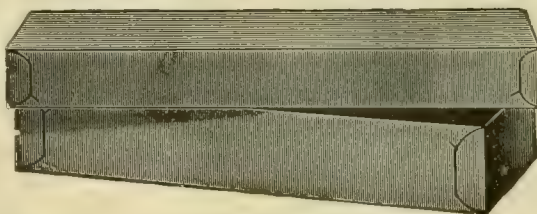
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Pint.....	\$ 1.50
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Pure—dry—uniform and reliable.
The best of all manures for the
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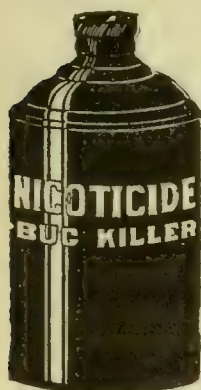
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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
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Kills Green Fly, Aphides, Bark Lice,
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FLUSHING, N. Y.Approved by the New York State Agricul-
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are easy to kill with
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Satisfaction guaranteed or money back;
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Treat your
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Use Sunlight Sash and be first on the market

Get the benefit of the big prices. Use Sunlight Double Glass Sash—
see how much faster your plants grow—how much larger the crops!

The double layer of glass does it.

Between the two layers of glass is a 1/2
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Glass is held in place without putty. Can't
work loose, easily replaced.

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THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write
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The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from
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American Florist Co.,

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Pasadena, Calif.

NEW YEAR'S ROSE TOURNAMENT.

The New Year's pageant of flowers, held January 2, was one of the most magnificent spectacles imaginable. The "Crown City" is beautiful at all times, but on this lovely January morning under a blue sky with a faint breeze from the nearby orange groves laden with their delicate perfume, and the sun shining warm and bright, the setting for the really splendid show was absolutely perfect. The streets were lined with palm fronds and bunting, almost every building being elaborately trimmed with asparagus plumosus, Cherokee roses, pepper boughs and orange branches laden with fruit. The Queen of the Tournament (Miss Ruth Palmer) rode in an exquisitely built barge, drawn, apparently, by a large swan of white roses attached by ropes of smilax, a most beautiful conceit. The number of floats, automobiles and other decorated vehicles numbered over 100, and in richness of design and decoration left nothing to be desired. To mention a little of them would take far too much space, but a few of the most striking may well have notice.

The South Pasadena Magnet float was very attractive and was supposed to be symbolic of the drawing powers of the lovely spot. The magnet was made of 20,000 white roses and an immense number of scarlet geraniums. The base was of flaming poinsettias and was drawn by six coal-black horses with blankets and collars of scarlet flowers. Fifty thousand violets and chrysanthemums were used in the Realty float by the chamber of commerce, the golden yellow chrysanthemums rising in the form of an immense sun from a cloud of blue violets. The Covina city float, representing the orange packing industry, was a marvel of detail, perfectly carried out, and applauding sightseers were rewarded by oranges tossed from the float by attendants. Thousands of the golden fruits were thrown out all along the line of march as a New Year's gift from this thriving center of orange culture. Another float from the citrus country was entered by the Azusa chamber of commerce. Against a background of snow-capped mountains, fruit bearing oranges a cascade of water and a horn of plenty typified the need of water to produce this luscious fruit.

The Japanese American Association of Pasadena had a characteristic float with a typical Japanese garden worked out in perfect detail. Dwarfed trees, rustic bridges, a bamboo arbor covered with wisteria and running water were among the details and quaint little Japanese children, daughters of prominent members of the association, lent the touch of life that alone was needed to perfect this elegant entry. Bells of sweet peas, to "ring out the old, ring in the new" year were suspended on the Raymond hotel float and swung to and fro as the procession moved along. This alone was worth a journey to the "Crown City." Other fine entries were from the steamship Morehead, Cleopatra's barge with thousands of violets papyrus and ferns with a canopy of daffodils, the fire department exhibits and the beautiful float from the Hotel Maryland. In short, the whole spectacle from first to last was a magnificent success in every way. H. R. R.

PHILADELPHIA, PA.—George Snyder is erecting a greenhouse on Fourth street.

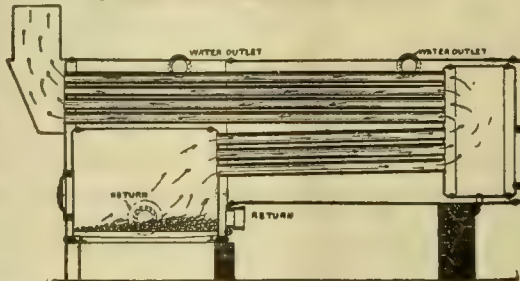
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contains more heating surface, and less water space than any other steel boiler.

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Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (35 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

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We Manufacture the best Glass made for greenhouse purposes. If your dealer does not have our brand, write us. All our goods are "Hand Made."

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Vol. XXXV.

CHICAGO AND NEW YORK, JANUARY 21, 1911.

No. 1181

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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F. KASTING, Buffalo, N. Y., Treas. Adjourned
meeting at Boston, Mass., March 31-April 1.

Second National Flower Show, Boston, Mass.,
March 25-April 1, 1911. Chester I. Campbell,
Manager, 5 Park square, Boston, Mass.

Annual Convention at Baltimore, Md., August,
1911.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunc-
tion with the St. Louis Horticultural Society, St.
Louis, Mo., November, 1911. ELMER D. SMITH,
Adrian, Mich., President. C. W. JOHNSON,
Morgan Park, Ill., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at
Boston Mass., March 29-30, 1911. FRED BURKI,
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-
eight St. and Senate Ave., Indianapolis, Ind.,
Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston,
March 27-28, 1911. WM. H. ELLIOTT, Brighton,
Mass., President; A. FARENWALD, Roslyn, Pa.,
Vice President; BENJAMIN HAMMOND, Fishkill-
on-Hudson N. Y., Secretary.

Our Supplements

Subscribers should see that they get copies of
the fine supplementary illustrations showing
high grade design and decorative work. These
fine supplements should be carefully pre-
served, as they mean much to the retail florists
in dealing with their customers, illustrating as
they do the various kinds of work that the
everyday florist is called upon to perform.

The papers in which the supplements appear
should be likewise preserved, as they contain
much valuable data with regard to these special
illustrations. Subscribers should see that they
get every issue as otherwise they may miss
some of this high grade work.

GREENHOUSER'S OBSERVATIONS

Correct Atmosphere.

If there is one single point that the
average greenhouse grower falls down
on more frequently than any other
it is that of providing a correctly bal-
anced atmosphere in the houses. Air,
light, heat and moisture are all rela-
tively important and when any one
is neglected or in such over-supply as
to upset a proper balance then some-
thing is going to suffer. A correct at-
mosphere is not easy to define and
what is proper and right for one class
of plants is wrong for another—what
is right at one time of the year is
wrong in another and what is correct
in winter in California would be a long
way out in Indiana or Illinois. Look
out for that grower who has a set
formula for all and every occasion.
It is in the meeting of varied condi-
tions that arise, in looking ahead and
arranging for contingencies that the
successful grower differs from the
mediocre. This question of atmos-
phere was brought very closely to our
attention recently when speaking to
a grower who had not much personal
experience in orchid-growing but who
had listened to a "multitude of coun-
sellors." One had advised him to lay
out money in shallow iron tanks to
place under the stages, filled with
water, to replenish the moisture in
the air; another had shown him a new
method of planting orchids to save
the trouble of potting; instructions as
to watering and withholding water at
various times, shading and ventilating
at stated hours and many others equal-
ly well meant and given. But none
of these advisers thought it necessary
to remind him to keep up a correct
temperature in the houses, an atmos-
phere that makes one feel, directly
they enter, that the plants are, or
ought to be, enjoying life.

Atmosphere for Roses.

Again a rose grower was troubled
with thrips. All kinds of learned and
unlearned discussions as to the various
attributes of cayenne pepper, nicotine
preparations, cyanide fumigations and
others were indulged in and one after
the other recommended but none ad-
vised the moistening of dry, dusty cor-

ners in the houses and the mainte-
nance of an atmosphere in which the
plants would thrive and the thrips be
uncomfortable. But it is an important
point, brother growers, this suiting of
the atmospheric conditions to the needs
of the plants grown. No one with an
atom of practical greenhouse sense
would advise the same amount of mois-
ture in a rose house in the afternoon
as he would in an orchid house or the
same amount of heat in forcing a
house of lilies in the early stages as
a house of crotons. Circumstances
alter cases here as everywhere and
that is where the grower who thinks
ahead and who looks before he leaps
and suits the atmosphere of his houses
to the conditions of his plants will al-
ways score over the one-idea, rule-of-
thumb grower who has a set rule for
all and every occasion.

Plants With Fragrance.

Fragrant flowers are always accept-
able and there are very few so sweet-
ly scented as those of the Japanese or
Chinese osmanthus, (*O. fragrans*). If
there is a plant of this almost hardy
shrub in a greenhouse with only one
or two of its pretty little creamy white
flowers open it will be noticed directly
one enters. Its fragrance is like that
of *Boronia megastigma*, sweeter but
not so heavy as that of freesias, and
anyone with a retail store who grows
part of his own stock would probably
be able to sell a few plants of it at
a good price and also recommend it
as an easily-grown subject for the
house or window. *O. fragrans* is also
known as *Olea fragrans* but is so dis-
tinct from the olives generally that
osmanthus seems a more suitable
name. The plant is easily propagated
by cuttings made from the semi-rip-
ened wood in a frame or cool green-
house temperature and at no season of
the year is any great heat required,
it being, as mentioned above, almost
hardy. A peaty compost and firm pot-
ting are to its liking and frequent
spraying while in active growth will
keep insects in check. And speaking
of fragrance, how many people now
ever think of or grow the old *Diosma
ericoides*? The flowers are nothing to
boast of but the plant when sprayed

or rubbed slightly in passing emits a most delightful odor. It is like a heath in habit, hence the specific name and is easily grown in a cool greenhouse.

The Trash Pile.

A big trash pile usually denotes a progressive florist but the trash pile should be outside the greenhouses, not inside. Some people have a perfect mania for keeping all kinds of plants around that never will and never can pay for the room taken up. Out of a batch of lilies there is almost always a certain number of diseased plants and these are usually quite easily seen soon after the growth starts. Throw them out at once. They are absolutely useless and never will pay one cent for time and water. Again after forcing azaleas there are often some plants left over. If there were a hundred or two and they had been properly potted instead of being just rammed into the pots any old way, as is usual, then it might pay to look after them and hold them over another year, but when there are only a few plants they will be an eyesore all the year and will not at the end of that time be worth the 40 or 50 cents that a good new plant will cost. For it must be remembered that we don't grow hyacinth bulbs; they are simply brought here ready to flower and after flowering, practically all are thrown away.

Another section of the indoor trash pile is often devoted to rose plants that for some reason or another were not planted in due season. The grower does not throw them away, thinking that in some unaccountable way they are going to be used some day. But they never are and they are kept kicking about all summer and all winter until rose-propagating time comes around again. Then when the best part of a year has been wasted on them the grower at last decides that they will not be needed and out they go, having meanwhile bred enough red spider or thrips to stock an acre of glass. Rubbish has been described as "useful material in the wrong place," an apt definition, for all this kind of trash, rotted down, burnt, or otherwise disposed of, has a certain value, but keep it out of the greenhouses until it has been so treated. To be a financial success every available inch of space must be utilized for something that is all the time growing into money—there should be no out-of-the-way corners for cripples and has-beens.

GREENHOUSER.

Use of Basement.

ED. AMERICAN FLORIST:

I have a basement 13x40 feet and six feet high, light and dry. Can I make use of it for anything except mushrooms. BILL.

The basement can, of course, be used for storage, but the question is not very clear and if it is meant to inquire whether the basement can be used for growing anything would say that this is hardly probable, but if the basement can be kept very cool it will make an ideal place to keep the bulbs after they have become well rooted until they are brought up into the greenhouses. W.

KOKOMO, IND.—W. W. Coles has his finely equipped floral establishment here up for sale, the cause being family health troubles which compel removal southward. Mr. Coles plans locating near Houston, Texas, when he disposes of his property in this city.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Cross.

SEE SUPPLEMENT WITH THIS ISSUE.

The cross as a floral design for funeral work has always been popular with many people and is arranged either to lie flat, reclining or standing upon a base. All three designs are capable of elaboration but the standing cross and base can be arranged in large sizes and with the most expensive flowers, making it a very highly finished product of the designer and a costly offering. While the frame should be adhered closely enough to not to lose the form of the cross, yet compact work is no longer in vogue with the better designers and the large standing crosses can be made very lovely and with much longer-stemmed flowers, making the work much more artistic



Wreath of White Killarney Roses on Easel.

Arranged by Young & Nugent, New York.

and still at the same time preserving the form enough to make it plain to the hurried observer what the design is intended to represent. The cross may be made of all the different light colored flowers in their season and with several kinds artistically arranged or of any of the nicer flowers exclusively. Crosses of roses are often designed with adiantum or other handsome greens to properly finish them and orchids and lily of the valley are used in the finest work. The many different handsome varieties of foliage are also often used, as well as the galax, ivy and other greens, but to make these arrangements handsome, some select and expensive flowers should be used, either in the shape of garlands hanging from the arms of the cross or in well arranged sprays on the face, which will greatly relieve the sameness and add to the artistic effect. The base of the standing cross gives the designer an opportunity to prove his ability, for here the form need not be followed at all and the personal taste has full sway in developing a very

handsome piece of work. Long-stemmed roses, lilies, callas or any of the large, prominent and select flowers can be most artistically arranged in these foundations for the cross. A very effective background for the base is made of the fronds of cycas, which can now be procured, and they add very materially to the makeup. It is not necessary to adhere to the mound form for it is often much more effective to have one side of the base at the back built much higher than the rest, gradually sloping toward the front and the other side made a little lower in order to obtain the proper balance. These features all depend upon the artistic ability of the designer and present an opportunity for the best thought and labor. The design which is so beautifully illustrated in the supplement accompanying this issue is an example of the way in which a design of this kind can be arranged, the cross is of galax with sprays of lily of the valley and the base of lilies and asparagus and leucothæ sprays.

January Flowers in Chicago Retail Stores.

The usual after-holiday conditions prevail in the retail stores but the mid-winter trade has held up well and a very satisfactory business has been enjoyed since the advent of the year. There has been an unusual amount of funeral work, much of which has been elaborate and expensive, and weddings, coming-out parties, banquets and receptions have kept things very busy. The stores are all very attractive and an extensive line of seasonable stock is to be found on all the counters and in the refrigerators and window displays.

The beautiful roses claim first attention and are to be found the great feature at all the stores. American Beauty is, of course, the leader and superb blooms are to be seen and its popularity with the buyers is increasing every year. Killarney and My Maryland are beautiful as are the Mrs. Jardine, White Killarney and the brilliant Richmond Perle des Jardin is still the best yellow but Sunrise is very well liked for some purposes. The carnation is as great a favorite as ever and the blooms are of excellent quality. The varieties seen at the stores are numerous, Enchantress being the most popular. The novelties are taking well especially Dorothy Gordon. The sale of the red varieties drops off after the holidays and there is scarcely any call for the crimson. Violets seem to be losing ground, though quantities of both the double and single varieties are still handled. The production of so many other attractive flowers for corsage work and personal adornment have replaced this once popular flower. Orchids can now be procured in quantity and in beautiful variety. Cattleyas, oncidiums, lælias, dendrobiums and cypripediums are to be seen, but the cattleyas have the call, and the demand for this most exquisite flower is increasing. Sweet peas in white pink and lavender are in fine shape and these sweet flowers give a touch of summer to the different spots where they are shown. Lily of the valley, that is so delicate and beautiful, touch up the window displays and the other places where seen. The immaculate lilies make a most beautiful showing and the finest of the large showy flowers procurable at this time

of the year. The bulbous flowers are beginning to make their appearance both tulips and narcissus being seen and the yellow trumpets are a welcome and bright addition during the short dark days. Among the other flowers shown are marguerites, lilacs, bouvardias, antirrhinums, pansies, lupines, Paper White narcissus and Roman hyacinths which all have their place in the great midwinter display.

At Muir's, on the south side, beside the usual grand display of roses, carnations and the full line of seasonable stock, were seen many of the exotics procurable during the mid-winter season, and a novelty in the shape of a very delicate lupin was noticed. The usual fine stock of lily of the valley was on show, and a trip through the greenhouses saw the pips producing their flowers. A very fine trade is being enjoyed and business has held up well ever since the holidays. Plant trade has been good and a large number of funeral designs have been arranged. The greenhouses are being rapidly transformed from the Christmas display to Easter, and a fine lot of plants is being started for the latter date. The new Studebaker auto-delivery car, which is the pride of W. J. Smyth, has been in active use since Christmas, for a very fine trade has been in progress all the year. The usual high-grade stock which this store always carries was on display, and a novelty that is meeting with much favor is the new Japanese basketware, filled with small ferneries. It is very handsome and having a good sale.

Orchids are lavishly displayed and being received with much favor by the trade enjoyed by C. A. Samuelson, and a very fine assortment was shown, both in the window and on the counter in the store. A very handsome plant of *Cattleya trianae* bearing 15 magnificent blooms was an attractive centerpiece in the window, which was greatly admired by the passersby and everyone stopped to look upon the beautiful specimens. The demand for these exotics is increasing every year, states the proprietor, and as the prices have now reached a place where the trade feels that they can afford them and a more constant supply assures them that they can be obtained, the sales increase which is an indication of a tendency for the best that the market affords. A grand display of roses and other seasonable stock was noted, including some very nice Trumpet major narcissus. John Mangel always has an attractive store and his windows arranged to draw the attention of the customer. Violets are always a pronounced feature as well as the finest roses upon the market. The display of orchids in the window this week was very beautifully presented, the blooms being arranged upon branches of cork placed in a tree form, making a very natural as well as artistic effect. Banquets and funeral work have kept all hands busy, some very elaborate casket covers having been arranged and a dinner at the Blackstone this week called for a large amount of flowers. Decorations and banquets following each other through the month at hotels, clubs and halls, as well as a liberal demand for fine funeral work have kept things humming at Strail & Hahn's and an exceptional good business is being enjoyed.

The beautiful store of Fleischmann was resplendent with the finest roses,

sweet peas and exotics, and trade is exceptionally good for the season, this firm receiving its full share of the society's functions. The beautiful corsages of violets, orchids and other flowers which are so artistically arranged and finished at this store are greatly appreciated by their customers. Gardenias are finding favor. A fine line of this increasingly popular flower is always on hand. Canger & Gormley have been very busy since the coming in of the year with fine weddings, receptions and funeral work. An elaborate wedding decoration last week which called for a large amount of stock and material made then the recipients of much praise by those who were fortunate enough to enjoy the privilege of seeing it.

An extensive display of all the seasonable flowers was seen at Lange's and of a great variety. The stock is of the finest quality and embraces everything the market affords from exotics like orchids and gardenias to sweet peas, marguerites and daffodils. The popular dollar box is taking well at this store with good demand. Bohannon as usual is well equipped with the finest in the market which is always attractively shown. The case of orchids beside the door is a very taking feature and catches the attention of the customer upon entering. Debutante's receptions and dinner parties are keeping everyone busy at the E. Wienhoeber Co. and a beautiful line of roses of the finest quality and other high grade stock is on hand. Orchids are lavishly displayed and used, and the plants in the houses are now bearing very handsome blooms of these interesting flowers. Some very beautiful freesia was noted and nicely grown tulips in attractive receptacles. An extensive line of the finest stock was seen at Friedman's in both stores which was very attractively shown, including roses, orchids, gardenias and other seasonable flowers.

January Flowers in New York Stores.

Some of the world's most famous writers have been inspired to soar to the highest point of perfection in word painting through the influence and admiration of flowers. One, the greatest of all writers, said: "If a man love not flowers, dread him." Another compared his love to a "red, red rose, newly sprung in June;" in fact almost every flower known has been the theme of song by some inspired writer.

It is in their native surroundings, however, that flowers have been so worshipped and adored by the great poets, for we have yet to learn that any gems of thought, either prose or poetry, have been inspired by flowers when seen out of their natural season. Isn't it deplorable that some master mind does not take up the subject of our January flowers and immortalize them! What a range of subjects would we have! How easy he could find them. A two-hour run in a "Taxi," visiting our retail stores would show him a better and more complete collection of beautiful flowers than could be obtained by making a trip around the world.

That may seem a large statement but come with us among the stores during this cold, raw, January day, and you will be convinced that this is our real season for flowers, nowhere else can you find such an aggregation of blossoms.

Here are roses, perfect in their color, fragrance, and their other attributes, with stems anywhere in length from 12 inches up to five feet, and every color known to the family almost, represented. American Beauty is the favorite in red, though Richmond is used in large quantities and, being more prolific, it can be had at less cost. In pink colors, Killarney is the choice at this particular time of the year, closely followed by My Maryland, Bridesmaid and Mrs. Jardine. White Killarney and The Bride are the white sorts mostly seen and the yellow and orange shades are shown in Sunrise, Perle's and Deegan's and a few newer varieties.

The varieties of carnations are too numerous to mention them all, but the most popular, that is, those seemingly handled in the largest numbers are Enchantress, white, pink, and rose pink; Pink Delight, Winsor, White Perfection, Mrs. C. W. Ward, Beacon, Victory, Harlowarden and Mrs. M. A. Patten, all of these seem to be favorites in their respective colors and, there may be others. Orchids are well represented. There are cattleyas trianae, Schroderi and Percivalliana; cypripedium insigne and its varieties; oncidiums and laelias in variety, dendrobiums and calanthes, a selection of choice morsels that would please the most fastidious taste.

Then see what a wealth of miscellaneous flowers there are: gardenias, so white and what a penetrating odor they carry; violets, single and double, white and purple, and sweet enough to be intoxicating almost; Lily of the valley, without some of which no bridal bouquet is complete; Sweet peas, white, pink and lavender; wall flowers, reminders of grandmother's garden, and their own sweet and peculiar fragrance; mignonette, the only flower that seems to blend with the so-called green orchids, cypripediums; narcissus, white and yellow; tulips, white, pink, red and yellow; Roman hyacinths, so pure in color and so spring-like in their fragrance; lupins, another reminder of colonial gardens; marguerites, white and yellow, Goethe's immortalized flower; lilac; lilies, white and pink; freesias; bouvardia; stocks; stevia, marigolds; antirrhinum in variety, and last though not least, the famous bird of paradise, strelitzia.

These are some of the flowers seen in New York stores in January. What a wealth of material it is. When we consider the artistic minds of those who are arranging and disposing of them, when we see the minuteness of detail that is gone into in order to make every flower show to the best advantage, we appreciate the fact that for excellence and variety of material and for skilled artistic ability in arrangement, New York holds first place.

Victoria Trickeri Seed.

ED. AMERICAN FLORIST:

I have about 200 seeds of Victoria Trickeri. Will some one please tell me how to keep them until February when they will be seeded? I am keeping them in water at present time at 65°.

SUBSCRIBER.

Victoria seeds should be kept in water, either a wide necked bottle or jar, the temperature ranging between 60° and 65°, and preferably in the dark or shade.

W. T.

SAVANNA, ILL.—S. Y. Lambert's place burned out December 28.

PEOPLE WE KNOW.

Ralph M. Ward.

Good telegraph operators generally make good business men. In the earlier days, especially, it was considered an excellent training and many of our best men today have made their way through the operator's chair. One of the most efficient operators known in the 70's was a chief train dispatcher for a western railroad out in Iowa. He was a congenial young man, had many friends and was prosperous. One Christmas day he married a beautiful girl, the daughter of one of the pioneer families of the state. The honeymoon lasted a while and then they settled down in a little home in Marshalltown, Iowa, just opposite the present site of Kemble's greenhouses. In 1879 a son was born and they called him Ralph—just why he never knew. He was a sickly child and if there was any sickness in town he got it. In 1881 another son came to them and they named him Charles. Now Charles was also his father's name and when it came to dealing out middle names, Ralph being mamma's boy and Charles papa's boy, it was decided to make it Charles Wayne, but as this combination made a "Jr." in the family (his father's initials being C. W.) and not wishing to burden him with that second-hand title nor call him by number, the name Wayne was the popular premoner.

It was a happy family, this combination of four, and things went well until Ralph picked up a good dose of diphtheria one day en route to school, which cast a gloom over the home for several months, but finally he came to, and got well. About this time the family moved to California, locating at Los Angeles, where they built a home. The boys continued to go to school and do things all boys do, until in 1887 their mother took sick and they moved back to Iowa, where she died shortly after. This, of course, broke up the little family, the father's sister taking Wayne and the mother's parents taking Ralph.

Now Ralph was brought up along the banks of the Mississippi at Davenport, Iowa, until 1898—eleven years, and during that time attended the public schools, business college and studied law in the offices of two prominent attorneys. He was just a plain, freckle-faced, happy-go-lucky kid commonly called "Dad." Finally, at the age of 19, he began to do some thinking. He had no money and prospects did not seem very bright, so he wrote his father, who was then in Philadelphia, that he was determined to leave Davenport. His father sent him money and after bundling in an old trunk his worldly possessions, consisting chiefly of books and little trinkets highly prized, he left town one night at midnight for Chicago. Chicago did not tempt him long and after dicker-ing one day with a cut-rate ticket broker on Clark street he secured a ticket over the B. & O. railway for New York, since it cost less for a ticket there than to Philadelphia, where he wanted to go. When the train reached the Quaker City that place of brotherly love was in receipt of a lad looking for a job.

The first job was with a grocery house, sweeping the floor, slinging flour, paring cheese and relieving the lit-

tle Jewish cashier girl at noon hour. It lasted three weeks. What he wanted was a position in a law office, but he found so many lawyers long in the business working for so little, it discouraged him. He then took a position with the firm just organized, Messrs. Hagemann & Meyer, importers and exporters of bicycles, typewriters, Harrisii and lily of the valley pips. The salary was \$5 per week, which paid for board, laundry and left a little besides. He walked home to save money. This was in October, 1898. The next year the firm moved to New York and after some deliberation decided to take Ralph along with the furniture. So it was in June, 1899, that Wm. Hagemann, Chas. F. Meyer and Ralph M. Ward moved from the little six by ten office on South Third street to the new and larger one in Dey street in the great city of New York.

Business grew and prospered, but owing to certain conditions being



Ralph M. Ward.

brought about the firm of Hagemann & Meyer was dissolved and the firm of Wm. Hagemann & Co. was established by Wm. Hagemann and Ralph M. Ward in 1902. A year later Mr. Ward withdrew from the firm and started in business for himself at 17 Battery place, under the name of Ralph M. Ward & Co.

At first it was hard lines, trips abroad being frequent and expensive, and sales, of course, very moderate at the start. The business grew, however, owing to hard work and lots of it, persistency, square dealing and by the aid of good and faithful employees, until today it is the largest business of its kind in the world. While Mr. Ward is the sole owner of the business, he is only a part of the organization. The business is conducted on good principles, is open and above-board and every man is recognized as a vital part of it. The foreign connections are of the highest order, having been secured after much foreign traveling and thorough investigation. Incidentally Mr. Ward is now 31 years of age, married, and has one daughter; resides principally at Bound Brook, N. J., 35 miles from New York, where he has an elegant home; is a 32d de-

gree Mason, member of the Railroad Club of New York and the Meadowbrook Country Club, an alderman, director of a bank, and is interested in various business enterprises.

THE PLANTSMAN.

Rose Propagation.

The propagation of the rose stock if not already in progress should be started at once. A bench where the heat in the sand can be maintained at 65° to 70° is the first necessity, and the piping should be enclosed in such a manner that should the heat rise above this point the enclosure can be opened and allow the excess heat to escape. The bench should be thoroughly cleaned and given a good coat of whitewash, with which has been mixed a little sulphur. Procure some good sharp sand, not too fine, and sift it through a quarter-inch mesh screen and place about three to four inches of this in the bench and make perfectly level. If the sand is dry it should be well watered and after allowing the water to soak in packed very hard and solid. The depth of the sand should be at least three inches after it is packed down. Thermometers should be placed in the sand to ascertain whether the right temperature is maintained. The small dairy thermometers are very quick to note any change in temperature and very moderate in price. For cuttings select nothing but healthy wood of good color, using two-eye cuttings with the bottom cut just below the eye. These will need no trimming except to remove the bottom leaf, allowing the leaf on the top eye to remain. Take a flat stick about 1½ inches wide and one-half inch thick, as long as the bench is wide and laying flat on the sand draw a knife through the sand reaching nearly to the bottom. Insert the cuttings about 1½ inches apart in this cut in the sand, care being taken that the leaves do not overlap. The sand should then be pressed firmly around each cutting and the bench thoroughly watered. The temperature of the house should be at 56° to 58°, and in ventilating allow no draught to strike the cuttings. Under these conditions the cuttings should root in from three to four weeks.

Genistas.

This plant, botanically a cytisus, yet widely known to the trade as a genista, is a valuable spring blooming plant especially at Easter, when its sweet yellow flowers are very attractive. This plant belongs to the brooms and should never be subjected to heat but grown in a cold light house in a temperature of from 40° to 45°, where they will never lose their foliage and hold the flowers better. These plants lend themselves to trimming and training very easily and some of the plantmen have them in various forms, pyramids, balls and even in the shape of baskets with the long shoots arched over for handles. These are very effective and bring remunerative values. The older varieties were very apt to drop their blooms but there are new varieties that when in bloom are a mass of yellow flowers. If large plants are desired it is time to begin propagation; in fact, some that grow the larger plants propagate in the fall. The last of the pinching back should be done now, for if carried on



PHALÆNOPSIS AT J. A. CARBONE'S, BERKELEY, CALIF.

much longer the flowering wood will be taken off and only the long growths should be cut back later, and the center shoot pinched out of these.

Hybrid Roses.

Very fine plants for Easter or the spring sales are the hybrid perpetual roses in pots, and they are very easily grown. Dormant stock potted in 6-inch pots in January and grown cool should be in bloom the middle of April. The plants should be potted very firmly in good compost. The canes cut back to two eyes and all the small wood cut out. They should then be placed in a cool house with a night temperature of 40° and the canes frequently syringed in order to soften the old wood and open the dormant eyes. If started early they will need no forcing at all and the blooms will be much better grown in the cool temperature. The varieties that force the easiest are Baroness Rothschild, General Jacqueminot, John Hopper, Mdle. Gabriel Luizet, Magna Charta, Mrs. John Laing and Ulrich Brummer. They will probably need a little feeding after the buds have set, when a watering of weak liquid manure once a week will increase the size of the flower. A little soot added to the manure water will brighten the color of the flower and add a lustre to the foliage.

Poinsettias.

The stock of poinsettias left after the holidays should all be allowed to dry off gradually until the wood ripens and then be stored away. The plants that are in pots can be placed in a good sunny corner close together and watered occasionally, gradually decreasing the supply until all the leaves drop off and the wood hardens. The top

will probably die back if it has not been cut off. The plants can then be placed under a bench in a carnation house, the pots being laid on their sides so that any drip from the bench may not wet the soil. Select as dry a position as possible, for the plants should not be watered until wanted for propagation in the spring. The plants in the beds should also be gradually ripened off and when they have lost their foliage and the wood thoroughly ripened, lifted and planted close together in flats and placed in quarters similar to those in which the pots are placed.

Centaurea Gymnocarpa.

This splendid bedding plant with its silvery fern-like foliage, known as Dusty Miller, is very useful both for edging flower beds and in baskets or vases of mixed bedding plants. While the true Dusty Miller is *Centaurea candidissima* which is a very slow grower and the seed sown in late fall, yet *C. gymnocarpa* being the more rapid grower and more showy plant, is more widely grown and better known. To procure nice plants seed should be sown now and as soon as large enough the young plants pricked off and potted in 2½-inch pots and grown in a low temperature where they will make fine stocky plants for the spring sales.

WAKEFIELD, KANS.—P. R. Walter states that the Christmas trade was good and that the supply of flowers was short, not near enough to go around. A new house 20x100 feet has been erected. On January 13 a severe thunder and lightning storm, with the thermometer at 10° above zero, accompanied by a heavy fall of sleet, was experienced. The first rain or snow that has fallen since September 3.

ORCHID NOTES.

Phalaenopsis.

While at present all other classes of orchids have to give way to cattleyas for commercial supremacy there are others that enjoy considerable popularity, and among these the moth orchids or phalaenopsis take a high place. For bridal or corsage bouquets, boutonnieres, table decorations and for many other uses these orchids are even superior to cattleyas and there is every probability that, as people of taste and means become better acquainted with their beauty and long lasting qualities, they will be much more sought. Even now a house of plants in good health is good property and especially in southern and southwestern points where their culture is far easier than in the east or the middle west. There is nothing in the whole range of orchid flowers more beautiful than those of *P. Schilleriana* or more chaste and lovely than those of *P. amabilis*, both of which are described below, while many of the smaller and rarer species are exquisitely beautiful though not so well suited as the above for commercial purposes as cut flowers.

The culture of phalaenopsis is not difficult though it must be admitted a greater degree of care is needed than with cattleyas. It is not perhaps so much a matter of growing the leaves as of conserving them after they are grown. Many a fine specimen has been reared with large healthy leaves that looked like success only to be lost again during a dark, dull spell in winter. Again in cities where heavy fogs are frequent the flowers are very apt to wilt and be lost either before opening or as soon as open, while the alkali

in some waters is highly deleterious, especially if used over the foliage. But while this sounds like a formidable list there is really nothing to hinder a skilled and careful grower from being successful with these beautiful plants.

For choice we would recommend a span roofed house of rather flat pitch running north and south and fitted with lath or linen shades. The minimum night temperature should be 68° to 70° with a reasonable amount of atmospheric moisture at all times. Rest, as usually understood in orchid culture, is not necessary for phalaenopsis, for although there is a slackening of growth in winter, nothing like drying off as practiced with dendrobiums, calanthes and deciduous species generally should be allowed. The growing season may be said to last at least nine or ten months while even in the middle of winter there is more or less root action always going on. In February or March, according to location, the plants will usually begin to grow more or less and a brisk, moist temperature rising from 70° at night to well up in the eighties by day with sun heat should be maintained. This should be kept up all through the growing season and shading provided just as soon as the foliage of the plants feels hot to the hand of a person who has been in the house for some time. The time for shading varies so much in different localities that nothing like definite rules can be laid down. Here in southern California we had to shade our plants of phalaenopsis during the shortest day in the year but there is a difference for instance in "lovely Los Angeles" and "chilly Chicago" in December. But everywhere and at all times shade only as long as there is danger of the sun burning the foliage.

While we have grown these moth orchids in all kinds of receptacles there is nothing we believe so suitable as the long cylindrical shaped basket of teak. If sphagnum moss can be obtained fresh with live green points, there is we believe no better material for the roots, but the ordinary dry or dead sphagnum is bad for any orchids and especially for these supersensitive species. A far better material is the ordinary osmunda fiber or peat, as it is termed, consisting of fern root from which most of the earthy and sandy particles have been removed by sifting and beating. We formerly used and recommended charcoal for mixing with orchid composts but have long given up its use and are convinced that the roots are healthier and live longer on the ordinary broken pots or "crock" than on the burnt wood. When replanting see that the plants are fixed so firmly that they cannot possibly rock about or they will never become properly established.

In northern latitudes it is necessary in order to prepare the plants for the long cold winters to consolidate the leaves as much as possible by admitting as much sun and air as possible during the late summer months. This prevents loss by the leaves giving way at the axils and falling, not perhaps during the winter but in early spring when growth again becomes active. As to water growers will do well to keep in mind that a well moistened atmosphere is far more likely to lead to good results than a wet condition of roots and leaves. Phalaenopsis generally do not relish overhead watering and beyond an occasional spraying overhead to remove any dust that may have ac-

cumulated or to replenish the atmospheric moisture on a very hot day the syringe or hose should be kept away from the leaves. This is especially true of *P. Schilleriana* and others with marbled or ornamental foliage. Water the roots in accordance with the state of growth. When growing freely water freely but when the plants are inclined to rest diminish the supply. Insects are not usually troublesome and may be kept under by ordinary care and diligence. The following are among the finest species in the genus and will make an interesting and beautiful collection:

P. amabilis is the type of the genus and the species on which it was founded by Blume. It has large green



Geranium H. Plath.
Raised by Richard Diemer, Colma, Calif.

leaves and its flower spikes occur from the base of these. Sometimes they are erect, sometimes pendulous or arching and the beautiful flowers are three to four inches across, pure white with a few red lines about the lip and column. It should be noted in connection with the spikes of this and some other species that they frequently branch out after the first flowers are over and produce secondary spikes. Consequently when cutting the flowers remove as little of the spike as pos-



Geranium Seedling No. 8.
Raised by Richard Diemer, Colma, Calif.

sible. Cut just above one of the sheathed joints when it will probably flower again. *P. amabilis aurea* has considerable yellow markings about the lip.

P. Aphrodite is very similar in general appearance to *P. amabilis* and is often sent out as that species. It has a differently shaped lip and the foliage is a deep purple shade beneath and very glossy green above. This is also sent out under the name of *P. grandiflora*. *P. Dayana* and *P. gloriosa* are both forms of *P. Aphrodite* with more highly colored markings about the lip.

P. Esmeralda, though hardly to be recommended as a commercial orchid on account of its small size, is a very beautiful species with erect flower spikes bearing pretty little flowers that vary in color from amethyst purple to rosy white. It is quite distinct in habit and appearance from the larger species named and of a semi-deciduous nature, often losing many of its leaves in winter.

P. Lowii is not often seen in American collections and is purely deciduous, losing its leaves and forming no distichous stem. Its flowers are produced on slender arching stems and are usually white with a purple flush to the sepals and petals, the lip purple. It is a difficult plant to grow, liking considerable shade and plenty of moisture in the atmosphere. It grows naturally on lime stone rocks in Moulmein and some growers have been successful by using lime stone in the compost for it.

P. Luddemanniana has short, few flowered spikes of flowers, whitish heavily barred and streaked with chestnut brown. Some of the varieties are very rich looking and all are interesting from a collector's or a botanist's standpoint, but it is not worth growing commercially for cut flowers.

P. Mariea was named by its discoverer, the late F. W. Burbidge of Trinity College, Dublin, in compliment to his wife. He found it on the island of Sulu when traveling in search of rare plants for the famous firm of Veitch & Sons, Chelsea, England. It bears few flowered spikes; each bloom two inches in diameter, the color being yellowish or creamy white with bars of reddish brown and a stain of bright purple in the center. It likes a heavy shade while growing.

P. Sanderiana is a beautiful species or natural hybrid having the characteristics of a hybrid between *P. Aphrodite* and *P. Schilleriana*, the flowers being variable in color from almost pure white (alba) to light rosy pink on the upper sepals and petals. The foliage shows some marking but not so much as that of *P. Schilleriana*.

P. Schilleriana is one of the grandest orchids in cultivation. The lovely foliage alone would make it worth growing, an unusual circumstance in orchids, while the great, loose branching pinnacles of pink flowers are among the finest in the whole family and never fail to evoke admiration. Besides being the finest it is also probably the easiest to grow of all the moth orchids and one that should never be omitted, no matter how small the collection.

P. Stuartiana was discovered by Boxall, one of the collectors for the famous English firm now known as Stuart Low & Co., and named after its founder. It is a good deal like *P. Schilleriana* in habit and appearance but hardly as fine a plant. The flowers

occur on branching spikes, are whitish with purple dots and it is altogether a fine species.

P. violacea, though small, is a very lovely plant, not any value as a commercial cut flower but of great interest. It produces about three to five flowers on the erect spikes and these are singularly beautiful whitish with violet purple markings on the segments.

Besides the above species there is a number of beautiful hybrids, both natural and raised artificially by hybridists but, with few exceptions, these are too rare to be included among orchids for commercial cut flowers. *P. intermedia* is one of the best known of the natural hybrids and has also been raised artificially by crossing *P. Aphrodite* and *P. rosea*. H. R. R.



Geranium Dr. Lincoln Cothran.

Raised by Richard Diemer Colma, Calif.

New Seedling Geraniums.

For several years Richard Diemer of Colma, Calif., has been raising seedling geraniums and improving upon them until now he has a fine collection of named and unnamed varieties all showing fine sturdy habit and being of a most free-flowering nature. One of the finest is *H. Plath*, a cross between *Meteor* and *Queen Olga*. It is a single flower, the individual pips often from 2½ to 3 inches across, produced on bold, shapely trusses, the color being a bright, fiery scarlet, one of the finest in existence. Seedling No. 1 is remarkable for its great freedom of flowering. The flowers are a bright cherry red on the lower petals, the upper ones much darker, producing a pansy-like effect. Seedling No. 40 is a cross between *Snowdrop* and *Claire Albane*. It is a lovely thing with pure snow white flowers larger than those of either of its parents, and a most effective variety. This fine variety is very rare as yet, Mr. Diemer only possessing about a dozen plants. In Seedling No. 8 we have the largest individual flower of all, each pip measuring three inches across. The trusses are looser than those of *H. Plath* but very bold and striking. It is deeper in color, though raised from the same parents as the latter variety. Dr. Lin-



Geranium Seedling No. 1.

Raised by Richard Diemer, Colma, Calif.

coln Cothran is a beautiful flesh pink of magnificent habit and will be fine either as a bedder or pot plant. Its parents are *Beaute de Poitevine* and *Queen Olga*. This is a gem and is one of the many possessed by Mr. Diemer who has a large and interesting collection. H. R. R.

Illinois Horticulturists and Florists.

The convention of the Illinois Florists Association in conjunction with the Illinois State Horticultural Society and various other state Horticultural Societies and the Truck Growers' Association will be held at the University of Illinois, Champaign, commencing January 31, and ending February 10. The last three days of the convention will be given over to the Florists' Association. The exhibition of flowers will be held on February 8, all flowers to be staged by 12 o'clock and will remain open to the public until February 10. There will also be an exhibition of fruit and vegetables which will be held prior to exhibition of flowers. An extensive programme of interesting papers has been prepared embracing subjects on the growing of flowers, plants and vegetable and other horticultural subjects. Insects and the various diseases of plants will be discussed in a number of papers read by prominent authorities among them being Dr. S. A. Forbes, State Entomologist, John J. Davis, chief assistant to Dr. Forbes; Prof. M. B. Thomas of Wabash College, Crawfordsville, Ind.; and Dr. J. W. Folsom of the University of Illinois. Other interesting papers will be those on "Strawberry Culture" by C. E. Percels, the illustrated lecture on "The Story of the Gem Melon," by Prof. J. W. Lloyd, and the paper on pruning fruit trees by Prof. C. S. Crandall.

One of the most important papers in which we are all interested is the illustrated lecture on "How to plan Home Grounds" by W. N. Rudd. The essayist is a well known authority on this subject and his paper will be of great value to the average florist, so many of whom are called upon to give advice as regard the planting of grounds around a home. Among the other papers which will be of particular interest to the florists are: "Packing and Shipping Plants and Flowers" by J.

F. Ammann, Edwardsville; "Fertilizers, for Use of the Florist" by H. B. Dorner; "Illinois Greenhouses and their Products," by Philip J. Foley, Chicago; "Floral Decorations," by Miss Emily Dorner, Lafayette, Ind.; "The Development of the Public Park with Especial Reference to the Small Town," by Prof. J. C. Blair; "Greenhouse Management" by C. L. Washburn, Hinsdale; "Live Issues for the Florist" by J. C. Vaughan, Chicago; "Some New Things" by E. G. Hill, Richmond, Ind.; and "Work at the Experimental Greenhouses" by H. B. Dorner, Urbana. This joint meeting will be the largest ever held by these societies and will dispense much valuable information on many topics which are essential to the florist trade. The meeting is open to florists and all others interested in horticulture



Geranium Seedling No. 40.

Raised by Richard Diemer, Colma, Calif.

and will be largely attended. Any further information desired can be obtained by addressing Secretary J. F. Ammann, Edwardsville, Ill.

Geneva, Ill.

The Riverbank Greenhouses have quite a large establishment containing about 30,000 square feet of glass and plans are being consummated to increase the area to 100,000. Four houses 27x200 feet are planted to roses, carnations and sweet peas, a fern house 28x100 feet and a propagating house 12x100 feet, all of which have gravel walks through the greenhouses. The office building is equipped with large packing room in which are two sorting benches of concrete and an artificial refrigerating house with ice box for flowers. They have installed an electrical centrifugal pump with a capacity of 75 gallons of water a minute and under the east end of the building a tank which will hold 60,000 gallons of water. There is also a mushroom cellar 16x119 feet.

MATAMORAS, N. Y.—Roddie Dewitt, a young man employe of Colonel Quick, was found unconscious in one of the greenhouses December 21, dying a short time after being removed to the house.

Cleveland.**STOCK RATHER SHORT.**

The dark, cloudy weather has had its effect on the rose crop, and there is not enough to fill orders, especially during the last few days of the week. Carnations are a little more plentiful, but a brisk demand cleans them up daily. Sweet peas are coming in less quantities on account of the lack of sunshine. A few daisies and calandula arrive. There is a good demand for lilies and callas and lily of the valley is having a good call and the quality is of the best. Tulips, Proserpine and La Reine are in good supply, with fair demand.

NOTES.

One of the most beautiful and original table decorations seen here lately was one by the Jones-Russell Co. for the Roadside club. The center of the table was composed of green moss to represent grass. Over this was built a roadbed of lake sand and gravel, small wooden ties and miniature iron rails, and on the track stood a perfect model of a pullman passenger car made of red and white carnations. Telegraph poles, wires, block signals, mile posts (bearing various advertising signs) lined the entire stretch of track. The landscape represented farm land on which miniature farm houses, trees made of boxwood, toy animals and numerous farm implements were arranged with an artistic skill seldom surpassed. The ladies were provided with corsages of gardenias and the gentlemen boutonnières of the same beautiful flowers.

On February 13, the first meeting night next month, the Florists' club will have a flower show at the club rooms on Detroit avenue. Any growers having anything to exhibit kindly communicate with Frank Friedly, secretary. The club rooms are beginning to look like olden times. More members are attending at present than for some time past. Many new members are coming in every meeting night and would suggest that this be a good time for you to join and also for the old members to come around and help to make this an up-to-date florists' club.

G. A. Barber, Beloit, is going to rebuild his greenhouses and erect two houses 18x200, one 14x100, and one 16x150, of modern and up-to-date construction in every respect.

Mrs. J. Lincoln Brown had the misfortune of having two of her large plate glass windows in the front of her store blown in during last week's wind-storm.

C. F. B.

Detroit.**FLORIST'S CLUB MEETING.**

About twenty-five club members turned out to the regular meeting, Monday evening, January 16. The great attraction was the belated address by Albert Pochelon on "The Holiday Trade." He had not prepared a paper on the subject, but his system was so full of unhappy memories of the trials encountered during the holidays that he had no difficulty in entertaining his hearers with a recital of the numberless annoyances that are met with on such occasions and declared emphatically that no money could be made out of Christmas trade. Other participants in the discussion held more optimistic views and contended that the increased volume of trade made it possible to net a good profit even after all extraordinary expenses are called for. "Al" was freely twitted for his pessimistic attitude and reminded of well known possessions resulting from his business alone.

E. A. Scribner read a paper from the columns of THE AMERICAN FLORIST issue of January 4, 1909, entitled "Insecticide Treatment for Thrips," by A.

C. Beal. A discussion of this subject was assigned to the next meeting.

The entertainment committee reported having completed arrangements for the dance and card party, Thursday evening, January 19, at Harmonie Hall.

Wm. Roberts was elected to membership and Clarke Stevenson and W. Munt were visitors.

There was on exhibition a vase of the new carnation "Brightspot" by Nic Zweifel, North Milwaukee, Wis. The blooms were shipped here a week previous and were still in fine condition when shown and the variety was highly commended by all. The flowers were large, even colored, of dark pink shade and were borne on extra strong stems over twenty-four inches long. A vase of seedlings shown by F. Dorner & Sons included Gloria, Pink Delight, White Wonder and Scarlet Glow. These, too, had been cut a week previous and were mostly in good condition and elicited much praise, particularly Gloria and Pink Delight, which were certainly beautiful flowers possessed of rare merit. A vase of Double Killarney rose was also shown, sent by Pennock-Meehan Co. These were in the last stage of development but evidently had been fine blooms, but were then in no condition to be fairly judged.

The Question Box contained this query: Can the trade paper reports emanating from Detroit be relied upon? A spirited discussion followed and after a general condemnation of the alleged unreliable character of such reports in the past and the strongly expressed wish of the members that a reform be effected the matter was referred to J. F. Sullivan, representative of THE AMERICAN FLORIST and the only

strongly expressed views of the members, calling for a decided reform in their reportorial capacities, especially in connection with market quotations and reviews of local conditions that may influence the same. The committee named was composed of R. Rahaley, E. A. Scribner and Chas. Plumb.

J. F. S.

Toronto.**BUSINESS ACTIVE.**

Business conditions here are the best ever and the activity seems general in all the stores, an unprecedented amount of funeral work has been demanded and flowers at all adaptable for this work have been so much called for that we are quite used to the wholesalers' "nothin doin." The rose crop which was very heavy at Christmas went off shortly after and with continued dull weather the plants refuse to bloom freely, these with carnations are the scarce items at present. The roses are grand and a little bit of sunshine will help them in productiveness; American Beauties, Richmond and the two Killarneys all show great promise; carnations are heavily covered with buds and will soon be plentiful. The most welcome feature at present is the bulbous stock which is coming in fine and the many daffodils, tulips, freesia, narcissi and Dutch hyacinths give us variety to work with, violets are a glut on the market. All kinds of ferns are scarce, even good old Boston is shy at this season.

NOTES.

Grobba and Wandrey have some grand rhododendrons, many of the



VIEW OF GENY BROS.' STORE, NASHVILLE, TENN.

trade paper representative present. He vigorously defended his own work in this line and challenged anyone to point to a single case of inaccuracy in any of his reports covering the past twelve years while he has represented THE AMERICAN FLORIST. To this no denial was made, but many claimed that the representatives of other papers had continuously offended in this vitally important matter. The heated discussion terminated with the appointment of a committee with instructions to apprise the trade paper representatives of the

lighter shades are used up in funeral work, though the plants are so good that it is often with regret that they are put to the knife. Their average cut daily at present is 1,000 freesia, 1,200 daffodils and from 1,500 to 2,000 tulips, they are again cramped for space and will erect two more houses, 40x180.

Wm. Fendley of Brampton is again the violet man. No order is too large to be looked after at present.

H. G. D.



TERRE HAUTE FLORISTS AT FRED G. HEINL'S, JANUARY 6.

Los Angeles, Calif.**A BANNER HOLIDAY TRADE.**

Not only one but many of the retailers declared that their Christmas business this year far exceeded that of any previous year. Up to a few days before the event some of the more timid were afraid that the counter attractions of the automobile show, the great aviation meet at Dominguez fields and others would divert some of the money that usually finds its way to the florists' coffers, but that these fears were groundless was soon shown in the liberal orders given and the quite unprecedented amount of transient trade. Then a few days before and up to and including Christmas day there was a very much greater demand for funeral work than usual, this all adding to the work of the busy store help and keeping all "on the jump." Christmas plants sold very readily, cyclamen, azaleas and spiraeas finding a good demand. For holly and greens generally there was a great call and many had to be disappointed. Some of the wreaths were very poor and apparently hardly worth carrying home, but they sold well. Plant baskets found a ready demand and the stores, one and all, were decidedly attractive. Poinsettias cut from outside were grown this season owing to the dry weather, but being so plentiful did not get the growers so good a price as usual. American Beauty roses did not begin to fill the demand and good orders for these and orchids had to be turned down. Of Richmond there was a fair supply but more of this favorite red could have been sold. This, in fact, holds good in the case of all roses and the only satisfactory point about it is that customers took carnations and other outdoor flowers instead of them and this helped to clear up the surplus. Taken altogether the holiday business was well up to expectations and everyone was satisfied.

Frank Lichtenberg is delighted with his Christmas business and he has also had a large share of funeral work.

His baskets and other plant devices were particularly good and the large, conveniently arranged store showed these off to good advantage.

A. F. Borden had a fine cut of carnations for Christmas and reports trade at his retail store good. J. Dekema of the late firm of Jensen & Dekema of Chicago, is grower for Mr. Barden. His health is much improved since coming to California.

H. R. R.

Terre Haute Florists' Banquet.

Fred G. Heindel extended to the florists of Terre Haute an invitation to meet with him on the evening of January 6, and seventeen of the craft responded, and at 7 p. m. they were paired off and marched to the garage and were agreeably surprised on arriving to see a table laden with all the good things. A card, one of the shipping tags of John G. Heindel & Son, with the name of the party who was to occupy the chair, was at each plate. Before us was one of the most unique and delightful table settings that any of us had ever seen. The center of the table was decorated with Pandanus Veitchii. Each article of food, such as potatoes, beans, etc., was served in jardinières; the salads were served in fern dishes; each and every dish was properly labeled with a six-inch pot label so that everyone was intelligently informed as to what he was eating. Common garden trowels were used as spoons in dishing out the different kind of eatables. The ice cream was served in three-inch pots in pot saucers. The rear of the garage was screened off with an imitation of the old garden fence covered with vines. An old-fashioned watering can was suspended from the center of the ceiling and old garden hose draped to the corners. All of the tools that are necessary in a greenhouse were crossed and stacked at intervals around the garage. After dinner was served they marched to the residence of Fred Heindel, where music

and cigars were enjoyed. After this, all went to the opera house and witnessed the show for the balance of the evening. Everyone had a good time and will long remember the first meeting of the florists of Terre Haute. Those who were present were: Fred G. Heindel, John G. Heindel, Otto Heindel, Ed Cowan, James Cowan, Dr. Risse, John Winton, Henry Dempsey, Aug. Weidenhoff, Wm. Dibble, Harry Richmond, Fred Wunken, N. B. Stover, Henry Graham, Edgar Weber, W. D. Miller, Mrs. Fred Heindel, Mrs. W. D. Miller, Minnie Dueniveg and Fred. Patterson.

OBITUARY.**Thomas B. Snare,**

Thomas B. Snare, foreman at the greenhouses of Frederick A. Danker, Albany, N. Y., died on January 9, after an illness of nearly two weeks with pleuro-pneumonia. His funeral took place from his residence, 489 Hamilton street, on January 12, and was attended by a goodly contingent of the Albany Florists' club. Members of the club acted as bearers and the organization contributed a wreath as one of the floral pieces. Mr. Snare was a popular member of the club. He learned the florist business when a boy, but abandoned it for railroad work when a young man. He worked on the New York Central as fireman and engineer and ran some of the fastest trains in the company's service. On the solicitation of his family, he retired from railroad work about 18 years ago, and went back to the calling of his early life. He was employed as gardener at the summer place of John Dewitt Peltz, a prominent lawyer, at Selkirk, and after the death of Mr. Peltz, about five years ago entered the employ of Mr. Danker. His widow, three daughters and a son survive him. R. D.

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Wisconsin Sphagnum.

This season's crop of Wisconsin sphagnum will probably be below the usual grade because of the drought followed by fire which burned over the tips of the moss. Sphagnum is growing scarcer as the swamps in which it grows are being gradually burned over and used for farming purposes. In a short time the one Wisconsin district which in recent years has furnished the most sphagnum will be entirely depleted.

Chrysanthemum Society of America.

At the forthcoming show of this society, to be held at St. Louis in November, 1911, the following special premiums have been offered:

By Jerome Jones of Boston, for the best 10 blooms of the variety Mrs. Jerome Jones, first prize, \$15; second prize, \$10.

By Elmer D. Smith & Co., Adrian, Mich., for the best 12 varieties, introductions of 1910 and 1911, not less than 12-inch stems, first prize, \$15; second prize, \$10.

C. W. JOHNSON, Sec'y.

American Breeders' Association.

The seventh annual meeting of the American Breeders' Association will be held at Columbus, O., February 1-3, as the guest of the National Corn Exposition. The opening session which will consist of the reports of officers and committees will be held in the Exposition Auditorium. The subsequent meetings, at which the reports of the committees on breeding plants and animals and the illustrated talks, will be held in the Government Building. Among the many interesting reports of committees to be presented are those on Nomenclature and registration, Breeding nut and forest trees, Prof. George B. Sudworth, Washington, D. C., chairman; Breeding trees and vine fruits, Prof. S. A. Beach, Ames, Iowa, chairman; Breeding vegetables, W. W. Tracy, Washington, D. C., chairman; Breeding roses, Dr. W. Van Fleet, Washington, D. C., chairman, and Pedigreed seed and plant business, Eugene Funk, Shirley, Ill., chairman. Further particulars can be obtained by addressing the secretary, W. M. Hays, Washington, D. C.

National Flower Show.

Called together by Chairman F. R. Pierson, the National Flower Show committee and the executive board of the Society of American Florists have been holding very important meetings in Boston this week. Mr. Pierson issued the call in order that many details of the coming show could be definitely arranged. After three days of almost incessant labor the work was accomplished and all indications point to a most successful exhibition. The schedule of premiums was completed and will be issued immediately. The dates for meetings of the different societies have been decided upon. The show opens Saturday, March 25, and the American Rose Society meets Monday and Tuesday, March 27 and 28; the National Sweet Pea Society Tuesday, March 28; the American Carnation Society Wednesday and Thursday, March 29 and 30; National Association of Gardeners Wednesday, March 29; the American Gladiolus Society Thursday,

March 30; the Society of American Florists Friday and Saturday, March 31 and April 1. The Massachusetts Horticultural Society will offer gold and silver medals and help greatly in other ways. Rules and regulations covering the executive and scales by points for judging were gone over and decided upon. The meetings were harmonious throughout. Everything is running smoothly and it is going to be the greatest show ever. Those attending from a distance were President Asmus, Chicago; Chairman Pierson, Tarrytown, N. Y.; Treasurer Kasting, Buffalo, N. Y.; Frank H. Traendly and Harry Bunyard, New York.

Society of American Florists.

At the time of the National Flower Show at Boston, Mass., March 25-April 1 inclusive, there will be held an adjourned meeting of the S. A. F. At the same time will be held meetings of the American Rose Society, the American Carnation Society, the affiliated societies. It has been decided that each member in good standing of the S. A. F. and the affiliated societies shall have one season admission ticket, admitting one. If a member belongs to more than one society he shall be entitled to only one ticket and not one for each society. In other words belonging to three societies will give the member only one and not three tickets. For additional tickets, trade or exhibitors' tickets may be secured at reduced rates.

In order to take advantage of the free admission to the flower show the member's dues for 1911 must be paid. Dues are payable on the first day of January and unless paid at that time the member is not in good standing. Payment of his dues will again place him in good standing. Members wishing to become life members during this month may do so on the payment of \$25.00. Those joining after January must pay \$25.00 and also the \$3.00 dues for the year, or a total of \$28.00.

Each member should make an effort to secure at least one new member during the year. This would take our membership above the 2,000 mark.

Application has been made for railroad rates for the meeting in March. Further notices concerning the same will appear in the trade papers.

We hope to see every member of the society at Boston in March.

H. B. DORNER, Secy.

White-Fly Control.

The Experiment Station of the University of Florida has issued a bulletin on the control of White-fly, *Aleurodes nubilifera*, which are very injurious to citrus growers. There are three methods of control—the fungus diseases, spraying with insecticides and fumigation. There are parasitical fungus that attack and destroy the white-fly and directions are given for the culture and the spraying of this fungus. The spraying with soap solutions as an insecticide can be carried on successfully when most of the insects are in the larval or pupal stages. Whale oil soap is the best and cheapest material, a good mixture being one pound of whale oil soap, three pounds of washing soda to 16 gallons of water. Fumigation is done with hydrocyanic acid gas.

PANSIES sown this month make sturdy stock for May planting.

RENEW subscriptions promptly so that no copies of the papers may be missed.

"SUBSCRIBER."—The best book for your purpose that we know of is Taft's "Greenhouse Construction," which we can supply on receipt of \$1.50.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Western New York Horticultural Society.

The annual meeting of the Western New York Horticultural Society will be held at Rochester January 25-26. Sessions will be held on mornings, afternoons and evenings and the following papers will be read and discussed: "The Forward Movement in Country Life," by Dr. L. H. Bailey, of Cornell University; "Pruning Fruit Trees," by Edward Van Alstyne, Kinderhook; "The Peach," by Charles D. Barton, Marlton, N. J.; "Some New Data Regarding Lime and Sulphur," by Dr. L. L. Van Slyke; "The Organization and Work of an Experiment Station and its Relation to Practical Agriculture," by Dr. W. H. Jordan; "Reclaiming Old Apple Orchards," by G. A. Drew, Greenwich, Conn.; "Notes on Fruit Diseases in 1910," by Prof. F. C. Stewart; "Pear Prylla and Other Spraying Problems," by Prof. P. J. Parrott; a lantern slide talk on "The Field Laboratory—A New Method of Solving the Plant Disease Problems of the Grower," by Prof. H. H. Whetzel, and a debate on the resolution, "That top-working nursery stock is disadvantageous to the fruit grower's best interests." M. G. Kains affirmative and George T. Powell negative. An interesting feature will be the round table talks for market gardeners and small fruit growers, and the large number of important questions in the question box to be answered and discussed. An exhibit of fruit and vegetables will be held in conjunction with the meeting.

Horticultural Society of New York.

At a recent meeting of the council of the society, it was decided to hold flower exhibitions in conjunction with the monthly meetings. The first three of these monthly exhibitions will be held at the American Museum of Natural History on the second Wednesday in February, March and April. The meetings during the summer will be held at the New York Botanical Garden. Prizes will be offered at each exhibition, the first to occur February 8, will be for orchids and roses. Information and schedules can be obtained by applying to the secretary, George V. Nash, Bronx Park, N. Y.

Warning.

Florists are warned to look out for a man named Frank Mombert (which may be assumed), 21 to 24 years old, five feet seven inches tall, ruddy complexion, brown hair and smooth shaven, wearing a brown suit and rough coated beaver hat. Claims his home is in Oregon, but born in Iowa. He was in our employ and left January 8, taking money and \$15.00 worth of flowers.

TRILLOW'S GREENHOUSES.

Des Moines, Iowa.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman; all around florist, where Am. Beauties are a specialty preferred. Key 376, care American Florist.

Situation Wanted—As florist or assistant gardener, 12 years' experience in all branches; good freeman; age 26; single, English; excellent references. BURTON, Newton, Iowa.

Situation Wanted—By seedsmen and plantsman as seedsmen; 10 years' English experience, four years' American; good address; state wages offered. Key 373, care American Florist.

Help Wanted—At once, a grower of roses, carnations and general greenhouse stock, to work under foreman. Salary \$60 a month, with house rent free. Married man only wanted. Address IDLE-HOUR NURSERIES, Macon, Ga.

Help Wanted—Florist salesman, designer and high-class maker-up. A man with thorough experience and best recommendation. Good salary. Address ALPHA FLORAL CO., 197 Wabash Ave., Chicago.

Help Wanted—Gardener for place of ten acres near Chicago; must have good practical knowledge of ordinary landscape gardening fruit and vegetable culture, and general care of home grounds. Address Key 368, care American Florist.

Help Wanted—A wide-awake man who is capable of managing a well established florists' wholesale commission house in the west; must be a hustler; prefer one who is willing to put a little money into the business; a splendid opportunity for the right man; salary and commission. Address Key 362, care American Florist.

For Sale—Well established retail seed store; bargain if taken at once; location, Cleveland, Ohio. Key 366, care American Florist.

For Sale—Small but good florist business; 1,500 feet of glass; cottage; 50 ft. length of hot beds; in fast growing town in Oklahoma; no competition; \$1,200 if taken at once. Key 369, care American Florist.

For Sale—A complete hot water plant for a greenhouse, 20x50: Wilks magazine heater 20-42, and all pipes, fittings and valves; ready to install; used only two months; a \$250.00 plant for \$125.00 cash. F. WINDELER, Rushville, Ind.

For Sale—At great sacrifice; three-fourth acres, six-room house, cellar, cistern, pressure water, chicken house stable, greenhouse, 1000 ft. glass; no stock; hot water heat; good market; no competition within 70 miles; splendid chance for young man; must be sold; make offer; write JOHN L. BRADY, Medicine Lodge, Kansas.

For Sale—Greenhouse property; wishing to change climate on account rheumatism I offer for sale my business consisting of about 12,000 sq. ft. of glass, four greenhouses, seven acres, two city blocks of land, good 8-room dwelling, heated by steam from greenhouse boiler, barn, artesian well; place in good repair; located at St. Peter Minn., a city of 5000; no opposition; good outlet. Write to ST. PETER GREENHOUSES, St. Peter, Minn.

Wanted to Lease—By young married man, a small place in good repair; am a first-class grower, but have only a few hundred dollars capital. Address Key 379, care American Florist.

For Sale or Rent—In Chicago's most fashionable suburb in Evanston, Illinois, greenhouse property with improvements, consisting of 6,500 sq. ft. of glass; complete, in good condition, including two frame residences; suitably located for retail business. For terms and particulars apply to JOHN F. HAHN, 1572 Sherman Ave., Evanston, Ill.

For Sale.

Best equipped Flower Shop on the most prominent corner in New York City, is offered for sale at a great sacrifice. A fine opportunity for a live man. Address or apply H. W., 103 E. 29th St., New York.

WANTED

A partner to take a half interest in a prosperous retail flower store in the business district of Chicago, or would sell the entire business. If the right party is looking for a good thing and means business, address

Key 374, care American Florist.

FOR SALE.

An up-to-date Florist Plant; modern greenhouses; 70,000 feet of glass; 12 acres of land; large brick dwelling house, heated by steam; two barns. Everything in first class working order.

W. W. Coles, Kokomo, Ind.

Grower and Manager

An experienced grower of all lines of commercial greenhouse stock is open to engagement as manager or foreman of a modern establishment. References of the best character and full particulars on application. Address

Key 360, care American Florist.

Outdoor Man Wanted.

Thoroughly competent, for the usual run of work that the retail florist is called upon to do around private houses and gardens during the spring and summer months. Permanent place and good wages to the right man. Must have had experience in this line. Address

Key 361, care American Florist.

GREENHOUSE FOR SALE.

Consisting of 6 greenhouses, 16,000 feet of glass, all built within the last three years, and 13 acres of land, located on steam and electric railroad in a prosperous and growing town about 25 miles from Cleveland, O. Double strength glass. Garland gutters with iron supports, 50 h. p. boiler, 350 barrel cistern, city water. Good stock of plants, bulbs and flowers. In all respects a most desirable property. Will be sold at a bargain, Price: \$11,000; part cash, balance on time. 344 The Arcade, Cleveland, O.

Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 570 pages, including complete lists of the Florists-Seedsman and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

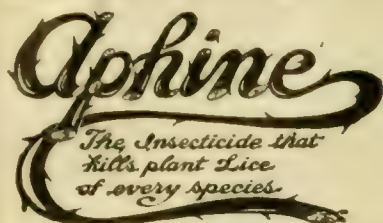
PUBLISHED BY THE

American Florist Company

324 Dearborn St., CHICAGO, ILL., U. S. A.

Contains 570 Pages

Price: \$3.00 postpaid



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon; \$1.00 per quart.

FUNGINE

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 per gallon; 75c per quart.

For Sale by Seedsmen.

MANUFACTURED BY

Aphine Manufacturing Co., Madison, N. J.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

FERNS, ROSES and Soft Wooded Plants

Write us your wants and ask for new circular. Can save you money on Ferns, especially Whitman.

GEO. A. KUHL

Wholesale Grower for the Trade. PEKIN, ILL.

Evansville, Ind.

Since the holidays business has been rather dull, but during last week there was a change and everyone was busy. The majority of the calls were for funeral work, while there were some social events. The weather has been warm for a week or more with very little sunshine, and roses and carnations are not of the best, but it is now cooler with prospects of brighter weather.

NOTES.

The Blackman Floral Co. have been very busy since they moved into their new store. They have more room and when everything is settled will have a fine store. They intend to put in a cold storage plant in the basement.

Julius Niednagel & Sons have been cutting very nice long Killarney, and Ivory is coming into crop again. The carnations, as well as all other stock, are in excellent condition.

Royston & Fenton are getting some good Ivory, but are off crop with Bride and Bridesmaid.

Ben Kramer arranged some fine work for a large funeral January 14.

Nellie Goodge has been confined to her bed, but is convalescent.

Henry Seymour continues to have his usual run of business.

Karl Seidler will rebuild next year. E. L. F.

Don't Forget, in the Rush

That You'll Need Stock Later on.

For example, there's your

Manetti

For winter grafting. We offer English at \$12.00 the thousand; French at \$10.00. Both good; 3 to 5 millimeters; smooth, evenly graded, disbudded, well-rooted stocks, especially selected for florists' grafting.

Lily of the Valley

Reimschneider's Exposition, \$14.00 the thousand (1,700 to the case).

Perfection, \$12.00 the thousand (2,000 to the case).

Holsatia, for storage and later forcing, \$11.00 the thousand (3,000 to the case).

Lilacs

Imported, pot-grown, for cut flowers; bushy, suitable for 7 or 8 inch pots, 50c each; \$5.00 the dozen. Charles X only.

Half-Standard Roses

Baby Rambler and Mrs. Cutbush, 50c each; \$5.00 the dozen. No better at any price. Full Standard Baby Rambler, same.

Bush Roses

Fine assortment leading H. P.'s like Brunner, Charta, Druschki, etc.

Also Hybrid Teas, Ramblers, Dorothy Perkins, etc.

Write and make known your wants. We are Growers for the Trade, and sell only to the Trade. Use printed stationery.

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen,

NEWARK (Near Rochester), NEW YORK

CARNATIONS

Rooted Cuttings

We supply them of even size and well rooted. Orders booked now for January delivery and later.

	Per 100	1000
White Wonder. Our new white.....	\$12 00	\$100 00
Gloriosa. Our new pink.....	12 00	100 00
Pink Delight.....	6 00	50 00
Scarlet Glow.....	6 00	50 00
Shasta.....	6 00	50 00
Sangamo.....	6 00	50 00
Dorothy Gordon.....	6 00	50 00
J. W. Riley.....	6 00	50 00
Admiration.....	6 00	50 00
White Perfection.....	3 00	25 00
Winona.....	3 00	25 00
Enchantress.....	3 00	25 00
White Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Beacon.....	3 00	25 00

F. DORNER & SONS CO., LaFayette, Ind.

Grafted Rose Plants.

3000 Pink Killarney, 1 year old from bench \$5.00 per 100, \$40.00 per 1000.

Rooted Rose Cuttings.

Rooted Pink Killarney, Cuttings, \$2.50 per 100, \$20.00 per 1000.

Rooted Richmond, Cuttings, \$2.00 per 100, \$15.00 per 1000.

Geo. Reinberg 35 Randolph St., CHICAGO.

Ferns for Dishes

2½-in. Per 100 Per 1000
\$3.50 \$30.00
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

ERICAS

Splendid Stock for Growing On

Ready for immediate shipment.

Christmas Flowering Varieties

	Per 100
Erica Regerminans.....	\$10 00 to \$15 00
" Fragrans Melanthera, first size.....	20 00
second size.....	15 00
" Epagris Alba.....	8 00

Easter Flowering Varieties

	Per 100
Erica Cupressina.....	\$15 00
" Persoluta Rubra, first size.....	20 00
second size.....	15 00
" Arborea.....	Per doz. \$2 00
" Cavendishii.....	2 00
" Cort. Veitchii.....	8 00

Boronia Eliator

\$15 00 per 100.

Boxwoods

Suitable sizes for all decorative work, \$15 00, \$20 00 and \$25 00 per 100.

ANTON SCHULTHEIS College Point, L. I., N. Y.

Boston Ferns...

2½-in. \$30.00 per 1000

WHITMAN FERNS

2½-in., \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Dorothy Gordon, the Carnation

that LASTS

THE substance of Carnation Dorothy Gordon when cut is one of its very special advantages—and from now on, for several months, that's a feature that will count big with your trade. You simply cannot do much with some Carnations; but the flowers of Carnation Dorothy Gordon keep their fine form, color and fragrance. Here is one example—we could tell you of many others:—

A lady wore a Dorothy Gordon—not a select specimen, but just an average run-of-bench flower—on Tuesday evening. She kept it in water until Sunday, then wore it to church; put it back in water, and it kept in good shape for a day or so more. You don't know of many other Carnations that would stand such treatment as that, do you? WE don't, and we've been growing commercial Carnations, many leading varieties, for years!

Then there are a lot of other strong points to consider—Carnation Dorothy Gordon is not bad about bursting at the calyx—a feature that has spoiled many an otherwise good sort. It is a tremendously free bloomer, with large flowers; is a little darker than Pink Enchantress, and is borne on long, stiff stems.

With us this Carnation has proved a great money-maker. Let it make money for you, too—we offer a fine but limited stock of rooted cuttings for immediate delivery at

\$6 per 100, \$50 per 1000.

CARNATION DOROTHY
GORDON. FULL SIZE

Orders are coming rapidly and as all will be filled in rotation, we recommend that you specify your wants early. Dorothy Gordon is not an experiment and we are confident that it will fully justify our claims wherever tried.

When
in
Philadelphia,
Be Sure
to Look Us Up

**Joseph Heacock Co.,
Wyncote, Penna.**

Railway Station: JENKINTOWN

≡BONFIRE≡

(Exhibited as Mrs. Beckwith)

**The New Sensational Red Carnation
Winning Over All Red Carnations
At Indianapolis, in Eight Entries.**

By far the finest Red yet introduced. Color intense scarlet. Habit strong and free, producing flowers as large as Beacon and much earlier.

Book Orders Now. Ready January 1st. \$12.00 per 100; \$100.00 per 1000.

THE E. G. HILL CO.,

**RICHMOND,
INDIANA.**

Fancy Carnations

Roses and Beauties

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$8.00
36 inches.....	4.00 to 5.00
24 to 30 inches.....	3.00
15 to 18 inches.....	2.00
8 to 10 inches.....	1.00

Richmond and Rhea Reid

Extra long.....	per 100	\$12.00
Good lengths.....	per 100	8.00
Medium lengths.....	per 100	6.00
Short.....	per 100	4.00

Maids, Maryland, Killarney, Brides, White Killarney, Kaiserin,

Extra select.....	per 100,	\$10.00
Good lengths.....	per 100,	8.00
Medium lengths.....	per 100,	6.00
Good short lengths.....	per 100,	4.00

CARNATIONS

Fancy pink and white.....	per 100,	\$ 4.00
Fancy red, O. P. Bassett.....	per 100,	4.00
HARRISII LILIES.....	per doz.	2.00
".....	per 100,	15.00
Lily of the Valley.....	per 100,	\$3.00 to 4.00
Asparagus.....	per string,	.50
Asparagus Sprays.....	per 100,	\$3.00 to 4.00
Ferns.....	per 1000,	2.00
Smilax.....	per doz.,	1.50 to 2.00
Adiantum.....	per 100,	1.00
Galax, Green.....	per 1000,	1.00
" Bronze.....	per 1000,	1.00
Select Pink and White Sweet Peas.....	per 100,	1.00

Buy Direct of the Grower and Get Fresh Stock
BASSETT & WASHBURN,

Office and Store: 76 Wabash Ave., Chicago

Greenhouses: Hinsdale, Illinois

Chicago.

A DECIDED SHORTAGE.

The cold wintry weather during the short days, and the cloudy spell which has hung over the city for the past two weeks, have had a decided effect upon the cut in this vicinity. Roses, which have been very plentiful until the turn of the year, have been received in much smaller quantities, and it has been very difficult for the growers to meet all the demands of the buyers. One of the retailers made the statement that in his twenty years' experience he had never seen the market shorten up so quickly or vary so much as has been the case in the last two weeks. American Beauties are in very good quality for this season, the majority of the bloom being of good color and a smaller percentage of bull-heads than is often seen at this time of the year. Killarney and other pink and white roses are not equal to the demand and many orders have to go only partly filled. Carnations are being received in good quantities and although the receipts are considerably smaller than they were a week ago, yet there is enough to meet the demand, but if the bad weather continues there will also be a shortage in these as well as the roses. Lily of the valley is in good supply, with an equal demand. Cattleyas and other orchids are more plentiful and can be obtained at very moderate prices. There is a good call for lilies and the prices have advanced. Paper white narcissus are plentiful and are really the only flower on the market which is in noticeable over-supply. Sweet peas are coming in quite heavily, but are finding good sale. Stevia has about disappeared from the counters. Tulips and Trumpet Majors are regular offerings and some Von Sions have made their appearance, but the quality is not of the best and the demand for the grade offered is slow.

Fancy Carnation Blooms

THE PLEASING KIND

Our Carnations are arriving in splendid condition, and give satisfaction.

Remember we are growers and ship our customers strictly fresh stock, properly packed. We can please you when all others fail.

PRICE LIST

Carnations, extra fancy.....	5.00	Valley, choice ..	4.00
Select.....	4.00	Violets, Double.....	1.50 to 2.00
Good.....	3.00	" Single.....	1.00 to 1.50

All Greens, etc., at lowest market prices.

CHICAGO CARNATION CO.

A. T. PYFER, Manager.
Phone Central 3373.

35-37 Randolph St., CHICAGO

The stock of greens holds up very well and the quality is good.

NOTES.

Manager Pyfer of the Chicago Carnation Co. was pleased with the large number who accepted the invitation to visit their greenhouses at Joliet on January 11. The visitors spoke highly of Washington and several were so well pleased with this new carnation that they placed their orders for rooted cuttings immediately.

At Peter Reinberg's good American Beauties have been the leading feature, large quantities of elegant stock arriving daily. On January 18 the shipment of these flowers consisted of 20 boxes, mostly of a long stemmed grade.

Hoerber Bros. are cutting a large quantity of Bride, Bridesmaid, Richmond, White Killarney and Killarney roses. The latter are of exceptionally good quality and are as good a grade as can be seen in the market.

Vaughan & Sperry received a large shipment of boxwood on January 16 and are now prepared to fill all orders. This firm is now receiving a large quantity of cattleyas of high grade quality.

George Reinberg is selling a large number of grafted rose plants and rooted cuttings, mostly Killarney and Richmond.

Frank Johnson of the A. L. Randall Co. returned January 11 from a business trip to Milwaukee.

Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone
Randolph 35.

CHICAGO, ILL.

Try us on **Orchids**, we can supply you with the finest **Cattleyas** and other varieties in quantity on short notice.

CURRENT PRICES, Subject to Change Without Notice.

AMERICAN BEAUTIES		Per doz.			Per 100
Specials		\$6.00	CARNATIONS, fancy		\$4.00
36-inch		5.00	“ first		3.00
30-inch		4.00	ORCHIDS, Cattleyas, per doz.	\$4.00 to	6.00
24-inch		3.00	HARRISII and CALLAS, per		
18 to 20-inch		2.00	doz.	\$2.00	15.00
12 to 15-inch		\$1.00 to \$1.50			
Short stem		4.00 to 6.00			
CARDINAL, Long		2.00			
Medium		1.50			
Short, per 100		6.00 to 8.00			
		Per 100	NARCISSUS PAPER WHITE		Per 100
RICHMOND, extra		\$15.00	JONQUILS	\$4.00 to	5.00
Select		12.00	TULIPS	4.00 to	5.00
Medium	\$8.00 to	10.00	FREESIAS	4.00 to	5.00
Good Short		6.00	ROMANS		4.00
KILLARNEY, extra		\$15.00	VALLEY	\$3.00 to	5.00
Select		12.00	VIOLETS, double	.75 to	1.00
Medium	8.00 to	10.00	“ Single, Princess of Wales.		.75
Good Short		6.00	MIGNONETTE, large spikes		6.00
MY MARYLAND, extra		\$15.00	SWEET PEAS	.75 to	1.00
Select		12.00	STEVIA		2.00
Medium	\$8.00 to	10.00	ADIANTUM CROWEANUM	.75 to	1.00
Good Short		6.00	SMILAX	per doz., \$2.00	
WHITE KILLARNEY, extra		\$15.00	SPRENGERI, PLUMOSUS		
Select		12.00	SPRAYS	3.00 to	4.00
Medium	8.00 to	10.00	PULMOSUS STRING	each, 60c	
Good Short		6.00	FERNS	per 1000, \$2.00	
PERLE, long		\$8.00	GALAX	“ 1.25	
Medium		6.00	LEUCOTHOE		.75
Our Extra special grade Roses charged accordingly.			BOXWOOD, per bunch 35; per case of		
			50 lbs.	\$7.50	
			WILD SMILAX, 50 lb. case	\$5.00	

POEHLMANN'S FANCY VALLEY } We make these a specialty.
EXTRA FINE HARRISII LILIES } Can supply them all the year.
 Once tried you will have no other.

The wholesale dealers held a meeting this week in regard to the new building which is to be erected at Market and Lake streets. A committee was appointed consisting of C. L. Washburn, chairman, August Poehlmann, George Reinberg, Nic Wietor, C. M. Dickinson, J. B. Deamud and J. Foerster, to make the necessary arrangements. Several other locations are being considered but the majority favor the proposed building on Market street. Another meeting was held last evening, January 18, particulars of which will be printed later.

Mrs. Lillian Muir Coulter, the daughter of the late Samuel Muir and sister of John Muir, died suddenly January 9 of peritonitis, aged 43 years. She and her husband and daughter, 16 years old, had made their home with her mother at 4104 Prairie avenue, where the funeral took place Wednesday, January 11.

E. C. Amling is making preparations to leave for Los Angeles, Calif., and expects to take his departure some time next week. He will in all probability take his auto along and considerable time will be spent enjoying the beautiful scenery for which that state is noted.

Poehlmann Bros. Co. is cutting a large quantity of cattleyas of high quality. Carnations and sweet peas are looking fine; also Trumpet Major which were the best we have seen in the market.

Although there is a shortage of stock, Zech & Mann seem to have their usual supply and a splendid grade of roses and carnations can be seen at the store this week.

E. B. Washburn and wife left January 18 for Pasadena, Calif., where they expect to remain until the latter part of March.

J. Stuppy of the Stuppy Floral Co., St. Joseph, Mo., is spending a few days in the city on business and pleasure combined.

Kyle & Foerster continue to receive a large quantity of Killarney roses and are filling a large number of orders for the same.

The Killarney and Richmond roses that Wieland & Risch are receiving at the store this week are of A1 quality.

President Asmus left for Boston, January 14, to attend a meeting of the National Flower Show workers.

L. H. Winkelman of the Bassett & Washburn force is confined to his home with a severe cold.

John Kruchten is receiving regular shipments of home-grown gardenias of good quality.

Sam Pearce has happily escaped pneumonia, but is still confined by rheumatism.

Extra Fancy Cattleyas

Beauties, Orchids, Valley, Violets

Killarney, Pink and White, Richmond, Bride and Maid

Boxwood, Ferns, Leucothoe and Mexican Ivy

Plenty of all other and Fancy Carnations in good seasonable stock. supply.

CURRENT PRICE LIST

		Per 100		Per 100	
American Beauty		Perdoz.		Carnations	
Special	\$6 00	Bridesmaid, fancy	\$15 00	1st quality	\$ 2 00 to 3 00
36-inch	5 00	select	12 00	Valley	3 00 to 5 00
30-inch	4 00	medium	\$8 00 to 10 00	Harrisii Lilies... per doz.,	\$1 50 to \$2 00
24-inch	3 00	good short	6 00 to 8 00	Sprengerl	3 00 to 4 00
18 to 20-inch	2 00	Bride, fancy	15 00	Asparagus Plumosus,	
Short stem	\$1 00 to 1 50	select	12 00	extra quality per bunch...	50
12 to 15-inch, per 100	8 00 to 10 00	medium	8 00 to 10 00	Fancy Ferns, per 1000	2 00
Per 100		good short	6 00 to 8 00	Smilax, per doz	1 50 to 2 00
Richmond, fancy	\$15 00	My Maryland, fancy	15 00	Wild Smilax, per case	5 00
select	12 00	select	12 00	Violets	75 to 1 00
medium	\$8 00 to 10 00	medium	8 00 to 10 00	Sweet Peas	75 to 1 00
good short	6 00 to 8 00	good short	6 00 to 8 00	Mignonette	6 00
Killarney, fancy	15 00	ROSES our selection	6 00	Romans	3 00 to 4 00
select	12 00	CATTELYA.....per doz.	4 00 to 6 00		
medium	8 00 to 10 00				
good short	6 00 to 8 00				

Boxwood, 25 cents per pound 50 pound case, \$7.50.

VAUGHAN & SPERRY

LONG DISTANCE PHONE
CENTRAL 2571

52-54 Wabash Ave., CHICAGO.

Mrs. J. A. Budlong has the sympathy of the trade in the loss of her father Wm. Smith, aged 89 years, who passed away at her home in Bowmanville, Friday morning, January 13. The funeral was held from the family residence, and the interment at Rose Hill cemetery. Mrs. Budlong has been ill for some time and was unable to attend the funeral.

Emil A. Danz and wife celebrated their silver wedding January 15 at their home on West Lake street. Friends and relatives to the number of thirty were present. A bountiful collation was provided and Mr. and Mrs. Danz were the recipients of many tiful presents.

Willard Secor, proprietor of the Hill City Greenhouses of Forest City, Ia., spent a few days in the city this week. Mr. Secor is interested in the mortgage and loan business, the greenhouses being in charge of C. B. Simon, who looks after the splendid trade which the firm enjoys.

Chas. W. McKellar is still suffering from the effects of blood poisoning but his condition is improving. The physicians found it necessary to perform several operations, but they now have the case well in hand and an early recovery is looked for.

The J. B. Deamud Co. is receiving a splendid grade of roses, carnations, valley, violets, gardenias and all other seasonable flowers. This firm is filling a large number of orders for wild smilax and fancy ferns.

Stock at Wietor Bros. has been of the usual fine quality this week. American Beauties are arriving in splendid condition, also White Killarney roses, of which they have a liberal supply.

The carnations that Henry Van Gelder is disposing of this week are of extra good quality, violets continue to arrive in quantity and a large number are sold daily.

"The Busiest House in Chicago."

Business is Business

We want your business. Roses, Carnations, Valley, Violets, Gardenias and all seasonable flowers. Wild Smilax and Fancy Ferns a specialty.

J. B. DEAMUD CO.

Long Distance Phone
Central 3155.

51 Wabash Ave., CHICAGO

The Chicago Rose Co.'s wire department is kept very busy manufacturing designs that are being constantly ordered.

Visitors: A. A. Suder, Toledo, O.; W. C. Secor, Forest City, Iowa; J. Stuppy, St. Joe, Mo.; Young, with C. Young & Sons Co., St. Louis, Mo.

Chicago Bowling.

Wm. Lorman was appointed secretary of the Florist Club bowling league at a meeting held at Zech & Mann's store Wednesday evening, January 11. On January 22 two teams representing the league will play the All Stars of Joliet and a team representing the Chicago and Thompson Carnation companies of that city. The boys will leave on the 11:45 train on the Rock Island railroad from the La Salle street station, returning home the same evening. The following table shows the number of games won and lost by each team to date:

Won. Lost.		Won. Lost.	
Orchids	28 11	Carnations	18 21
Roses	20 19	Violets	12 27

The following table shows the individual and team scores for games played January 11:

Violets.		Roses.	
Winterson	129 144 120	Wolf	151 127 158
Lieberman	148 177 130	Byers	127 135 135
Friedman	137 156 156	Foerster	166 185 156
Lorman	127 106 136	Welch	112 111 100
Yarnall	155 179 150	Fisher	200 157 153
Totals	696 762 692	Totals	756 715 702
Orchids.		Carnations.	
Huebner	132 165 145	Ayers	152 191 151
Farley	172 147 137	Krauss	107 148 156
Graft	156 127 176	Goerisch	174 144 156
Degnan	129 175 201	Schultz	133 113 105
J. Zech	160 14/33	A. Zech	154 133 167
Totals	804 792 819	Totals	720 734 730

The following table shows the individual averages for games played this season:

Fisher	168 33/36	Winterson	152 17/27
Yarnall	166 24/39	Schultz	151 11/39
A. Zech	164 2/26	Huebner	150 22/39
Johnson	163 14/36	Lieberman	145 36/39
Vaughan	163 5/25	Lorman	144 32/39
J. Zech	160 14/33	Goerisch	143 8/27
Farley	167 19/33	Byers	141 34/36
Wolf	156 12/39	Kruchten	140
Degnan	155 19/27	Krauss	136 5/39
Graft	153 10/39	Schiller	126 9/21
Ayers	152 8/36		

BEAUTIES!

We are cutting heavily in **AMERICAN BEAUTY ROSES** and can fill your order on short notice. Also a fancy grade of **RICHMOND, KILLARNEY** and **WHITE KILLARNEY**. Plenty of all other seasonable stock.

PRICE LIST:

AMERICAN BEAUTIES

	Per Doz.
Extra long	\$5 00
36-inch stem	4 00
30-inch stem	3 50
24-inch stem	3 00
20-inch stem	2 50
18-inch stem	2 00
15-inch stem	1 50
12-inch stem	1 00
Short stem	75

Richmond.....	
Killarney.....	
White Killarney.....	
Field.....	
My Maryland.....	
Uncle John.....	
Bride.....	
Ivory.....	
Sunrise.....	
Gate.....	
Perle.....	

	Per 100
Special.....	\$12 00
Select.....	\$ 8 00 to 10 00
Medium.....	5 00 to 6 00
Short.....	4 00
Select.....	10 00
Medium.....	5 00 to 8 00
Short.....	4 00

ROSES, OUR SELECTION, AN EXTRA GOOD GRADE, \$3.00 per 100.

CARNATIONS

	Per 100
Fancy	\$ 4 00
Common	\$2 00 to 3 00
Split	1 50
Harrisii.....per doz., \$2 00	
Valley.....	4 00

	Per 100
Violets.....	\$ 75 to \$1 25
Adiantum.....	1 00
Asparagus.....per bunch,	\$0 50
Ferns.....per 1000,	2 00

Subject to change without notice.

PETER REINBERG, 35 Randolph St. CHICAGO.

Morristown, N. J.

The annual dinner of the Morris County Gardeners' and Florists' Society was held in the Mansion House here on Monday evening, January 16. For some years this annual event has taken the form of an informal smoker, this time a regular course dinner was decided upon as the proper thing to have, and, now that the event is over, it is agreed by all who attended that it was the best annual affair the society ever held. The menu was an appetizing one, replete with good things, liquid and solid, and 75 members and their friends participated.

With the coffee came the intellectual food of the evening, this being served by Patrick O'Mara, who acted as toastmaster in his usual matchless style. The toastmaster in his opening remarks referred to the great good that has been accomplished by horticultural societies in raising the standard of things grown, the exhibitions held and the competition for honors in prizes spurring each and every one on to producing something better. The various sister societies were referred to briefly by the toastmaster, each being responded to by some one of their members. Wm. Turner, for the Monmouth County Horticultural Society.; P. Murry, for the Elberon Horticultural Society; Mr. Everill, for the Glen Cove Horticultural Society; Mr. Woodcock, for the Tarrytown Horticultural Society; A. F. Larson and John Hayes, for the New Jersey Floricultural Society; C. H. Waite, for the Yonkers Horticultural Society; W. Duckham and A. Herrington for the Morris County Gardeners and Florists' Society. Harry A. Bunyard spoke for the traveling men and Chas. H. Totty for the commercial men. At the close of the speaking it was very evident to



ORCHIDS

:: A Specialty ::

A fine stock of **Cattleyas, Gardenias, Cypripediums, Assorted Orchids, Valley, Violets, Beauties**, and all fancy flowers always on hand. Decorative stock and supplies of all kinds.

Send for Price List.

CHAS. W. MCKELLAR

51 Wabash Avenue.
CHICAGO.

an outsider that horticultural societies had not only led to the growing of better stock, but had also produced a large crop of orators among their members. The tables were tastefully adorned with plants and flowers and while the dinner was being served, vocal and instrumental music was given by a quartette of colored musicians.

Visitors included P. O'Mara, Jersey City; W. Turner, N. Butterbach, Oceanic, N. J.; J. Whittinger and Woodcock, Ossining, N. Y.; Mr. Sperling, C. H. Waite and several members of the trade press from New York.

U S Budlong's
E Blue Ribbon Valley.

LOS ANGELES, CALIF.—George C. Watson has leased the Wolfskill greenhouse of which he was formerly the manager.

High Grade Cut Flowers ROSES AND CARNATIONS

WE are cutting the best grade of Killarney, White Killarney, Bride, Richmond, Bridesmaid and American Beauty Roses in the market.

OUR CARNATIONS are the best in the city. Send your orders to us.

No Order Too Large.

No Order Too Small.

Hoerber Bros.

Wholesale Growers of Cut Flowers

51 Wabash Ave.,

Long Distance Phone
Randolph 2758.

CHICAGO.

We are Cutting a
Large Quantity of

LONG STEM BEAUTIES

Which for quality, excel all others in the market. Send us your order, we will fill it to your satisfaction.

PRICE LIST.

AMERICAN BEAUTY—	Per doz,
Extra longstems.....	\$ 4 00
36-inch stems.....	3 50
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
15-inch stems.....	1 25
12-inch stems.....	1 00
Short stems.....	\$1 00 to 6 00

	Per 100
Killarney	
White Killarney	Extra fancy...\$8 00
Mrs. Jardine,	Fancy..... 5 00
Richmond,	Good.\$3 00 to 4 00
	Per 100
Bride,	
Maid,	Fancy.....\$6 00
Uncle John,	Good.....\$2 00 to 4 00
Perle	

	Per 100
Roses, Our Selection	4 00
Carnations, fancy.....	3 00
Good.....	2 00
Valley.....	4 00 to 5 00
Adiantum.....	1 00
Sprengerl, per bunch...\$	0.50 to \$0.75
Asparagus " " " " " " " " " " " "	.50 to .75
Ferns, per 1000.....	2 00
Galax... " " " " " " " " " " " "	1.00 to 1.50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

L. D. Phone, Randolph 2181.
51 Wabash Avenue,

CHICAGO.

St. Louis.

The weather has been warm the greater part of the week but is threatening snow and colder. Roses seem to be off crop and are very scarce, and carnations are bringing good prices. Violets are selling fairly well. Jonquils are to be seen but not in any quantity. American Beauty roses are not plentiful, but there are some nice short-stemmed ones on the market.

NOTES.

The Florists' Club met January 12 with President Cannon in the chair, twenty-five members being present. It was agreed to celebrate the twenty-fifth anniversary of the club's existence in June, and the trustees will re-

port at the next meeting as to the manner in which the event will be celebrated. Three new members were elected as follows: John Held, John Houlihan and Jules Bourdet.

Edw. L. Loyet had a large wedding order using many white orchids and lily of the valley which were supplied by the Chicago market.

Mrs. Waldmann has a very pretty store in her new location in a fast growing neighborhood.

The Paris Floral Co. are now making a specialty of one dollar boxes of assorted flowers.

Gustave Gross is bringing some nice violets and carnations into the market.

U S Budlong's E Blue Ribbon Valley.

Otto Sander had a specialty window with California violets Saturday. This was a novelty in the downtown district.

The Mullanphy Floral Co. are busy and among the largest buyers in the city market.

W. F.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at
Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.

Store, 51 Wabash Avenue CHICAGO

Percy Jones

60 Wabash Ave., CHICAGO

Milwaukee.

STOCK GROWING SCARCE.

Business is fair in this market. There is not an over supply of stock coming in and therefore there is no chance for the market to flood up. The majority of growers having just an ordinary cut of carnations. Roses are very scarce, especially the pink and white. Lilies, selling readily at good prices. There are a number of sweet peas coming in which find ready sale. Enchantress and white carnations are rather scarce and are bringing a good price. Violets are of a fine grade and are coming in in quantities. Green goods of all descriptions, enough for everybody.

FLORISTS' CLUB MEETING.

At the monthly meeting of the Milwaukee Florists' Club the installation of officers took place. W. C. Zimmerman being chosen installing officer, C. Dallwig sergeant-at-arms. The following officers were installed:

H. V. Hunkel, president.

A. Leidiger, vice-president.

G. Mueller, secretary.

J. G. Heitman, treasurer.

F. H. Holton, G. Kellner, trustees.

The president then appointed the entertainment committee for the ensuing year as follows: G. Rusch, chairman; F. H. Holton, R. Currie, W. Halliday and W. C. Zimmerman. H. D. Schiller, representing the Chicago Carnation Co., attended the meeting and exhibited a vase of the new carnation, Washington. The meeting was very poorly attended and there should be a little more interest shown at these meetings as it does not give this club a very good send-off when visitors from out of town attend.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Jan. 18.		Per doz.
Roses, Beauty, extra select...	36 in	6 00
" " " " " " " " " " " "	30 in	5 00
" " " " " " " " " " " "	24 in	4 00
" " " " " " " " " " " "	18 in	3 00
" " " " " " " " " " " "	12 to 15 in.	2 00
" " " " " " " " " " " "		1 00@ 1 50
" " " " " " " " " " " "	Short	Per 100
" " " " " " " " " " " "	Bride, Bridesmaid, select..	4 00@ 6 00
" " " " " " " " " " " "	" " " " " " " " " " " "	medium 8 00@12 00
" " " " " " " " " " " "	Killarney, select.	15 00
" " " " " " " " " " " "	" " " " " " " " " " " "	medium and short 8 00@12 00
" " " " " " " " " " " "	Kaiserin	4 00@12 00
" " " " " " " " " " " "	Mrs. Jardine	4 00@12 00
" " " " " " " " " " " "	My Maryland	4 00@12 00
" " " " " " " " " " " "	Perle	4 00@12 00
" " " " " " " " " " " "	Richmond	4 00@12 00
" " " " " " " " " " " "	Uncle John	4 00@12 00
" " " " " " " " " " " "	White Killarney, select.	15 00
" " " " " " " " " " " "	" " " " " " " " " " " "	medium 8 00@12 00
Carnations		2 00@ 3 00
" " " " " " " " " " " "	fancy	4 00
Cattleyas	per doz.	4 00@ 6 00
Cypripediums		15 00@20 00
Gardenias	per doz.	3 00@ 6 00
Dendrobium Formosum		6 00
Lilium Harrisii		15 00
Lily of the Valley		3 00@ 5 00
Narcissus		2 00@ 4 00
Stevia		1 50@ 2 00
Sweet Peas		75@ 1 00
Violets		75@ 1 00
Adiantum	per 100	75@ 1 00
Asparagus Plum, strings, each		60@ 75
" " " " " " " " " " " "	sprays	3 00@ 4 00
" " " " " " " " " " " "	Sprengerl	3 00@ 4 00
Boxwood	per case	7 50
Ferns	per 1000	1 50@2 00
Leucothoe		75
Smilax	per doz.	2 00
Wild Smilax	per case	5 00

There should be something done to make these meetings more interesting. The president has taken his first step by appointing C. Dallwig a committee of one to bring up a discussion for each meeting which we hope will arouse enough interest to swell the attendance the ensuing year.

NOTES.

Holton & Hunkel Co. received some of the first tulips, which are being forced at their Humboldt plant, although of a short stem grade, they are selling quite readily. This concern reports business good.

Currie Bros. Co. report business good. This firm does a large amount of funeral work throughout the states and therefore there is always something doing.

J. M. Fox & Son say business is good. They were kept busy working half the night on New Year's with a large amount of funeral work.

Nic Zweifel reports receiving quite a number of inquiries and orders for

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing



Mention the American Florist when writing

A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

U S Budlong's E Blue Ribbon Valley.

the Bright Spot carnation which is being disseminated.

August F. Kellner had quite a job in the decorative line at the Auditorium for the Automobile Show.

E. Welke Co. report fine business. They are cutting a few good carnations at their greenhouse.

Visitors: S. D. Schiller, Chicago Carnation Co.; John Rovatzos, New York Florist, Minneapolis; M. B. Linsen, Racine, Wis. G. R.

BELOIT, WIS.—By the bursting of a water pipe in the upper story of the Fluekiger building on West Grand avenue, the Farnsworth flower shop was flooded, the floor being covered to the depth of several inches.

WARD'S

ROOTED CUTTINGS

Alma Ward.....\$7.00 per 100; \$60.00 per 1000
Mrs. C. W. Ward.....6.00 per 100; 50.00 per 1000

Ready for delivery now.

Good, profitable commercial varieties. We are handling flowers every day, commanding highest prices on the market. Send for our descriptive list of the Wards and other good varieties.

THE LEO NIESSEN CO.,

Business Hours: 7 a.m. to 8 p.m.
1209 Arch St.,

Philadelphia, Pa.

Philadelphia.

STOCK MUCH SHORTER.

The feature of the past week has been the shortening up of stock, particularly roses, although all lines are affected, and there is much hustling to get enough to go around, as even with the light demand it is difficult to fill orders satisfactorily. Killarney is about the only rose for which it seems safe to take orders as American Beauties, white roses, and Richmond are very much off crop. Carnations are also scarce—on Saturday last there was not a bunch outside of white left in any of the houses. Sweet peas, which were coming in rather plentifully, have also felt the influences of the cloudy weather of the past week and are scarce and poor, the growers saying they do not open and are dropping their buds in large quantities. Some very good lilac is seen and lily of the valley is grading much better, the new crop now coming in fairly good shape. Paper white is a bit scarcer and is ruling quiet although higher than the low price of last week (\$2.00 for good stock). Roman hyacinths are in demand and Golden Spur narcissus and white tulips, La Reine, are seen in larger quantities and are in good demand. Azore lilies are now offered in quantity and are popular on account of their pure white flower and fine stout long stem. Pansies are good sellers, being always in demand. Violets are plentiful and prices rule low, the quality is good. Good maidenhair and bunch asparagus sell up clean every day; more of these useful greens should be grown. Blooming plants are in demand and the assortment is increasing. Azaleas are first and some very good Mme. Van Der Cruyssen is seen from the Harris establishment. Colflesh is also sending a nice lot. Cyclamen from the Craig Co. are splendid, the best seen this season. Meckey is proud of his marguerites. Zimmer and Jos. Habermehle are strong on Primula Obconica and Chinese primroses, for which there is always a demand.

NOTES.

The wholesale houses report the volume of business rather small but enough to use up the limited supply of flowers coming in and in fact that it has the past week been difficult to fill orders for some stock. The Niessen Co. say they are satisfied with the trade and could handle more stock if they could get it. American Beauties, Killarney, Richmond and choice carnations are leaders.

Senator Jos. Heacock is now attending the sessions of the Pennsylvania Legislature. Mr. Heacock expects to be on hand from the opening to the closing of this body, as he is thoroughly convinced that a public office is a public trust and he will at all times try to be on hand to carry out the wishes of his constituents.

Robert Craig has gone to the tropics to see if he cannot shake the whooping cough which he contracted recently from one of his grandchildren. His objective point is the Isle of Pines with a probable visit to Porto Rico. He expects to return in time for the great show at Boston. He sailed from New York January 14.

The Floracraft Greenhouses at Moorestown are right in it with their white and "pinked" tulips. The lily of

Wholesale Flower Markets

PHILADELPHIA, Jan. 18.		Per 100
Roses, Beauty, extra.....	40 00	@ 50 00
" " first.....	20 00	@ 30 00
" Brides and Maids.....	4 00	@ 12 00
" Killarney.....	4 00	@ 25 00
" White Killarney.....	4 00	@ 15 00
Cattleyas.....	40 00	@ 50 00
Gardenias.....	per doz., 2 00	@ 4 00
Lilium Harrisii.....	8 00	@ 12 00
Lily of the Valley.....	3 00	@ 5 00
Mignonette.....	5 00	@ 8 00
Snapdragons.....	10 00	@ 25 00
Sweet Peas.....	40 00	@ 1 00
Violets.....	50 00	@ 1 00
Adiantum.....	75 00	@ 1 00
Asparagus.....	per bunch, 50	
Smilax.....	15 00	@ 20 00

PITTSBURGH, Jan. 18.		Per 100
Roses, Beauty, special.....	25 00	@ 35 00
" " extra.....	15 00	@ 20 00
" " No. 1.....	10 00	@ 12 00
" Bride, Bridesmaid.....	3 00	@ 12 00
" Chatenay.....	3 00	@ 12 00
" Killarney.....	3 00	@ 12 00
" My Maryland.....	3 00	@ 12 00
" Richmond.....	3 00	@ 12 00
Carnations.....	3 00	@ 4 00
Cattleyas.....	60 00	
Lilium Longiflorum.....	10 00	@ 12 00
Lily of the Valley.....	4 00	
Paper Whites.....	3 00	
Romans.....	2 00	
Sweet Peas.....	50 00	@ 1 00
Adiantum.....	1 50	
Asparagus Sprengeri, per bunch, 50		
strings.....per string, 50		
sprays.....per bunch, 50		
Smilax.....	15 00	

U S Budlong's E Blue Ribbon Valley.

the valley is very promising, the new crop showing up very well. Easter hydrangeas are on the way and this year are to be grown in medium sized pots. Floracraft is noted for its hydrangeas.

Bernheimer says his customers are always wanting more of the Florex Gardens' carnations than he can spare. They are No. 1 stock. The crop of tomatoes from the large house is now in and meeting with a ready sale.

W. J. Baker says he sells up clean every day, the demand being greater than the supply. A specialty here is the true Adiantum cuneatum, Croweanum has nothing on this sterling old sort when well grown.

Ed. Reid's special the past week has been American Beauties and a fine stock of New York double violets for which latter he has a fine shipping trade.

The Pennock-Meehan Co. about keep one man busy packing cattleyas, large quantities of this stock being shipped every day.

Berger Brothers are receiving some top notch Lady Campbell violets. Some excellent Bride roses are also seen.

K.

MANHEIM, PA.—A fire originating in the boiler of the greenhouses of Monroe Hostetter partially destroyed one of the buildings. The loss will probably reach \$500.

FANCY GRADE OF

Beauties

— AND —

Valley

THE McCALLUM CO., Inc.
PITTSBURG, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Pittsburg Florists' Exchange

WHOLESALE FLORISTS

All Seasonable Flowers

Consignments Solicited

15 Diamond Sq. PITTSBURGH, PA.

The Florists' Exchange....

729 13th Street, N. W.
WASHINGTON, D. C.

Solicit Consignments of First-Class Stock
"Honesty Our Motto." Try Us.

Grand Rapids Greenhouse Co.,

The Leading Wholesale Florists
Of Michigan.

200,000 square feet of glass devoted to Cut Flowers. Shipments everywhere. Prompt and Satisfactory. Write us for particulars.

Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Tuxedo Horticultural Society.

The annual meeting of the Tuxedo Horticultural Society was held January 3, President Thomas Murray in the chair. There was a large attendance and the following officers were elected for 1911:

David S. Miller, president.
C. R. Russell, vice-president.
James Allen, treasurer.
Albert Fischer, secretary.
Joseph Tansey, Wm. Brock, Wm. Hastings, P. Cassidy, R. H. Schaeffer, Simon Helmers, Albert Fischer, executive committee.

After the election a discussion of the by-laws took place and a motion to have the by-laws revised was laid upon the table, to be acted upon at the next meeting. The members were served with a supper in the ante-room after the meeting, which was heartily enjoyed. ALBERT FISCHER, Sec'y.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

NORMAL CONDITIONS.

The demand for flowers at the present time is about normal for this season of the year. The supply of roses is shortening up as is the case after the Christmas crop has been marketed, and at times certain colors of carnations are hard to obtain. The prices have dropped until the salesman is obliged to sell more flowers than was the case a year ago this time in order to get the same amount of money. There are no roses and but few carnations in the market after the morning business, and a small amount of bulbous stock, Paper white narcissus, which have been coming in the last two weeks in such quantities as to make it hard work to dispose of them at a satisfactory price. On the whole business seems to be very satisfactory all around, there is just about enough to supply the demand, so that the growers are able to clean up all the stock on hand, and the retailers report business is about as good as they can expect at this season of the year.

NOTES.

President George Asmus of the Society of American Florists has honored Boston and vicinity by appointing E. Allen Pierce of Waltham to be a member of the executive committee for three years.

It is reported that a movement is being made by some of the florists to get a bill through the legislature allowing them to keep their stores open for business on Sundays until twelve o'clock.

The Boston Gardeners' and Florists' Club meets next Tuesday evening, January 17, when the officers for the ensuing year will be installed.

William Caharer, salesman for the Sutermeister estate, was taken to the hospital the past week and operated upon for appendicitis. H. C. W.

Pittsburg.

STOCK SCARCE.

There is very little change in this market for the better since the last writing. Stock of all kinds continues scarce, roses suffering the most, as there is not enough coming in to fill the orders, which keeps the wholesaler jumping to take care of his customers. The cut of American Beauties at present is very small with a light demand. Violets are coming in more plentifully, with a quality that can not be beat. The demand for them is fair. String smilax, adiantum and other greens are very plentiful. Some very fine orchids are seen on this market.

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Jan. 18.		Per 100
Roses, Beauty, beat	35 00@60 00	
" " medium	15 00@25 00	
" " culls	6 00@ 8 00	
" " Bride, Bridesmaid	2 00@ 8 00	
" " Extra	8 00@16 00	
" " Killarney and Richmond	8 00@16 00	
" " My Maryland	4 00@16 00	
" " Carnot	8 00	
Carnations, select	2 00@ 3 00	
" " fancy	3 00@ 4 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@35 00	
Gardenias	25 00@35 00	
Lilium Longiflorum	8 00@10 00	
Lily of the Valley	2 00@ 4 00	
Violets	50@ 75	
Smilax	12 00@16 00	

ST. LOUIS, Jan. 18.		
Roses, Beauty, long stems	30 00@40 00	
" " medium stems	8 00@10 00	
" " short stems	2 00@ 4 00	
" " Bride, Bridesmaid	5 00@ 8 00	
" " Killarney	5 00@ 8 00	
" " My Maryland	5 00@ 8 00	
" " Richmond	5 00@ 8 00	
Carnations	3 00@ 4 00	
Easter Lilies	12 50@15 00	
Adiantum	1 25	
Asparagus Sprengerl.	2 00@ 3 00	

CINCINNATI, Jan. 18.		
Roses, Beauty, per doz.	1 00@ 6 00	
" " Bride, Bridesmaid	2 00@ 8 00	
" " Golden Gate	2 00@ 8 00	
" " Killarney	2 00@ 6 00	
" " Richmond	2 00@ 8 00	
" " Pres. Taft	3 00@ 8 00	
Carnations	3 00@ 4 00	
Callas	10 00	
Hyacinths Roman	2 00@ 3 00	
Lilium Longiflorum	12 50@15 00	
Narcissus Paper White	4 00	
Lily of the Valley	3 00@ 4 00	
Sweet Peas	75@ 1 00	
Violets	75@ 1 00	
Adiantum	1 00@ 1 50	
Asparagus Plumosus, per bunch	25	
" " per string	50	
Asparagus Sprengerl., per bunch	25	

MILWAUKEE, Jan. 18.		
Roses, Beauty, per doz.	1 50@ 6 00	
" " Bride	4 00@10 00	
" " Killarney	4 00@12 00	
" " Richmond	4 00@12 00	
" " Perle	4 00@10 00	
Carnations	2 00@ 4 00	
Lilium Giganteum, per doz.	2 00	
Lily of the Valley	4 00	
Paper Whites and Romans	3 00	
Stevia	1 50	
Violets	75@ 1 00	
Adiantum	1 50	
Asparagus, per string	50	
" " Plumosus, per bunch	35	
" " Sprengerl.	35	
Boxwood, per bunch	25	
Ferns, Fancy, per 1000	2 00	
Galax, per 1000	1 50	
Smilax, per doz.	1 75	
Wild Smilax, per case	5 00	

G. P. Weaklin Co., East End, report the new year as starting out right, they have been very busy this month with funeral work.

James Blankensop, of C. A. Dunn, Washington, has assumed the role of "Dad," A baby girl.

J. Martin of The McCallum Co. has been laid up with lagrippe.

McRae & Jenkinson Co., New Kensington, are going to open a store on Frankstown avenue. Mike Steiner will be in charge.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand

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Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

THE MUNK FLORAL CO.

Wholesale Growers of CUT

FLOWERS and Jobbers of

FLORISTS' SUPPLIES.

Columbus, Ohio

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J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies.

Dagger and Fancy Ferns \$1.00 per 1000. Green and Bronze Galax, 90c per 1000: by the case, \$7.50. Boxwood, 50-lb. case \$7.50: by the lb., 25c. Laurel Wreaths, 10 inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14 inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c per yard.

U S Budlong's
E Blue Ribbon Valley.

Visitors: Rupert C. Hall of Reed & Kellar, New York; Paul Berkovitz, H. Bayersdorfer, Philadelphia, Pa.; L. Rose, Max Feist, New York; J. Blankensop, Washington; Chauncey Heis-croft, Steubenville, O. J.

New York.

SUPPLY PLENTIFUL.

The prevailing weather for several days has been of a decidedly damp and foggy nature and seems to have had a baneful influence upon the cut flower trade. Business is without vim and apathetic in its daily trend, but we are expecting a turn for the better every day. Supplies of all flowers, excepting roses, seem to increase rather than diminish. American Beauty, as well as all the other seasonable roses, are plentiful enough to make it impossible for the dealers to adhere strictly to any given price, 'tis a question of get as much as you can, but do not lose any sales by holding out for a high figure. Carnations are receding in value just a trifle, they get more plentiful each week and, as a natural consequence, prices go down gradually, still it is appreciated by all that carnations have been and yet are doing very satisfactorily. Violets have taken a serious tumble in values, the high class retail stores seem to be side-stepping them in a great measure, and the outlet has to be looked for among the street men mostly, which fact explains the drop in the price. Of course, there are a great many coming in every day, other cities, we are informed, are drawing very lightly from the violet section, so almost the entire output finds its way into this market. Cattleyas are still plentiful enough for all demands, gardenias are becoming more in evidence and are to be had at slightly lower figures than have prevailed for some time. Sweet peas are very variable in quality, the really good ones receive a fair price, but the poorer stock is a difficult proposition. Lilac is coming better and there is more of it seen, good sprays are obtainable at \$1.00 per bunch. Narcissus, Paper White, is still going begging almost. Princeps and Golden Spur are arriving in limited quantities and sell fairly well. Tulips are plentiful and of various degrees of quality, the short stemmed crop does not realize more than half as much as do the flowers which have fairly good stems. Lily of the valley prices have shown no improvement, and there is a big supply coming in daily. Freesias are seen in every place almost, getting more plentiful every day. A limited supply of antirrhinum is arriving, not enough to quote prices upon. Roman hyacinths have slackened up a bit, lilacs are plentiful and callas are getting more so every day. Asparagus in bunches goes fairly well and smilax is evidently not so difficult to move as formerly, owing, perhaps, to a slight curtailment in the quantity received.

NOTES.

James McHutchison, importer, 19 Murray street, intends to leave on January 21, for a ten-weeks' pleasure trip. He will sail on the S. S. Bleucher, from this port, making a South American cruise, going around the "Horn," and up the western coast of South America as far as Valparaiso. Stops will be made at all the important seaports enroute, and inland excursions will be made to points of interest.

A. H. Langjahr, wholesale florist, 55 West Twenty-eighth street, has just signed a lease covering a period of six years almost, for the handsome new store, 130 West Twenty-eighth street. The lease dates from Sept. 1, 1911. Mr. Langjahr is to be congratulated on securing such a desirable location.

F. H. Traendly and Harry A. Bunyard were summoned to Boston on the night of January 16 on National Society affairs. The New Jersey Floricultural Society will give a "smoker" at Orange, N. J., on the second Friday in February.

Valentine Hamann, carnation grower, Summit, N. J., suffered a severe loss by fire on January 11. One house was entirely destroyed and thousands of plants ruined, the loss is estimated at several thousand dollars.

W. H. Siebrecht, Jr., is receiving the congratulations of his many friends, —his wife made him a present of a baby girl on January 15. He is now blessed with both a boy and a girl and is doubly happy.

C. W. Ward, seized with illness recently at New Orleans, La., is improving rapidly.

Visitor: J. C. Hatcher, the well known grower, Amsterdam, N. Y.

On January 13 the prize for the biggest score, a bottle of wine, was won by J. Austin Shaw. The scores made were as under:

J. A. Manda.....	170	155	181	141
J. A. Shaw.....	148	159	152	176
C. W. Scott.....	119	129	132	156
J. Kakuda.....	128	129	167	141
J. B. Nugent, Jr.....	87	97	89	92
R. E. Berry.....	139	109	...	...
Kunkel.....	104	131	...	...
Watkins.....	94	96	...	...

Washington.

GOOD SUPPLY.

Business was rather slow during the first days of the past week, but improved toward the last, dinners and luncheons having occurred that called for much fine stock. Orchids, roses, gardenias, carnations, sweet peas and violets are all arriving in good supply and condition and there is also an abundant supply of narcissus and tulips, the latter are now beginning to show their good points. In narcissus, the Golden Spurs and Trumpet Majors are arriving in good condition. There is a considerable trade in azaleas, cyclamens and other plants.

FLORISTS' CLUB MEETING.

The monthly meeting of the club was held on the night of January 3, President Robertson in the chair. On account of the strenuous work of the holiday season the attendance was rather slim and but little business was transacted. There was a discussion concerning the late flower show, but as the final report had not been received, no definite steps could be taken. The nomination of officers takes place in February, election at the March meeting.

NOTES.

The annual meeting of the Washington Florists' Exchange was held on the night of January 11. This is exclusively a wholesale organization which came into existence about fourteen months ago. The annual report showed gratifying results and exceeded all expectations in the volume of business transacted. Milton Thomas was elected president for the ensuing year. Albert Schnell was re-elected as manager. Other officers were unanimously re-elected as follows: Theo. Deitrich, vice-president; Adolph Bowdler, secretary; John Robertson, treasurer, and a board of directors.

At the U. S. Propagating Gardens there is now great activity. Head gardener Henloch, in addition to preparing for spring planting in the parks, has to keep up a bountiful supply of cut flowers for the White House. The crops of American Beauty, Killarney and other roses, as well as carnations, are in splendid condition, while the palms, ferns and other decorative plants never looked better.

Many fine designs were seen at the funeral of the late Senator Elkins, January 6. A. Gude & Bro., who have had the patronage of the family, were in charge of the arrangements and executed a large number of fine designs. Many appropriate offerings from friends were made up by J. H. Small & Sons, Geo. H. Cooke and Z. D. Blackstone.

To show their faith in their works, the New Orleans boomers for the Pana-

Charles Weiss & Sons

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Telephone 1202 Madison Square

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Receivers and Growers of Cut Flowers.
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136 W. 28th St., New York City

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Telephone Madison Sq. 4878,
56 West 26th Street, New York

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Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

U S Budlong's
E Blue Ribbon Valley.

ma Exposition for 1915, have opened headquarters at the new Ebbitt hotel, 4th and F streets. They have several rooms handsomely fitted up and decorated with many horticultural products of their state.

At the U. S. Department of Agriculture they have tried an experiment of holding over a bed of carnations. While the plants seem healthy and are blooming freely we think that the quality of the flowers deteriorates and that it would be impracticable for commercial men.

John A. Magruder, a florist of this city, has invented a new device for split carnations. It is an imitation calyx that can be readily slipped under the calyx where split and is worthy of the attention of the trade.

Noteworthy among much fine stock that is being sent in by local growers are A. Gude & Bros'. gardenias. The flowers seem to be the acme of perfection, the stems are long and the foliage is glossy green.

The Flower Store, 2926 Fourteenth street, which is conducted by Philipps and wife, has had a very prosperous holiday trade and is showing fine features in plants and cut flowers.

O. W. D'Alcorn, an extensive grower of bulbs at Congress Heights, will this week open a retail store at 1734 Pennsylvania avenue.

W. W. Kimmel is pushing work on a new conservatory in connection with his Fourteenth street store.

C. J. Saunders has recently opened a nice retail store at 1411 Yore street, near Forrestville street.

Visitors:—L. W. Wheeler, Hollister, Calif.; Robt. Shoen, representing M. Rice & Co., Philadelphia; Sidney Bayersdorfer, Philadelphia; W. N. Craig, Philadelphia.
A. F. F.

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NEW YORK

WASHINGTON

**S. S. Pennock-Mechan Co.**

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Everything in Cut Flowers.



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Everything in Supplies.

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Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

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55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

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Consignments Solicited.

Give us a Trial
We can Please you.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, Jan. 18.	
Roses, Beauty, special.....	25 00@50 00
.. extra and fancy.....	10 00@20 00
.. No. 1 and No. 2.....	4 00@ 5 00
.. Bride, Bridesmaid, special.....	6 00@10 00
.. extra and fancy.....	4 00@ 5 00
.. No. 1 and No. 2.....	2 00@ 4 00
.. Killarney, My Mary Ind, spl.....	6 00@10 00
.. extra and fancy.....	5 00@ 6 00
.. No. 1 and No. 2.....	2 00@ 4 00
.. Richmond.....	3 00@15 00
.. ..	2 00@ 4 00
Carnations.....	25@ 60
Cattleyas.....	25@ 60
Gardenias.....	per doz. 2 00@ 5 00
Lilium Longiflorum.....	5 00@10 00
Lily of the Valley.....	1 00@ 3 00
Narcissus P. White.....	1 50@ 2 00
.. Yellow.....	2 00@ 4 00
Roman Hyacinths.....	1 50@ 2 00
Sweet Peas.....	per doz. bchs. 75@ 1 50
Tulips.....	2 00@ 4 00
Violets.....	25@ 40

BUFFALO, Jan. 18.	
Roses, Beauty, special.....	40 00@50 00
.. fancy.....	30 00@35 00
.. extra.....	20 00@25 00
.. No. 1.....	10 00@15 00
.. No. 2.....	5 00@ 7 00
.. Bride, Maid, Killarney.....	6 00@15 00
.. Killarney, White and Pink.....	6 00@15 00
Carnations.....	2 00@ 5 00
Callas.....	12 00@15 00
Lilium Longiflorum.....	12 00@15 00
Lilium Speciosum.....	4 00@ 6 00
Lily of the Valley.....	3 00@ 4 00
Mignonette.....	3 00@ 4 00
Narcissus Paper Whites.....	2 00@ 3 00
Stelia.....	1 00@ 1 25
Sweet Peas.....	75@ 1 00
Violets.....	50@ 75
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprenger.....	35@ 50
Asparagus Str.....	50@ 60
Ferns.....	per 1000. \$2 00
Galax, green and bronze.....	1 50
Leucothoe Sprays.....	75
Smilax.....	15 00

ALFRED H. LANGJAHR
WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

Charles H. Totty

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Chrysanthemum Novelties my specialty.

Moore, Hentz & Nash,

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Madison Square.

NEW YORK.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.
Mention the American Florist when writing**Walter F. Sheridan**

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Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

KESSLER BROS.

136-138 W. 28th St., NEW YORK.

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WHOLESALE PLANTSMEN AND FLORISTS

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Prompt and satisfactory. Consignments solicited
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Successor to FORD BROS.

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Telephone 3870-3871 Madison Square
Mention the American Florist when writing**August Millang**

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N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing

—FLOWERS SHIPPED BY—

P. J. SMITH,Are the best product of the best growers
for the New York market.

Adiantum Croweanum sold here exclusively.

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Wholesale Florists

Consignments Solicited.

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Cut Flower Folding Boxes

Satisfaction Guaranteed.

Per 100	Per 100
18x5x3.....\$1 75	24x8x5.....\$3 50
21x5x3½.....1 85	28x8x5.....3 75
24x5x3½.....2 35	30x8x5.....4 50
28x5x3½.....2 90	36x8x5.....5 50
30x5x3½.....3 00	30x12x6.....6 25
21x8x5.....2 85	36x14x6.....7 50

Double Violet Bozes.

9 x4x4.....\$1 75	10x7x6.....\$2 50
9½x6x5.....2 25	12x8x7.....3 00

We constantly carry a large assortment of **FLORISTS' SUPPLIES** and can fill orders at a moment's notice.

Henry M. Robinson & Co.,

Special Offer

FOR JANUARY

Green and Violet Tin Foil, best quality
17c per lb. **Plain Tin Foil**, 9c per lb.
Dagger and Fancy Ferns, A No. 1
quality, \$1.25 per 1000.
Brilliant Bronze and Green Galax,
\$1.00 per 1000; \$7.50 per 10,000.
Boxwood, excellent quality, 16c per lb
Southern Wild Smilax, \$6 per case.
Imported Bronze and Green Magnolia,
\$2.00 per basket.

Imported Cycas Leaves

Finest Quality. Per 100

4x8 -inch.....	\$2 00
8x12-inch.....	2 50
12x16-inch.....	3 00
16x20-inch.....	3 50
20x24-inch.....	4 00
24x28-inch.....	5 00
28x32-inch.....	6 00
32x36-inch.....	7 00
36x40-inch.....	8 00

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15 PROVINCE ST., 9 and 15 CHAPMAN PLACE,

Boston, Mass.

Fancy Ferns, - \$1.75 per 1000



New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000 \$7.50
Sphagnum Moss, large bales.....\$1 25; 6 bales, \$7.00. Extra Fine
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per bunch, 35c; 50-lb. case, \$8.50
Magnolias, Brown and Green, Imported stock.....per basket, \$2.50; 6 baskets, \$2.00 each

Discount on orders of 10,000 or more. Florists in the Middle and Western
States can save money by placing their orders with us. A trial order solicited.

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Wholesale Commission Florists and Florists' Supplies,

All Phone Connections.

DETROIT, MICH.

38-40 Broadway,



Mention the American Florist when writing

Omaha, Neb.

Christmas and New Year's business were good, the stock was plentiful on account of the summer-like weather and prices were about the same as former years. Poinsettia are wanted more and more as are Azaleas. Begonia Gloire de Lorraine has seen its days, the people prefer an azalea or even a good primrose or a fine pot of poinsettia. Ferns, palms and araucaria moved better than in former years, made up baskets and ferneries moved slowly. 1910 was certainly the best year we ever had. Since January 1 the business has been irregular, mostly funeral designs, a very few parties and weddings. Stock now is not too plentiful and prices are firm, American Beauties are scarcer, violets are more plenty, lilac and sweet peas are shown in the windows. Bulbous stock is coming in, both Trumpet Majors and tulips.

J. J. H.

CRAWFORD, N. J.—E. T. Durnklee will open a flower store on Eastman street, near the station.

Laurel Wreathing and Sheet Moss

Galax, Leucothoe and Ferns

Shipped to all parts. We are strictly wholesale. 15 years' experience in florist business in Chicago. Write for prices to

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Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
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Telephone 1202 Madison Square.

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NOW READY FOR SHIPMENT.

Southern Wild Smilax

Can fill all orders, large or small, promptly,
on receipt of same.
Give us a trial. We know we can please you.

Galdwell the Woodsman Co., Evergreen, Ala.

Mention the American Florist when writing

Southern Wild Smilax

Now ready for shipment.

Perpetuated and
Natural Sheet

MOSSSES

Satisfaction guaranteed.

E. A. BEAVEN,

Evergreen, Ala.

50-lb. case

Extra Fine SMILAX

\$1.75 per case
QUALITY GUARANTEED

When in need of extra good Smilax
in any quantity, write or wire

Henry M. Robinson & Co.
Nadawah, Ala.

You can rest assured that all orders
placed with us will be filled to your entire
satisfaction.

Unknown customers, satisfactory refer-
ences or C. O. D

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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CHOICEST FLOWERS ARTISTICALLY ARRANGED.

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Established in 1857.



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WE HAVE THE BEST FACILITIES IN THE CITY

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Greenhouses: Short Hills, N. J.
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We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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The Park
...Floral Co.

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Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone,

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J. H. Small & Sons
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Mention the American Florist when writing

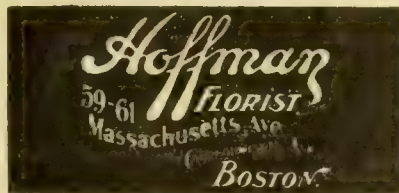
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Wholesale and Retail Florist

25 Monroe St.

Mention the American Florist when writing



Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

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H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will carefully execute orders for
Kansas City, and any town in

Missouri, Kansas or Oklahoma

Mention the American Florist when writing

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Omaha, Neb.

Hess & Swoboda

FLORISTS.

1415 Farnum St. TELEPHONES
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Dayton, O.

Matthews,

— FLORIST —

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dia. Phones

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue

We Cover All Points in Ohio.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your
orders for Designs and Cut Flowers in Michigan

Nashville, Tenn.

Geny Bros. LEADING
FLORISTS

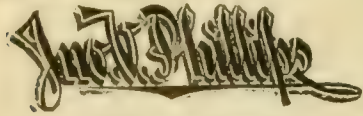
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NASHVILLE, TENN.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Brooklyn, N. Y.



319 MAIN PHONE.
272 Fulton Street.

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery anywhere in Greater New York, Long Island and New Jersey. Established 1874.

Terre Haute, Ind.

John G. Heiml & Son,
129 South Seventh St.

Telephone 247.
We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.

To out of town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater
orders. Prompt deliveries and best
stock in the market.

Name Index to Retail Florists
Filling Telegraph Orders.

- Anderson Floral Co., The, Anderson, S. C.
Anderson, S. A., 440 Main St., Buffalo, N. Y.
Atlanta Floral Co., 41 Peachtree St., Atlanta.
Baer, Julius, 138 E. Fourth St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Blackistone, 14th and H Sts., Washington.
Boland, J. B., 60 Kearney St., San Francisco.
Brettmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Cleveland Cut Flower Co., The, Cleveland, O.
Clark's Sons, David, 2139 Broadway, New York.
Cooke, Geo. H., Washington, D. C.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Galvin, Thos. F., Inc., 124 Tremont St., Boston.
Gasser Co., The J. M., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids.
Gude Bros., Washington, D. C.
Habermehl's Sons, J. J., Philadelphia.
Heiml & Son, John G., Terre Haute, Ind.
Hess & Swoboda, 1415 Farnum St., Omaha.
Hoffman, Florist, Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg Flower and Plant Co., Geo. M., Kan-
sas City, Mo.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 44 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Ia.
McConnell, Alex., 571 5th Ave., New York.
Malandre Bros., 2094 Broadway, New York.
May & Co., L. L., St. Paul, Minn.
Matthews, 16 W. 3rd St., Dayton, O.
Murray, Sam'l, 913 Grand Ave., Kansas City.
Myer, Florist, 609 Madison Ave., New York.
Park Floral Co., The, Denver, Colo.
Palmer & Son, W. J., 304 Main St., Buffalo.
Penn, the florist, 43 Bromfield St., Boston.
Phillips, John V., 272 Fulton St., Brooklyn.
Pollworth Co., C. C., Milwaukee, Wis.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City, Mo.
Schulz, Jacob, 550 S. 4th Ave., Louisville, Ky.
Shaffer, 14th and I Sts., N. W., Washington.
Small & Sons, J. H., 1153 Broadway, New
York; cor. 14th and G Sts., Washington, D. C.
Smith Co., A. W., Keenan Bldg., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Weber, F. H., St. Louis, Mo.
Walker & Co., F., 634 4th Ave., Louisville, Ky.
"Wilson," 3 and 5 Greene Ave., Brooklyn, N. Y.
Witthold Co., Geo., 737 Buckingham Pl., Chi-
cago.
Wolkskill Bros., 216 W. 4th St., Los Angeles,
Calif.
Young's, 1406 Olive St., St. Louis, Mo.
Young & Nugent, New York.

Boston, Mass.



"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We
cover all points in New England.

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Mention the American Florist when writing

New York.

Established 1849

David Clarke's Sons
FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers
Mention the American Florist when writing

Louisville, Ky.

Established 1880

Orders for delivery in this city and every city
in United States and Europe solicited by

M. D. REIMERS

Successor to Chas. W. Reimers.

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Mention the American Florist when writing

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JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.

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J. B. BOLAND

Successor to Sievers & Boland
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60 KEARNEY STREET.

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Cedar Rapids, Iowa.

J. E. LAPES

The Leading Florist of Cedar Rapids,

Will fill your orders for Designs and Cut
Flowers in Iowa and the Middle West.

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Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

Mention the American Florist when writing

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

**Artistic Designs.
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.



**WASHINGTON
D. C.**

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Kansas City, Mo.

Samuel Murray

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS.**

Phones: Home 1388, Cumb. Main 1388 A.

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New York.

Established 1874.

DARDS

**N. E. Corner 44th St.
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Mention the American Florist when writing

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—A. Lange, 44 E. Madison St.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg F. & P. Co.
Kansas City—Samuel Murray, 913 Grand Ave.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Wolfskill Bros.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schultz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Nashville, Tenn.—Geny Bros.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 571 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 Broadway.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—J. J. Habermehl's Sons.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
Terre Haute, Ind.—J. G. Heintz & Son.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone, 14th and H Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.
Western Union Code.

Mention the American Florist when writing

Chicago

A. LANGE,

44 E. MADISON ST.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

Wolfskill Bros.

FLORISTS

Successors to J. W. Wolfskill, Florist.

Telegraph Orders
A Specialty, 216 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of our orders in Wisconsin

The Seed Trade.

American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.
Annual convention at Milwaukee, Wis., June 20-22, 1911.

Much sweet corn is showing low vitality under test.

VISITED NEW YORK: John C. Bodger, of John Bodger & Sons Co., Los Angeles, Calif.

MISS M. W. WILLIAMS, of the Braslan Seed Growers' Co., San Jose, Calif., passed through Chicago last week en route to Washington, D. C.

WASHINGTON D. C.—G. Edw. Schultz, the well-known seedsman, has been confined to his home for the past week with a severe attack of grippe, but is now much improved.

BIDS for supplying the United States Department of Agriculture, Washington, D. C., with seeds for the free government distribution closed January 17. At the time we go to press we are without definite information regarding the allotment of the contract.

DUTCH reports indicate that, so far as it is possible to judge at this time and pending outcome of the February and March weather, hyacinths of the common grades will be somewhat higher, tulips materially lower, crocuses, except yellow, slightly advanced and narcissi about the same, with possible slight advance on some kinds.

French Seed Crops.

Paris, January 5.—The persistency of the wet weather is not only interfering to a considerable extent with the bringing in of 1910 crops, but has already done some damage to those of 1911. The damage is comparatively small in the south and center of France, but in the western district of Anjou, which was partly flooded at different times last summer, some of the fields are again under water this winter, so that the influence of such abnormal conditions is bound to be felt in the end. How far this will affect such crops as were partly planted out, onion, cabbage, parsley, turnip, corn-salad, etc., it is not possible to state at this early date.

American Seed Trade Association.

The executive committee of the American Seed Trade Association met at Detroit, January 11, and selected Milwaukee for the next convention city. There were present, President E. L. Page, all the members of the committee, J. C. Robinson, S. F. Willard, C. N. Page, S. F. Leonard and Kirby B. White, together with Watson S. Woodruff, chairman of committee on seed legislation, Albert McCullough, chairman of the membership committee, W. H. Grenell and John Smith. Arrangements were made to attend the hearing on the Mann bill, which has been postponed to February 2.

Watkins & Simpson's Novelties for 1911.

In the seed novelties offered by Watkins & Simpson of London, England, are some very interesting new varieties which should attract the buyers. Among those that appear to be worthy a trial we note the following:

Anthirrhinum nanum grandiflorum, in six new colors; Maize Queen, salmon with yellow lip; Dainty Queen, beautiful salmon buff; Rose Queen, bright rosy pink; Pink Queen, lovely pink with yellow lip; Buff Queen, lovely shade of rose with deep canary lip; Golden Fairy, shell pink with lemon-yellow blotched lip.

Alyssum compactum Little Dorrit, a grand improvement on Little Gem, being much more compact.

Aster mammoth Mauve Queen, a grand florists' flower of a rich pearl gray; the flowers are of perfect form, large and double, of the Comet class.

Ageratum Mexicanum Capella, a new Tom Thumb ageratum of a pretty rose chamois color and dwarf compact habit.

Balsam improved camellia flowered Primrose, a charming novelty with clear yellow flowers that are extra double, of a pleasing rosette shape, measuring over two inches across.

Broom White Gem, a grand improvement on the old white Portugal, more compact in growth and literally covered with flowers.

Brachycome iberidifolia Little Blue Star, a charming annual with star-shaped flowers of bright blue, growing very compact and free flowering.

Calliopsis nana compacta Red Star, a showy, compact, free flowering plant with small red star-shaped flowers, and Tiger Star, with flowers of a rich bronze beautifully striped and mottled with gold.

Cineraria miniature, a dwarf and distinct type. The plants grow to a height of about eight inches, covered with flowers, and the colors are varied with white centers.

Dianthus superbissimus Queen Alexandra, the purest and largest pure white dianthus ever offered.

Dimorphotheca aurantiaca, a rare and showy annual from South Africa, of easy culture, neatly branched, bearing rich orange gold flowers 2½ inches in diameter. A bed in full bloom is a magnificent sight.

Gaillardia Lorenziana The Bride, an ideal white double annual gaillardia.

Gypsophila elegans carminea, a bright carmine variety covered with bloom.

Lobelia Celestial, a new and distinct shade of blue in lobelias.

Lupinus polyphyllus Excelsior, a fine strain of perennial lupins ranging from very pale to a deep rose and shades of lavender, mauve and blue colors.

Nasturtium Tom Thumb Fireball, orange-scarlet and Feltham Beauty, brilliant scarlet dwarf growing and compact and free-flowering, and Queen of Tom Thumb and tall Queen with variegated leaves in separate colors.

Nemesia hybrida Blue Gem, blue and White Gem white and compacta Triumph, varied colors, and Fire King, fiery scarlet crimson, dwarf growing and free-flowering plants.

Pansy Matchless, a selected strain of perfectly formed pansies of bright colors.

Papaver orientale Excelsior, a new strain of beautiful varieties.

Petunia hybrida Editha, a small flowered petunia for open ground culture, rose color with dark carmine star with pencilled veins and markings.

Sweet Peas: Doris Burt, light scarlet; Masterpiece, rich lavender Spencer type; Earl Spencer, beautiful orange; Mrs. Hugh Dickson, cream pink Spencer on buff ground; Maud Holmes, a sun-proof crimson Spencer.

Poppy Shirley Picotee, a selected strain of Shirley poppies in separate colors.

Schizanthus Wisetonensis Excelsior, a large flowered strain with markings and colors of a fancy pelargonium.

Sweet William Scarlet Beauty, a rich, deep scarlet selection of Pink Beauty.

Wallflower Golden Glory, a new and charming variety of rich old gold color.

Zinnia elegans grandiflora fl. pl. Cardinal, rich glowing crimson, and elegans nana Fire King, deep scarlet flowers, measuring three to four inches in diameter.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence Solicited.

Peas and Beans

We are Growers for the
Wholesale Seed Trade.

When in the market
ask us for prices.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.





Tuberos Begonias

	Per 100	Per 1000
Single { Scarlet	\$2 50	\$22 00
White	2 50	22 00
Pink	2 50	22 00
Yellow	2 50	22 00
Doubles, colors as above.....	4 50	40 00

GLOXINIAS

	Per 100	Per 1000
Fine sound bulbs.....	\$3 50	\$30 00

LILY OF THE VALLEY

	Per 1000
Premium, dormant.....	\$12 00
International, dormant.....	10 00
London Market (storage stock).....	14 00

Lilium Longiflorum (Multis)

	Case Contains	Per 100
6 to 8 inches.....	400	\$3 75
7 to 9 inches.....	300	5 00
9 to 10 inches.....	200	7 00

Lilium Giganteum

	Case Contains	Per 100
6 to 8 inches.....	400	\$4 00
7 to 9 inches.....	300	6 75
9 to 10 inches.....	200	9 75

Lilium Auratum

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 5 50
9 to 11 inches.....	125	8 50
11 to 12 inches.....	75	14 00

Lilium Speciosum Rubrum

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 4 75
9 to 11 inches.....	125	8 00
11 to 12 inches.....	100	13 00

Lilium Speciosum Album

	Case Contains	Per 100
8 to 9 inches.....	225	\$ 7 50
9 to 11 inches.....	125	10 00

TUBEROSES

	Per 1000
Dwarf Pearl, 1st size	\$8 00

GLADIOLUS

	Per 100	Per 1000
Princes.....	\$11 00	
Mrs. Francis King, 1st... ..	2 65	\$23 00
2nd... ..	2 25	18 00
Colvilli alba.....	65	5 00

Vaughan's Seed Store,
CHICAGO.

Florists and Seedsmen, Scratch or Poultry Food

Sell Your Own
We will make it for you under your own brand, for \$28.00 per ton. Send today for sample 100 lb. bag \$1.50. Mr. C. E. Jensen, of Atlantic City, N.J. on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."
J. BOLGIANO & SON, Importers and Wholesalers
(Established for 92 years). Baltimore, Md.

TALL double tuberose seem to have gone out of use in the commercial trade, although there is still some demand for them.

CHICAGO.—Prices on the board of trade January 18 for grass seed were noted as follows: Timothy, \$9 to \$10.25 per 100 pounds. White clover, from \$22 to \$30.

THERE are almost enough Hollanders in Chicago to give notice of the annual Bollen Kweker-Reizigers Vereeniging usually held by these thrifty travelers at this central point.

Cabbage Seed, Peas, Cauliflower Seed

Danish Ball Head Cabbage Seed.....	\$ 2 00 per lb.
Danish Short Stem Ball Head Cabbage Seed.....	2.00 " "
Enkhuszen Glory Cabbage Seed.....	2.00 " "
All Head Early " ".....	1.50 " "
Bolgiano's New Early Cabbage Seed.....	1.50 " "
Early Summer " ".....	1.25 " "
Extra Early Jersey Wakefield Cabbage Seed.....	1.25 " "
Charleston Wakefield " ".....	1.25 " "
Twentieth Century Cauliflower Seed.....	3 50 per oz
The best Cauliflower Seed in the world.....	40 00 per lb.
Extra Early Alaska Peas.....	5.50 per Bu.
Cabbage Plants, all kinds.....	\$1.25 per 1000; \$10.00 per 10,000

F. W. BOLGIANO & CO.,

1009 B. Street, N. W.

WASHINGTON, D. C.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

Sioux City Seed & Nursery Co.

Sioux City, Iowa.

Contracting growers of Peas, Beans and famous Sweet Corn. Introducers of the White Mexican Sweet Corn.

Mention the American Florist when writing

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

SEEDS

If in the market for any kind or quantity, advise

SEED TRADE BUREAU,

713 Postal Telegraph Bldg. CHICAGO, ILL.

COLUMBUS, GA.—The new seed firm of Wills & Thomas will conduct business at 1210 Broad street, the store so long occupied by Mr. Wills in the same line.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Sons,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

SEEDS

OF ALL KINDS APPLY TO

W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Mention the American Florist when writing

Onion Sets

Carlots or Less.

We can save you some money on Onion Sets, write or wire us for prices and samples stating quantity and colors you want.

ALBERT CROLL & CO.

Shippers of Fruits, Vegetables and Produce.
193 South Water Street, CHICAGO.

CHOICE GERMAN

FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY.

Asparagus Plumosus Nanus

GREENHOUSE GROWN SEED
DELIVERY NOW

Per 1000, \$4.00; 5000 for \$18.75

A. HENDERSON & CO.,
51 Wabash Ave., CHICAGO.

Danish Seeds

If you take interest in Cabbage, Cauliflower, Carrot, Mangel, Swede and Turnip, please apply to

CHR. OLSEN, Wholesale Seed Grower, Odense, Denmark
(Established 1862) in order to have your name placed on my mailing list.

To Clean Up 1500 America, 1000 Nezzinscott, 1000 Brencleyensis Gladiolus 1½ and up. Bargain. Write now.

CENTRAL SEED & BULB COMPANY,
Benton Harbor, Michigan.

Baltimore.

SPRING WEATHER.

We have had a week of April mildness, soft rains and balmy breezes. The grass is turning green, the frost is all out of the ground, and out-of-door operations are freely followed. On Saturday J. E. Corse stated that he had planted twenty-five evergreens of large size for a customer who was anxious to have signs of things progressing on his suburban place. This weather has not contributed to promote business, however; the continued showers and fogs deterring many persons from going into the downtown districts. There have been one or two good weddings which demanded fine material, and some funerals where large displays were made. Notable among the latter was that of General Ferdinand C. Latrobe, an eminent citizen who had been seven times mayor of Baltimore, and at the time of his decease and for several years previously was president of the Park Commission.

NOTES.

At the annual meeting of the Florists' Exchange Michael Lohr was elected one of the board of directors, replacing Wm. G. Lehr. There were no other changes, and the old officers were re-elected, namely: Isaac H. Moss, president; Frederick C. Bauer, vice president; Charles E. Akehurst, treasurer; Philip B. Welsh, secretary. The annual statement showed that the business done for the year exceeded that of any other year by a very handsome margin, and a dividend of \$25 per share on the capital stock was ordered distributed. It is not yet announced, but it is to be assumed that John J. Perry will be reappointed as manager for the current year. S. B.



Dreer's Double Petunias.

OUR DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer 15 distinct varieties, in strong, 3-inch pots, which will quickly furnish an abundance of cuttings. Strong, 3-inch pots, 75c per doz.; \$6.00 per 100; the set of 15 for \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS.** Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per ½ oz.

Our **Quarterly Wholesale Price List**, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.
The above prices are for the Trade only.

HENRY A. DREER, Philadelphia, Pa

Mention the American Florist when writing

Carnation Rooted Cuttings ON LIBERAL TERMS.....

Name.	Color.	Per 100	Per 1000
Dorothy Gordon,	Deep pink.....	\$5 00	
Sara Nicholson,	Dark red.....	4 00	\$35 00
Beacon,	Red.....	3 00	25 00
Victory,	Red.....	3 00	25 00
Winona,	Deep pink.....	3 00	25 00
Rose Enchantress,	Deep pink.....	3 00	25 00
Winsor,	Deep pink.....	3 00	25 00
Enchantress,	Light pink.....	3 00	25 00
May Day,	Light pink.....	3 00	25 00
White Perfection,	White.....	3 00	25 00
White Enchantress,	White.....	3 00	25 00
Lady Bountiful,	White.....	3 00	25 00
Bon Ami,	White.....	3 00	25 00

Sara Nicholson produced more good blooms than any Dark Red Carnation we have ever seen.

Wanted—Customers for regular shipments of first-class Carnation Blooms, Lilies, Lily of the Valley, and various kinds of flowering plants. We supply retail trade at wholesale prices and save you the commissionman's profit.

We will extend liberal credit to parties of good standing.
Send us your orders early.

Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

Mention the American Florist when writing

MANN'S Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Vaughan's Flower Seeds

	Trade pkt.	oz.				
Ageratum, Imperial dwarf blue.....	.10	\$.25	Hybrid Moonflower, Early Blooming.....	lb., \$4.00	.10	.40
Imperial dwarf white.....	.10	.25	Leardi, dark blue, splendid.....		.15	.80
Blue Perfection, dwarf new.....	.10	.30	Linaria Cymbalaria (Kenilworth Ivy).....	1/4-oz., 40c	.15	1.20
Princess Victoria Louise, beautiful blue and white.....	.10	.40	Lantana Hybrids, mixed.....		.05	.15
Little Blue star, new, best dwarf.....	.50		Lemon Verbena.....	1/4-oz., 45c	.25	
Alyssum, Sweet.....	lb., \$1.25	.05	Lobelia Crystal Palace Compacta.....		.10	1.00
Vaughan's Little Gem, extra fine strain.....	.10	.50	Speciosa for hanging baskets.....	1/4-oz., 15c	.10	.50
Asparagus Plumosus nanus, Northern Greenhouse Grown, 1,000 seeds, \$4.00; 100 seeds, 60c.			Emperor William, dwarf.....	1/4-oz., 25c	.10	1.00
Asparagus Sprengerii, 1,000 seeds, 75c; 100 seeds, 15c.			Bedding Queen, best dwarf.....	1/4-oz., 25c	.15	1.50
Balsam, Alba Perfecta. This is the largest and best double white Balsam.....	1/4-oz., 20c	.60	Hamburgia, best for hanging baskets.....		.25	
Begonia, Single tuberous-rooted giant flowered mixed.....	.50		Maurandya, mixed.....		.10	1.00
Double tuberous-rooted, giant flowered, mixed.....	.35		Mignonette, True Machet.....	1/4 oz., 25c; 2 ozs., 75c	.10	.50
Vernon.....	1/2-oz., 30c	2.00	New York Market. Packet, about 1 000 seeds, 50c; 1/4-oz., \$1.00; oz., \$7.00.			
Luminosa Gracilis new, better than Vernon.....	.25		Mimulus (Musk Plant).....	1/4-oz., 30c	.10	1.00
Gracilis Prima Donna.....	.25		Petunia, Giants of California, mixed.....		.25	
Berna. The foliage is very dark, flowers are large, bright, carmine red.....	.25		"Vaughan's Best" mixture of large flowering Petunias, Trade pkt. (1,000 seeds), 50c.			
Erfordi. A splendid bedder. Blooms all summer.....	.25		Vaughan's large flowering Double Petunias, Trade pkt. (1,000 seeds), \$1.25.			
Browallia, Speciosa Major.....	.25		Pyrethrum aureum, Golden Feather.....		.10	.25
Candytuft, Giant Hyacinth, flowered white.....	.05	.20	Pyrethrum crispum.....		.15	
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds.....	lb., \$2.00	.20	Salvia Splendens, Clara Bedman (Bonfire).....		.25	2.50
Celosia, Coxcumb, President Thiers.....	.15	1.00	"Drooping Spikes".....		.25	1.80
Pride of Castle Gould.....	.50		Fireball, new.....	1/4-oz., \$1.00	.50	7.00
Centaurea, Candidissima (Dusty Miller).....	.25	.75	Zurich, new, very dwarf and early.....	1/4-oz., \$1.00	.35	7.00
Gynnocarpa.....	lb., \$2.75	.05	Primula Obconica Grandiflora, mixed.....	500 seeds, 50c		
Cineraria Maritima Diamond.....	.10	.80	Large flowering, pink.....	500 seeds, 50c		
Cobaea Scandens, blue.....	lb., \$4.00	.10	Large flowering, pure white.....	500 seeds, 50c		
Clematis Paniculata, White, sweet scented.....	lb., \$6.00	.15	Gigantea Rosea.....	500 seeds, 50c		
Large-Flowering Jackmanni Hybrids.....	.25	2.00	Gigantea Kermesina.....	500 seeds, 50c		
Coleus, Mammoth Rainbow.....	.25		Stocks, large flowering, extra choice, mixed.....		.25	1.25
Large-leaved, mixed.....	.25		Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary.....		.25	1.50
Cyperus Alternifolius, Umbrella plant.....	.15	1.00	One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers.			
Dracaena Indivisa.....	.10	.30	White Perfection or Princess Alice, Blood-Red, Brilliant Lilac Pink. Each.....	1/4-oz., 40c	.25	2.50
Indivisa Lineata.....	.10	.40	Mixed, the above colors and others.....	1/4-oz., 35c	.20	2.00
Indivisa Latifolia.....	.10	.50	Prince Bismarck, White.....	1/4-oz., 50c	.25	
Australis.....	.10	.60	Smilax, new crop.....	lb., \$3.00	.10	.25
Daisy, Burbank's Shasta, new Double Fringed.....	1/4-oz., 25c	.15	Thunbergia, mixed.....		.10	.40
Shasta, single.....	.15		Torenia, Fournieri Grandiflora.....	1/4-oz., 30c	.10	
Echeveria, (Hen and chicken), mixed.....	100 seeds, 20c		White Wings, white.....	1/4-oz., 30c	.10	
1,000 seeds.....	\$1.00		Bailion.....	1-16 oz., 50c	.25	
Metallica.....	100 seeds, 30c; 1,000 seeds, \$2.50			Trade pkt. 1/4-oz.	.50	
Secunda glauca.....	100 seeds, 15c; 1,000 seeds, \$1.00		Verbena, Vaughan's Best Mixture.....	\$.25 \$.50	\$2.00	
Feverfew, Matricaria Capensis plenissima.....	.10	.40	Mammoth, mixed.....	.10	.25	.80
Forget-me-not, Vaughan's early and late flowering.....	.10	.80	Mammoth, White.....	.15	.25	.80
Fuchsia, double and single varieties.....	200 seeds, 60c		Mammoth, Purple.....	.25	.50	2.00
Geranium, Apple-scented, 1,000 seeds, \$1.00; 200 seeds, 25c			Firefly, scarlet, white eye.....	.15	.40	1.20
	Trade pkt.	oz.	Defiance, brightest scarlet.....	.10	.20	.80
Grevillea Robusta silk oak.....	lb., \$3.50	.10	Dark blue with a white eye.....	.10	.20	.70
Ipomoea Noctiflora, Moonflower, white seeded.....	lb., \$2.50	.10	Mayflower, soft pink.....	.10	1.00	
Black seed.....	lb., \$2.80	.10	Vinca Rosea, Rosea fl. albo and pure white, each.....	.10	.50	
Giant Pink (Northern Light).....	.10	.40				

New Preliminary Flower Seed List Ready. Please write for same if you have not received one.

10 Per Cent Special Cash Discount. On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

VAUGHAN'S SEED STORE,
25 Barclay St., NEW YORK.
84 and 86 Randolph St. CHICAGO.
803-805 W. Randolph St.

Westchester and Fairfield Hort. Society.

A number of gardeners and florists met at the Rye Nurseries December 28, 1910, on invitation and formed the Westchester and Fairfield Horticultural Society. At the last meeting held at the Rye Nurseries January 11, 1911, it was decided that the meetings be held the second Friday of each month at Royal Arcanum Hall, in Stamford, Conn., at 8 o'clock sharp. The officers of the society are:

James Stewart, president.
 Alex Geddes, vice-president.
 Martin M. Benedek, secretary.
 Thos. Aitchison, treasurer.
 Wm. Morrow, Chas. Adcock, H. L. Hand, Robert Williamson and J. T. Burns, executive committee.

All who are interested in this society will kindly address the secretary, Box 136, Mamaroneck, N. Y.

MARTIN M. BENEDEK, Sec'y.

MANKATO, MINN.—About 10 per cent increase over the sales last year is the report of N. Neilson. The supply of roses, carnations and violets was just about right to meet the demand. The quality, compared to last year, was better and the wholesale prices higher, consequently the retail prices advanced, but the increase went into the grower's pocket. There was a good demand for flowering plants which sell better every year.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1767.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Onion Seed -- Onion Sets

We are Extensive Growers and Dealers
 Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

Schilder Bros., Chillicothe, O.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,
 37 East 19 St., New York
 bet. Broadway and 4th Ave.,
 Telephone 4235 Gramercy.

Seeds Fresh Seeds

"For Early Sowing." Trade pkt. Oz.
 Salvia, Clara Bedman, "Bonfire".....\$0.25 \$2.25
 Salvia, Splendens......15 1.00
 Verbena, S. & I. Choice Mammoth Mixed......25 1.50
 Verbena, S. & I. Choice Mammoth, separate colors......25 1.25
 Lobelia, Crystal Palace Compacta......25
 Lobelia, Speciosa (Trailing)......15
 Begonia Luminosa, fiery, dark scarlet......40
 Begonia Vernon.....1-16 oz., 50c .25
 Petunia, Giants of California.....1-16 oz., \$2.00 .50

Asters (Vick & Hill grown). See catalogue.

Skidelsky & Irwin Co.
 1215 Betz Bldg., Philadelphia, Pa.
 Send for our new catalogue.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

B. L. Watts, State College, Pa., President;
H. F. Hall, Grand Rapids, Mich., Vice-President;
S. W. Severance, 503 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Prices of Indoor Fruits and Vegetables.

New York, January 14.—Mushrooms, 40 cents per pound; cucumbers, 18 cents each; lettuce, \$1.10 per dozen heads; tomatoes, 40 cents per pound; radishes, 60 cents per dozen bunches; asparagus, \$7 per dozen bunches; rhubarb, \$1 per dozen bunches; grapes, \$1 per pound; string beans, 40 cents per quart; lima beans, 40 cents per quart; peas, 40 cents per quart.

Chicago, January 17.—Mushrooms, 15 cents to 20 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; lettuce, 20 cents to 22½ cents per pound; radishes, 10 cents to 40 cents per dozen bunches.

Seasonable Notes.

With the turn of the year no time should be lost to start tomato seeds for the spring crop under glass. Tomato plants are slow to come along and this is not too early. Where a medium scarlet tomato is wanted, Comet will answer; for larger fruit, Bonny Best or Chalks Jewel are good ones. For pink tomatoes Globe and Beauty are the kinds. Globe is a pretty good forcer if properly handled and there is none better to eat; in fact, well grown greenhouse Globes will rival the finest peaches in delicacy.

With cucumbers the case is different. Most inexperienced and many experienced operators start their plants too early, which is a serious mistake. We allow only four weeks to produce heavy cucumber plants. If one has no warm house to forward these, make a hotbed with manure inside the greenhouse and see them jump. By this we mean a regular hotbed with hot manure and sash, just like outdoors, only under shelter, as we can ventilate them so much better inside than outside. Cucumbers should be started in brisk heat and never stopped.

MARKETMAN.

Cincinnati.

MARKET EASY.

The business locally is moving along the even tenor of its way. There is generally plenty of stock and hence no arguments as to why one should get more of this kind or that kind than was allowed him. Three or four warm days had no effect on the quality and condition of the shipments. All arrived in first class shape. The prices in general are fair. American Beauties in all lengths are plentiful. Killarney are somewhat short of the demand and at times Brides are too, but taken all in all there is enough to supply the demand. Carnations continue to come in stronger and the prices have gone down, but at this low figure they clean up nicely. The amount of single violets is increasing in numbers and they are taking away some of the call for doubles. The latter, though good in quality, sell at bottom prices. Paper White narcissus and Roman hyacinths are making what is probably

their last big splurge of the year and are glutting the market. Orchids last week were in larger supply than the market required. Lily of the valley and sweet peas are regular factors. Poinsettias are still offered and are of good quality. In green goods asparagus plumosus is more or less scarce, while there is a very strong demand for fancy ferns.

NOTES.

Wm. Murphy has installed in his sales office a clock the large hand of which shows the progress the guarantee fund is making.

C. E. Critchell and L. H. Kyrk received large shipments of fresh green wood moss last week.

O. Woodworth, representing the Sifton Co. of Chicago, called on the trade the past week.

Julius Baer is reported to have had the Seasongood golden wedding decoration.

Miss Edith F. Kyrk has been exceedingly busy with decorations.

Wm. Murphy has been receiving a nice lot of lilies.

Al Horning is the "candy kid" when it comes to sweeping the pins off the alley and just waltzing away with the prizes. At the last meet he won the cash prize donated by Wm. Murphy; this week he carried off a knife given by the J. M. McCullough's Sons Co.

	1st game.	2nd game.	Average.
Al. Horning	168	154	165
Ed. Schumann	140	169	160
Will Schumann	175	144	157
R. C. Witterstaetter	134	155	151
Ray Murphy	143	171	146
Frank Deller	118	146	142
R. Deller	133	168	138
C. H. Hoffmeister	128	167	120
Frank Bull	98	120	116
H. Sunderhaus	97	131	115
Ed. Bossmeyer	118	123	111
O. H. Hoffmeister	90	102	100
Laurence Fritz	110	98	100
Alex. Osdendarp	149	98	104
Chas. Pfeiffer	81	87	84—
			H.

Buffalo.

CHANGEABLE WEATHER.

With a decided change in the weather from the cold and white Christmas to almost the warmth of April is what Buffalo is experiencing up to today. Business has also undergone the same change. Christmas trade this year was, we are pleased to say, larger than last year, with a good supply of everything except carnations, which were higher at wholesale than ever before, an extreme shortage, owing to dark weather, being the reason. Roses were of excellent quality and reasonable in price, ranging as they did from \$1.50 per dozen for Bon Silene to \$25 per dozen for Beauties. Those were the extremes. The average price for carnations was \$1.50 per dozen. Violets of finest quality were sold at from \$1.50 to \$4.00 per bunch. Orchids, lily of the valley and gardenias in artistic arrangements for gifts were close seconds to the violet and gaining in favor very fast. Roman hyacinths, narcissus and stevia having the usual demand at regular prices. As to plants the usual Christmas ones were in, namely, poinsettias, always popular and never better than this year; begonias, azaleas, primulas, ardisias and cyclamens were in good supply and well grown. Tastefully arranged baskets of growing plants prettily trimmed were in good demand. Holly, mistletoe, laurel and other greens had their usual call, the quality being good. Boxwood wreaths with

poinsettias or ruscus were rivals of the holly this year and were a welcome change. Ground pine was scarce but not missed, as laurel is more acceptable for decorating and as easy to handle. Small fancy vases and baskets of boxwood, ruscus and winter berries were a new idea here and were good sellers. Society was very active from the Monday before Christmas until New Year's. Receptions, dinners and balls were scheduled for every afternoon and evening, which gave the florists plenty of work and all going to make a successful holiday trade. Weddings of different sizes were also on the list, one in Warren, Pa., took several of S. A. Anderson's men three days to finish.

NOTES.

January 1 brought a few changes in the stores: John Kramer, who opened a new place on upper Main street in November, has sold out to Miss Gertrude Sauer, formerly with S. A. Anderson, Mr. Kramer again associating himself with his father on the market. J. H. Rebstock has vacated his Elmwood greenhouses and store for S. A. Anderson and removed to the Gibbs' block, a few doors from his former location.

The coming meeting of the Buffalo Florists' Club promises to be very interesting from a store point of view. Edward Slattery of Palmer's, Fred Brown of Anderson's and Rowland Cloudsley of the Lenox Flower Shop are going to talk on ideal stores and their management to be followed by a debate from the others.

The leading hotels had special dinners for New Year's Eve and had beautiful decorations. The different florists who had the hotels vied with each other in artistic work. Their work was excellent, showing originality in each decoration.

Each day brings another "bulb man" and some had the courage to call during Christmas and New Year's.

BISON.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing



ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs. \$2.00
selected specimens } 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City } 25 bricks \$ 3.50
Pure Culture } 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 25 Barclay St

Mention the American Florist when writing

Seeds for the Market Gardener

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

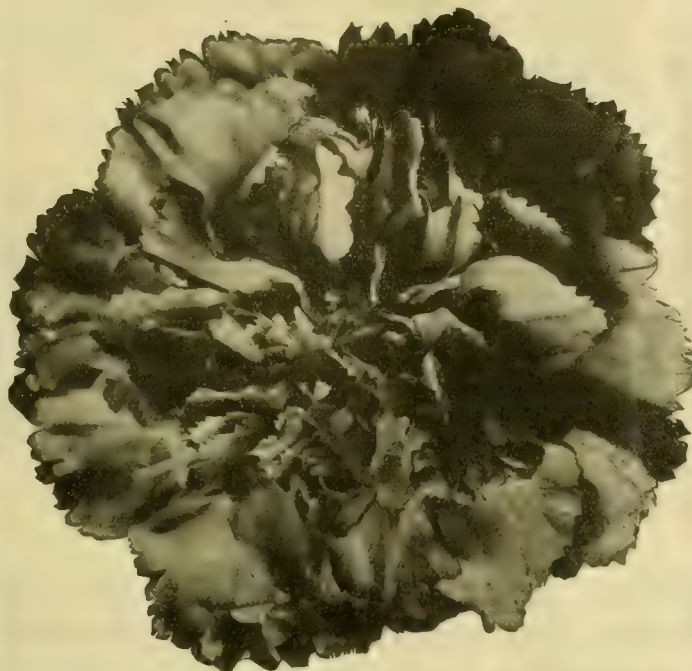
Our new 136 page, 25th anniversary, catalogue contains true description and no overdrawn illustrations. Our prices are right quality considered. Market Gardeners are requested to write for our Market Gardeners' Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE,

Box 700
Established 1886

Beatrice, Neb.

Rooted Carnation Cuttings



Ready for Immediate Delivery A No. 1 Stock guaranteed satisfactory in every respect.

	Per 100	Per 1000
Washington, cerise, a sport from Enchantress.....	\$10 00	\$ 75 00
Princess Charming, beautiful flesh pink.....	12 00	100 00
Conquest, variegated.....	6 00	50 00
Sangamo, brilliant pink.....	6 00	50 00
Mary Tolman, deep flesh.....	6 00	50 00
Dorothy Gordon, pink, excellent....	6 00	50 00
Scarlet Glow, very good.....	6 00	50 00
J. Whitcomb Riley, yellow.....	6 00	50 00
Shasta, white.....	6 00	50 00
Pink Delight, flesh pink.....	6 00	50 00
May Day, flesh pink, very free.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Winsor.....	3 00	25 00
Winona.....	3 00	25 00
Alvina, cerise.....	3 00	25 00
Aristocrat, cerise.....	3 00	25 00
Afterglow.....	3 00	25 00
White Enchantress.....	3 00	25 00
White Perfection.....	3 00	25 00
O. P. Bassett, scarlet.....	3 00	25 00
Victory.....	3 00	25 00
Beacon.....	3 00	25 00

CHICAGO CARNATION CO.,

A. T. PYFER, Manager
Phone Central 3373.

35-37 Randolph St., Chicago.

Read This Advertisement

If You are DESIROUS OF SAVING MONEY when Building.

NOTE what the oldest florists in the City of Chicago have to say about our construction.

CAN YOU speak likewise of your wooden construction?

IF NOT, do not again contemplate using wooden gutters in your new houses—

BECAUSE, when you write us you will find that Garland semi-iron or trussed iron frame houses are not more expensive.

Although we do not claim to be able to sell you one of our semi-iron houses for less than you can buy an all-cypress house, still we do claim that the **extra light, saving of crops from drip, non breakage of glass, quickness in disposing of snow off roof of house, and—last but not least—that they will last indefinitely**, and will not have to be replaced within 12 years, will more than compensate for the small extra cost.

FOR FURTHER INFORMATION, ADDRESS

GEO. M. GARLAND CO., Des Plaines, Ill.

ESTABLISHED 1887

THE GEO. WITTBOLD COMPANY
1657-1659 BUCKINGHAM PLACE
CHICAGO, ILL.

BRANCH STORE:
812 North Clark St.
Phone North 854

Dec. 28, 1908.

G. M. Garland Co.,
Des Plaines, Ill.

Dear Sirs:—

We are in receipt of your communication of the 21st, asking us in regard to the gutters we purchased from you about 15 years ago. I believe these are some of the first gutters that were cast by your company, and I wish to say that some of the houses in which these gutters were used have been torn down and rebuilt and larger houses constructed, using the same gutters, for the gutters are just as good as they were 15 years ago. Iron gutters will last a life-time, and our experience with iron gutters has been very satisfactory. We feel sure that when once a person has used them, he never will go back to the old, wooden gutters again.

Very truly yours,
THE GEO. WITTBOLD CO.
PER
Louis Wittbold

The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;
E. S. Welch, Shenandoah, Ia., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-sixth annual convention to be held
at St. Louis, Mo., June 14-16 1911.

THE thirty-second biennial meeting of the American Pomological Society will be held at Tampa, Fla., February 10 and 11, 1911.

SENATOR DEPEW, on January 9, introduced in the Senate of the United States a bill (S. 10098) to provide for the introduction of foreign nursery stock by permit only.

Rosa Rugosa From Seed.

In the article on Rosa Rugosa by E. O. Orpet in THE AMERICAN FLORIST, issue of December 24, 1910, page 1126, the author gives a very good description of Rosa Rugosa and tells of inferior stock which he calls a mongrel strain and then tells how to raise Rosa Rugosa from seed, finishing the article by saying the hybridizer or plant mixer has proven himself a meddler. Now I have raised Rosa Rugosa from seed of the true stock three different times in the last ten years and never got anything else but the inferior stock which he calls the mongrel strain, a few of which I still have in the nursery under further trial, the rest all being destroyed. I hope if any reader follows the advice given he will have better results than I have had. Try root cuttings and propagate the same, for every little root left in the ground when the plants are dug sends up a plant in the spring.

G. INDERMUHLE.

New Jersey Floricultural Society.

The New Jersey Floricultural Society held their regular meeting January 13 in Lindsley Hall, 240 Main street, Orange, N. J. The officers for the ensuing year were installed by the Rev. L. H. Lightfe, the botanist of the society, who said a few words of encouragement to each. Competition for the silver cup closed with the following results: Roses—A. B. Jenkins, Albert F. Larson, gardener, first; Thos. A. Edison, Frank Drews, gardener, second. Carnations—S. M. & A. Colgate, William Reid, gardener, first; Chas. Hathaway, Max Schneider, gardener, second. Seedling carnations—William Reid, first; Albert F. Larson, second. Orchids—Lager & Hurrell, Summit, N. J., first. Foliage plants—William Reid, first. Flowering plants—William Reid, first. Competition for 1911 will commence at the February meeting and end at the December meeting. There will be two classes for orchids, one for the commercial growers, the other class open to all except commercial growers. Two classes for roses. A separate class for American Beauties. A vegetable class. The "B" class calls for a vase of any one kind of cut flowers. The "B" class is for the smaller growers.

The society will hold its annual smoker at the February meeting. Eight new candidates were elected to membership in the society, five other names were put in nomination. Annual reports from the secretary and treasurer were read. The treasurer's report showed a nice balance in the treasury. Altogether 1910 was a very successful year for the society and the future looks very bright. The monthly com-

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

ROSA POLYANTHA (Multiflora)

Good stock for grafting Roses, when Manetti and Grifferæ can not be had. Transplanted 1-year seedlings:

1st size, 4 to 8 mm.....\$35.00 per 10,000
2nd size, 3 to 4 mm.....20.00 per 10,000

See Wholesale List for all other French Stocks.

E. TURBAT & CO.,

Orleans, France.



Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

Jacs Smits & Co., NAARDEN (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

petition for points keeps up the interest in the society and keeps the competitors on the alert all the time watching their stock, otherwise the other fellow would get ahead of them.

WILLIAM REID, Sec'y.

HAVERHILL, MASS.—John E. Tabor has sold his interest in the Rosemont greenhouses at North Parish to his former partner, W. F. Eaton.

MANCHESTER, N. H.—The Christmas sales for 1910 were about 50 per cent more than 1909, reports S. H. Mead & Co. The quality of the flowers was better with prices about the same and on account of cloudy weather we were handicapped in the supply, violets being quite short throughout this part of New England. The demand and supply for bulbous flowers was good. The call for flowering plants was greater than last year.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

Mention the American Florist when writing

DAHLIA ROOTS

Whole Field Clumps, at \$5.00 per 100 and up: 1000 in 10 distinct kinds, either show, decorative or Cactus our selection of kinds for \$40.00. Cash.

Canna Roots, Strong division, at \$2.00 per 100. \$12.00 per 1000 and up. Send for list.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

—For the Best New and Standard—

DAHLIAS

—address—

PEACOCK DAHLIA FARMS,
Williamstown Junction, N. J.
Post Office: Berlin, N. J.

500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years transplanted.

CHAS. BLACK, Hightstown, N. J.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.
Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

Lancaster, Mass.—Miss Clara Francis has just opened the White Rose greenhouses.

Vaughan's Roses for Forcing

Try the two improved Baby Ramblers:
Jessie, per doz., \$5 50; per 100, \$40 00
Phyllis, per doz., 3 00; per 100, 22 00
 They are comers. Write for description.

Baby Ramblers

2-year per doz., \$2 00; per 100, \$14 00
 3-year per doz., 2 50; per 100, 16 00
 ½ standard, each 1 00; per doz., 10 00

Mrs. Cutbush

2-year per doz., \$2 50; per 100, \$16 00

Crimson Ramblers

2-year per doz., \$2 00; per 100, \$15 00
 3-year per doz., 3 00; per 100, 18 00
 Standards, 3 to 4 feet, each 75c

Dorothy Perkins

2-year per doz., \$2 00; per 100, \$15 00

Hiawatha

2-year per doz., \$3 50; per 100, \$25 00
 Standards, 3 to 4-ft. stem, each 1 00

Lady Gay

2-year per doz., \$3 00; per 100, \$20 00
 Standards, 3 to 4 ft. stem, each 75c

Tausendschon

2-year per doz., \$3 00; per 100, \$20 00

Hybrid Perpetuals

Anna de Diesbach, Magna Charta,
 Baroness Rothschild, Mrs. John Laing,
 John Hopper, Ulrich Brunner.
 2-year per doz., \$1 75; per 100, \$14 00
 Mrs. R. G. S. Crawford, Paul Neyron
 and others.
 2-year per doz., \$2 00; per 100, \$15 00

Manetti

100 1000 5000
 French 1 50 12 00 50 00

Aucuba Japonica

Variegated foliage, bushy.
 18 inch each, \$0 75; per doz., \$ 8 00
 18-24 inch each, 1 00; per doz., 11 00
 Tubs each, 2 50 to \$3 00

Forcing Stock

Azalea Mollis

Fine bush plants, with 30 to 50 buds, each 50c;
 per doz., \$4.50; per 100 \$35.00.
 Plants with 75 to 100 buds, each \$1.00; per dozen
 \$ 0.00.

Deutzias

Per doz., 100
 Gracilis, 7-in. pot grown, \$2 00 \$15 00
 Lemoinei, 7-in. pot grown, 2 50 16 00

Rhododendrons

Best named varieties for Easter forcing.
 Each Doz.
 Bushy, well shaped plants, 8-12 buds, \$1 00 \$ 9 00
 " " " 12-18 buds, 1 25 12 00
 " " " 18-24 buds, 2 00 20 00
 All of this stock is freshly imported and very
 choice. Early orders receive first attention.

WE ARE HEADQUARTERS FOR

Boston Ferns

Our stock took first prize at the Chicago Flower
 Show this fall. It is just the kind of stock you
 need. Order now.
 Each Doz. 100
 2½-inch pot plants \$ 10 \$ 75 \$ 5 00
 3-inch pot plants 15 1 25 8 00
 4-inch pot plants 25 2 50 20 00
 5-inch pot plants 40 4 50 35 00
 6-inch pot plants 75 8 00 60 00
 7-inch pot plants 1 00 10 00 75 00
 8-inch pot plants 1 25 14 00 100 00
 10-inch pot plants 2 50—\$3.00 each.
 Prices are f. o. b. Western Springs, Ill.

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84-86 Randolph St. CHICAGO 25 Barclay St. NEW YORK.

BEGONIAS

Flowering Kind

Rooted cuttings, \$1.75 per 100.
 Express paid.

S. D. BRANT, Clay Center, Kans.

A Grand New Carnation

Bright Spot

Outclasses everything heretofore grown in the dark pink class.
 Won first honors in the 100 class for best dark pink at the
 A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago
 Flower show, November, 1909.

It is a pure bright dark pink of even shade, size 3½ inches, an early
 and continuous bloomer, brings fully 25 per cent more flowers to the
 plant than Lawson at its best; flowers well shaped on long wiry
 stems; calyx does not split. It is a good shipper, and the cuttings
 root easy.

Price per 100, - - - \$ 12.00 Price per 5000 - - - \$400.00
 Price per 1000, - - - 100.00 25 at 100, 250 at 1000 rates,

Place your order now, to be in on early deliveries.

NIC. ZWEIFEL, North Milwaukee,
 Wisconsin.

Mention the American Florist when writing

Seasonable Stock

Kentia Belmoreana, 2½-in pot plants \$3 00
 per 100; 3-in. pot plants, \$15.00 per 100; 4-in.
 pot plants, 12-15-in. high, \$35.00 per 100; 5-in.
 pot plants, 15-18 in. high \$60.00 per 100

Nephrolepis Scholzei, 2½-in. \$5.00 per 100;
 5-in. strong, \$6.00 per doz: \$40.00 per 100.

Asparagus Sprengerii, Strong 5-in. pot
 plants, 15c.

Rhododendrons, Fancy forcing varieties. 6
 to 8 buds at 60c; 8 to 12 buds at 75c; 12 to 16
 buds at \$1.00.

Dracaena Indivisa, 2½-in po stock for
 growing on at \$3.00 per 100.

Solirea, large forcing clumps. Gladstone,
 \$9.00 per 100; Florabunda, \$4.50 per 100;
 Superba, \$6.00 per 100. Blondin, \$6.00 per 100;
 Washington, \$6.00 per 100; Japonica at \$4.00
 per 100.

Heliotrope, Purple, in five good varieties,
 \$3.00 per 100; \$25 00 per 1000.

Boxwood, Bush shape for window boxes or
 pot sale, very bright foliage and bushy. 10 to
 12-in. high \$20.00 per 100; 12 to 15-in. high,
 \$25.00 per 100. Full line of sizes in both Pyra-
 midal and Natural Bush forms. Prices on
 application.

Dahlias, Fine collection of field grown
 clumps. (Special circular on application.)

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QUALITY PLANTS

Per 100
 2½-inch Boston, Whitman and Scottii \$ 3.50
 3-inch 8.00
 4-inch Boston and Scottii 15.00
 4-inch Whitman 12.50
 5-inch Boston and Whitman 20.00
Asparagus Plumosus, 2-inch 2.50
 " 3-inch 5.00
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Asparagus-Sprengerii, 4-inch 7.00
 Per 100 Per 1000
Vinca Variegata, out of 2-inch pots
 (These are divisions from field-
 grown stocks and will make fine
 plants) \$2.00 \$18.00
Shasta Daisy Alaska, 2-inch 2.00
Salvia Splendens, 2-inch 1.50 12.50
Coleus, Golden Bedder, Verschaf-
 feltii and others 1.50 12.50
 — Cash, please, —

THE REESER PLANT COMPANY

Successor to
 Reeser & Youngstrand, Springfield, Ohio
 Mention the American Florist when writing

— 100 STOCK PLANTS OF —

Poinsettias

out of 5 and 6-in. pots, at 10c.
 100 *Primula Obconica*,
 in bud and bloom, out of 4-in., at 10c.
 50 *Asp. Sprengerii*,
 out of 4-in., at 8c.
 — Cash, please. —

EDGAR EASTERDAY, Nokomis, Ill.

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S. A. Nutt, \$11.50 per 1000.
Ricard, 14.00 per 1000.
Poitevine, 14.00 per 1000.

All sold until the latter part of February

Coleus

Verschaffeltii, \$6.00 per 1000
Golden Bedder, 6.00 per 1000
Standards in assortment 5 00 per 1000
Giant Leaved, extra fine 10.00 per 1000

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Hydrated and pulverized and bagged,
 will keep indefinitely in a dry place.
 Send for circular, or better yet try a
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DELPHINIUM FORMOSUM

Hardy Lilies

Tenulfolium, Wallacel, Hansonl, Henryl, etc.
IRIS KAEMPFERl, **DAPHNE CNORUM**
 and **GERMAN IRIS**.

Write for Prices.

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Roses for 1911

Dark Pink Killarney.

A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. When Killarney is pale, Dark Pink Killarney is bright and cheerful.

Grafted plants only from 2 1/4-inch pots.
\$20.00 per 100; \$180.00 per 1000.

Lady Cromwell.

A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer and a color that sells.

Grafted plants only from 2 1/4-inch pots.
\$30.00 per 100; \$250.00 per 1000.

Radiance.

Strong in growth and making plenty of stem. Cerise pink in color.

Grafted plants, \$18.00 per 100; \$150.00 per 1000
Own root, 10.00 per 100; 90.00 per 1000

Double Pink Killarney.

Originating with Robert Scott & Sons, who supply us the wood for grafting. Stronger in growth than Killarney and with at least ten more petals. A wonderful improvement.

Grafted stock only.

\$30.00 per 100; 250.00 per 1000.

Mrs. Aaron Ward.

By far the most pleasing of the yellow roses now on the market. A general favorite, and one which will be widely grown, for yellow roses are in demand.

Grafted plants, \$25.00 per 100; \$200.00 per 1000
Own root, 12.00 per 100; 100.00 per 1000

Melody.

We have reserved for our orders own root plants of this choice novelty. No grafted plants.

From 2 1/4-inch pots.
\$30.00 per 100; \$250.00 per 1000.

Prince de Bulgarie

The best prices for cut flowers should be the standard for judging roses, and this rose has been the money getter. Strong and vigorous in growth, and with its beautiful shell pink bloom it has sold on sight. One of the best roses grown.

Grafted plants, \$20.00 per 100; \$180.00 per 1000
Own root, 15.00 per 100; 120.00 per 1000

**Killarney, White Killarney,
Richmond, My Maryland,
Kaiserin Augusta Victoria.**

These are the old standards, and we are headquarters for young stock.

Grafted plants \$15.00 per 100; \$120.00 per 1000
Own root, 2 1/2-in. 6.00 per 100; 50.00 per 1000

A. N. PIERSON, Inc.,

Cromwell, Conn.

Primroses

	Per 100
Obc. Alba and Rosea.....	\$1 50
Obc. Gigantea.....	2 00
Asp. Sprengeri.....	2 00
Alternantheras, yellow, R. C.....	60

—Cash—

JOS. H. CUNNINGHAM, Delaware, O.

ROSES

A SPECIALTY.

**The Dingee & Conard Co.,
WEST GROVE, PA.**

ROSES

50 Sorts in Leading Varieties. Teas, Hybrid Teas and Hybrid Perpetuals. Nice, thrifty 2-inch stock, or large 2-year-old plants. Write for list.

Let us know your wants.

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Lager & Hurrell, Summit, N. J.

We Can Still Supply

IN FIRST-CLASS CONDITION:

Araucarias

OUR SPECIALTY.

We are the largest importers of these lovely decorative plants, the **Araucaria Excelsa**, **Robusta Compacta** and **Glaucia**. 6,000 of the choicest last spring importation now ready for immediate shipment. It is of no use to look elsewhere for cheaper prices. We now control and will control the market of the Araucarias in the future.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5 1/2-6-7 in. pots, 15-18-20-25-30 in. high, 3-4-5-6 tiers, 2-3-4-5 years old. 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. We give big value for your money. Just think! An elephant 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high, for only 60c to \$1.00; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers for only \$1.00; and what do you think a holy terror 30 in. and over, 5-6-7 tiers, worth \$700, for only \$1.25 to \$1.50.

Robusta Compacta, **Excelsa Glaucia**, 6-in. pots, \$1.00, \$1.25, \$1.50 to \$2.00 each. We also have the nicest **Araucaria Robusta Compacta** and **Excelsa Glaucia**, a house full, for only \$1.25 to \$1.50, worth double.

Primula Chinensis, mostly white, 5 1/4-in., \$2.50 per doz.

Asparagus Sprengeri, 2 1/2-in., 3c; 4-in., 10c.

Jerusalem Cherries, or **Solanum** 6-in. pots, 25c, 35c, 50c; full of ripe berries.

Dracena Bruantii, 25 to 30 in. high, 6-in. pots, 40c to 50c. Highly recommended for store and house decoration: stands heat, cold and dust.

Latania Borbonica (Chinese Fan Palms), 30 to 35 in. high, 6 to 7 in. pots, 50c, 75c to \$1.00 each.

Adiantum Hybridum, 6-in. pan, 25c to 30c.



Azalea Indica, Easter forcing: **Versaenana**, Professor **Volters**, **Empress of India**, **Schryveriana**, double variegated 60c, 75c, \$1.00 to \$1.50; **Mme Van der Cruyssen**, **Simon Mardner**, pink, **Niobe**, white, **Apollo**, red, 60c, 75c, \$1.00, \$1.25 to \$1.50. In large plants we have **Niobe**, **Helena Thielman**, **Bernard Andreas Alba**, white, **Mme. Van der Cruyssen**, and others, \$1.50, \$2.00 to \$2.50.

Kentia Forsteriana, in fine shape, 6-in. pots, 30-35-40-45 in. high, 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Kentia Belmoreana, 30-35-40 in. high, 5-5 1/2-6-7 in. pots, 5-6-7 years old, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, combination plants, 25 to 30 in. high, made up of 3 plants, 6 to 7 in. pots, \$1.00, \$1.25, \$1.50 to \$2.00; 4-in., 20 in. high, 20c to 25c.

Our Ferns this year are exceptionally very fine: **Boston**, **Scottii**, **Whitmanii** and **Scholzei**, 5 1/2 and 6-in., 35c, 40 and 50c; 7-in., large bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot-grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on **Scottii**, much shorter and bushier than **Scottii** 5 1/2 in. pots 50c; 3-in. pots, 25c.

Pteris Wilsonii, 3 large bushy plants in 6-in. pan, 30c to 35c per pan.

Ferns for Dishes, big assortment, 2 1/2-in. pots, at \$4.00 per 100.

Cocos Weddelliana, 3-in. pots, 15c, 18c and 20c.

Spirea Cladstone, started, in 5 1/2 to 6-in. pots, at 15c, 20c to 25c.

Cineraria Grandiflora Hybrida, **Aschmann's** so well-known superior strain which brought as high as one dollar a plant wholesale last Easter. Now is the best time if you want good plants for Easter. We have a very large stock of 4-in., ready for a shift into 6-in.; price, only \$10.00 per 100; 3-in., \$3.00 per 100.

Mention if ship with or without pots.

Cash with order, please.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

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Importer of Potted Plants.

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In all bright colors; fine forcing varieties; good value.
\$9 00, \$12 00, \$15 00, \$18 00 per doz.

CAMELIAS. Well budded plants, variety of colors, \$15 00, \$18 00, \$24 00 per doz.

ACACIA PARADOXA. Fine plants, \$12 00, \$18 00, \$24 00 per doz.

Pot-Grown Forcing Plants.

	Per 100	Doz.
Azalea Mollis	\$35 00	\$4 50
Dentzia Gracilis	15 00	2 00
Lilac, Charles X Marie Le Graye, extra size, for 8-9 in. pots		10 00
Malus, Flowering Crab		15 00
Diclytra Spectabilis	6 00	
Aucuba Variegated, for window boxes, 12-15 in.		4 00
Aucuba, fine plants, 18-24 in.		9 00

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Our stock is larger and finer than ever. We can fill orders for any quantity in all sizes.

HARDY HERBACEOUS PLANTS. We grow a large quantity and variety of these popular florist plants.

Mail Us Your List of Nursery Wants for Quotations. Order early to save heavy express charges; impossible to ship by freight in cold weather. Ask for Wholesale Catalogue.

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ROSES.

H. P., low budded, 2-yr., fine stock for forcing in pots, in all the leading varieties. \$15.00 per 100; \$125.00 per 1000

We have a fine strong, healthy collection of **Standard Roses**, in all the leading varieties, at \$6.00 per doz.

H. T., low budded, 2 yr., fine stock for forcing in pots. \$20.00 per 100

Crimson Rambler, home grown, 2-year old, 2-3 ft. Per doz. 100

well branched, own roots \$2 00 \$12 00

2-year old, 2-3 feet, well branched, budded 2 00 12 00

3-year old 3-4 feet, well branched, own roots 3 00 15 00

3-year old, 4-5 feet, well branched, budded 3 00 15 00

Dorothy Perkins, strong field grown 2 00 15 00

Baby Rambler, half standard, 30 in. high. 9 00

Lady Gay, 2-year old. 2 00 15 00

Baby Rambler, dormant, field grown, selected, budded plants. 16 00

A visit to our greenhouses and nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of nursery products. Shall be pleased to give special prices on lists.

EVERGREENS.

We have a large quantity and fine assortment of small **Evergreens**, for Winter Boxes and Vases. 10-12 inches, \$20 00 per 100; 12-15 inches, \$25 00 per 100; 15-18 inches, \$35 00 per 100.

RUTHERFORD, N. J.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.
Whitman Ferns, 4-in. 25c each. 5-in. 35c.
Boston Ferns, 5-in. 25c each.
Vinca Var., 2-in. \$2.00 per 100.
Dracena Ind., 4-in., \$10.00 per 100.
Heliotrope, Blue, R. C., \$1.00 per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

Roses in 200

sorts for immediate or spring delivery.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

A New Nephrolepis Giatrasii

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2 1/4 inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received.

Now Ready for Delivery.

GEORGE GIATRAS, 463 Summit Ave., West Hoboken, N. J.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St., BROOKLYN, N. Y.

Calla Elliottiana..

Largest size.....\$20.00 per 100
2nd size..... 15.00 per 100

Leedham Bulb Company, Santa Cruz, Calif.

CARNATIONS

100,000 rooted cuttings, strong, healthy guaranteed.
Pink Delight, Dorothy Gordon, Apple Blossom, Wanoka, \$6.00 per 100, \$50.00 per 1000.
Cash or C. O. D. from unknown parties.

Order now for early delivery.

By the way have you ordered

RAINBOW

the coming Carnation? Awarded A. C. S. Certificate at Pittsburg. Orders booked now for January, 1912, delivery. \$12.00 per 100; \$100.00 per 1000.

Wanoka Greenhouses, Barneveld, N. Y.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

D. U. AUGSPURGER & SONS CO.
FLORISTS,

BOX 778,

Peoria, Illinois.

Mention the American Florist when writing

Robert Craig Co..

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Rooted Carnation Cuttings

For December Delivery.

ENCHANTRESS, PERFECTION, BEACON, \$3.00 per 100; \$25.00 per 1000.

ROSE PINK and WHITE

ENCHANTRESS, WINSOR,

\$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co.,
JOLIET, ILL.

Mention the American Florist when writing

Verbenas! Verbenas!! Verbenas!

The Gem Bedding Plant.

Send for circular.

J. L. Dillon
Bloomsburg, Pa.

Mention the American Florist when writing

Pansy Plants.

None better at any price. \$2.50 per 1000; 5000, for \$10.00.
Daisies and Forget-me-nots, fine plants \$2.50 per 1000.

Primula Chinese, Cineraria, Asp. Sprengeri, Snapdragons, Giant double Petunias (Dreer's) fine plants out of 2 1/4 inch pots, \$2.00 per 100; \$5.00 for 300

Violets, field-grown, Lady Campbell to clean out, \$3.00 per 100; \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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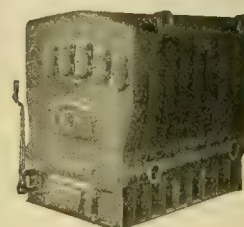
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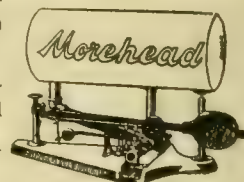
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¶ The installation of a Morehead Return Steam Trap in a greenhouse is absolute evidence of progressiveness on the part of the florist,

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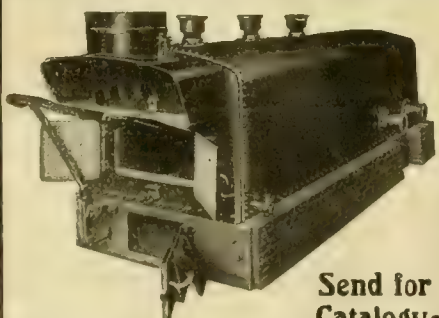
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Send for Catalogue

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10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum Stella Gurney, R. C., 50c, 100; \$4. 1,000. Cash. J. P. Cannata, Mt. Freedom, N. J.

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Alternantheras, red, yellow and Brilliantissima, rooted cuttings, 60c per 100; \$5 per 1,000; 2½-in., \$2 per 100; \$18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Alternantheras, yellow, R. C., 60c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. McHutchison & Co., 17 Murray St., New York.

ASPARAGUS.

Asparagus plumosus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000; 3-in., strong, \$6 per 100. Asparagus Sprengeri, 2½-in., strong, \$2.50 per 100; \$22.50 per 1,000; 3-in., strong, \$4 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000; 3-in., \$6 per 100; Asparagus Sprengeri, 2½-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, 2-in., \$1.50 per 100; 2½-in., \$2.50 per 100; 3-in., extra strong, \$4 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus, 2-in., \$2.50 per 100; 3-in., \$5; 4-in., \$10. Sprengeri, 4-in., \$7. Reeser Plant Co., Springfield, O.

Asparagus plumosus nanus seed, per 1,000, \$4; 5,000, \$18.75. A. Henderson & Co., 51 Wabash Ave., Chicago.

Potbound 3-in. Sprengeri, can be shifted into 5-in., \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus Sprengeri, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 4-in., Sc. Edgar Easterday, Nokomis, Ill.

Asparagus Sprengeri, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 5-in., 15c. Storrs & Harrison Co., Painesville, O.

Asparagus Sprengeri, 2½-in., 3c; 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

AUCUBAS.

Aucuba Japonica, 18 ins., 75c each; \$8 per doz.; 18-24 ins., \$1 each; 11 per doz.; tubs, \$2.50 to \$2 each. Vaughan's Seed Store, Chicago and New York.

Aucubas, var., 12-15 ins., \$4 per doz.; 18-24 ins., \$9. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azalea mollis, 50c each; \$4.50 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Azaleas. Jacs Smits, Naarden, Holland.

BAY TREES.

Bay trees, McHutchison & Co., 17 Murray St., New York.

Bay trees, Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia, flowering, R. C., \$1.75 per 100; express paid. S. D. Brant, Clay Center, Kans.

Begonia Glorv of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwoods, \$15, \$20 and \$25 per 100. Anton Schulteis, College Point, N. Y.

Boxwood. McHutchison Co., 17 Murray St., New York.

BULBS.

Bulbs. For varieties and prices see advertisement on 2d cover page of this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Calla Elliottiana, large size, \$20 per 100; 2nd size, \$15. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Japanese lilies, giganteum, multiflorum, etc. McHutchison & Co., 17 Murray St., New York.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, Sec. Chebanne, Cinnibar, M. Berat, \$1.75 per 100. Mrs. Kate Gray, \$2. Robusta and mixed (all good sorts) \$1. Wagner Park Conservatories, Sidney, O.

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ROOTED CARNATION CUTTINGS.

	Per 100	Per 1000
Washington	\$10.00	\$75.00
Sangamo	\$6.00	\$50.00
Mary Tolman	6.00	50.00
Conquest	6.00	50.00
White Enchantress	3.00	25.00
May Day	3.00	25.00
Beacon	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winona	2.50	20.00

Satisfaction guaranteed.

DES PLAINES FLORAL CO., Des Plaines, Ill.

Carnations, Dorothy Gordon, \$6 per 100; \$50 per 1,000. Beacon, Victory, Enchantress, Rose Pink Enchantress, White Enchantress, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations, Pink Delight, Dorothy Gordon, Apple Blossom, Wanoka, \$6 per 100; \$50 per 1,000. Rainbow, \$12 per 100; \$100 per 1,000. Wanoka Greenhouses, Barneveld, N. Y.

Carnation, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000; Rose Pink and White Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. F. Dorner & Son Co., La Fayette, Ind.

Strong and well rooted pure White Enchantress and Lawson Enchantress, \$20 per 1,000. Gony Bros., Nashville, Tenn.

Carnations, R. C., \$13 to \$20 per 1,000 for best standard varieties. Write for quotations. Northwestern Floral Co., Wilmette, Ill.

Carnation Dorothy Gordon, R. C., \$6 per 100; \$50 per 1,000. Joseph Heacock, Wyncote, Pa.

Carnation Bright Spot, \$12 per 100; \$100 per 1,000. Nic. Zweifel, North Milwaukee, Wis.

Carnation Bonfire, \$12 per 100, \$100 per 1,000. The E. G. Hill Co., Richmond, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, novelties for 1911 and standard sorts. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cinerarias, large flowering dwarf, 3-in., \$3 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cineraria, 2½-in., \$2 per 100. J. C. Schmidt, Bristol, Pa.

COLEUSES.

Coleus, standard varieties, including Golden Bedder and Verschaffelti, rooted cuttings, 75c per 100; 2½-in., 2c; young 3-in. plants for stock, 4c each. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, Golden Bedder, Verschaffelti and others, \$1.50 per 100; \$12.50 per 1,000. Reeser Plant Co., Springfield, O.

Coleus, Verschaffelti, Golden Bedder, \$6 per 1,000. Standards assorted, \$5. A. M. Herr, Lancaster, Pa.

Coleus, G. Bedder, Verschaffelti, etc., 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

Crotons, 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. A. N. Pierson, Inc., Cromwell, Conn.

CUTTINGS.

CUTTINGS.

Ageratum, blue	\$5.00 per 1,000
Coleus Pfister, red, a pretty crinkly or crested leaf variety	6.00 per 1,000
Coleus Pfister, yellow, a pretty crinkly or crested leaf variety	6.00 per 1,000
Alternanthera, red	5.00 per 1,000
Alternanthera, yellow	5.00 per 1,000
German Ivy	4.00 per 1,000
Salvia Splendens	6.00 per 1,000
Chrysanthemums, Bonnaillon	3.00 per 100
Chrysanthemums, Buckbee	3.00 per 100
Chrysanthemums, Enguehard	3.00 per 100

STOCK PLANTS OF CHRYSANTEMUMS.
Bonnaillon, yellow \$3.00 per 100
Enguehard, pink 3.00 per 100
Nonin, white 3.00 per 100

GEO. WITTBOLD CO.,

737 Buckingham Place, Chicago.

CYCLAMENS.

Cyclamen, well grown, fine strain, 4-in., \$15 per 100; 5-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

DAISIES.

Shasta daisy Alaska, 2-in., \$2 per 100. Reeser Plant Co., Springfield, O.

Daisies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

DEUTZIAS.

Deutzias, Gracillis, 7-in., \$1.50 per doz.; \$12 per 100; Lemoinel, 7-in., \$2.50 per doz.; \$16 per 100. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracena indivisa, 4-in., \$10 per 100; 2-in., \$2 per 100; \$18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracena indivisa, extra strong, 2½-in., one-year-old, \$3 per 100; \$25 per 1,000. Cash. Henry Daut, Decatur, Ill.

Dracena Bruntii, 6-in., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmons, Newton, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ERICAS.

Ericas. For varieties and prices see advertisement elsewhere in this issue. Anton Schultze's, College Point, N. Y.

FERNS.

Ferns, Boston. 2½-in., \$30 per 1,000. Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Magnolia, 2½-in., 15c each. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, for sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piermont, 2½-in., 4c; 3-in., 5c. Elegantissima, 3-in., 10c; 2½-in., 5c. Special prices on large specimen ferns. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Reeser Plant Co., Springfield, O.

Ferns. Scholzei, 2½-in., \$5 per 100; 5-in., \$6 per doz.; \$40 per 100. Storrs & Harrison, Painesville, O.

Ferns, Whitman, 4-in., 25c each; 5-in., 35c. Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on 1st cover page of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Neph. Glatrasi, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatrasi, 463 Summit Ave., West Hoboken, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FIGUS.

Ficus. McHutchison & Co., 17 Murray St., New York.

FORGET-ME-NOTS

Forget-me-nots, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

GERANIUMS.**ROOTED CUTTINGS.**

The "Big Four" bedders, S. A. Nutt, Gen. Grant (semi-double), Beaute Pottevine, Mme. Buchner. Strong, healthy cuttings, well rooted, prompt delivery, \$1.50 per 100; \$15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums. Nutt, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Pottevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums. Special offer: see advertisement on front cover. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums. S. A. Nutt, \$11.50 per 1,000. Pottevine, Ricard, \$14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., 5c; 4-in., 10c; \$90 per 1,000. La Favorite, 2½-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

GREENS.

Greens, dagger and fancy ferns, \$1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, \$7.50. Laurel Wreaths, 10-in., \$1.75 per doz.; 12-in., \$2.25; 14-in., \$3; 16-in., \$4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens of all kinds. For varieties and prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38 Broadway, Detroit, Mich.

Greens, laurel wreathing, sheet moss, galax, leucothoe and ferns. Swan & Cheggin, Roan Mountain, Tenn.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, 50 lb. case smilax, \$1.75. Henry M. Robinson & Co., Nadawan, Ala.

Greens of all kinds. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Wild smilax and other decorative greens. Geo. M. Carter, Evergreen, Ala.

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Hardy herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOPTROPS.

Heliotrope Centefleur, \$10 per 100. E. G. Hill Co., Richmond, Ind.

Heliotrope, 2-ins., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Heliotrope, 5 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Heliotrope, R. C., \$1 per 100. Geo. M. Emmans, Newton, N. J.

IVY.

Ivy, R. C. English, \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

LANTANAS.

Lantanas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Charles X. Marie Le Graye, 8-9 in. pots, \$10 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs, pot-grown, Souv. de L. Spath, Marie Le Graye, \$1 each; \$8 per doz.; \$60 per 100. Vaughan's Seed Store, Chicago and New York.

Lilacs, Charles X., 50c each; \$5 per doz. Jackson & Perkins Co., Newark, N. Y.

Lilacs, Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.**To Import.**

Lily of the valley. Finest grade of pips grown by Mr. E. Neubert, Wandsbek, Germany. New York representative, H. Frank Darrow, 26 Barclay St., New York City.

Lily of the Valley, Chicago Market Brand, \$1.75 per 100; \$15 per 1,000. Early for forcing, \$12.50 per 1,000. H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley, Premium dormant, \$12 per 1,000. International dormant, \$10. London Market (storage), \$14. Vaughan's Seed Store, Chicago.

Lily of the valley. For prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Lily of the valley pips, cases of 1,000, \$9 per 1,000; cases of 3,000, \$8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley pips. Hamburg or Berlin type. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley. Finest Hamburg pips from cold storage at all seasons. H. Frank Darrow, 26 Barclay St., New York City.

MANETTI.

Manetti, French, \$1.50 per 100; \$12 per 1,000; \$50 per 5,000. Vaughan's Seed Store, Chicago and New York.

Manetti, English, \$12 per 1,000. French, \$10. Jackson & Perkins Co., Newark, N. J.

MUSHROOM SPAWN.

Mushroom Spawn, English, 25 lbs., \$2.00; 100 lbs., \$6.50; American, 25 bricks, \$3.50; 100 bricks, \$12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Aristolochia Siphon, 3-yr., strong, \$15 per 100. Cornus Amomum, 2-3 ft., \$6. White Snowberry, 2½-3½, \$6. Crataegus Oxycantha, 2½-3½, \$6. Write for additional surplus list. Henry Lake Sons, Black River Falls, Wis.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 721, 258 Broadway.

Orchids, all commercial, cattleyas and novelties. Carrillo & Baldwin, Seacaus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANSIES.

Pansies (transplanted); these are heavily rooted; strong plants, much superior for early spring blooming than seedling plants; finest 6 varieties, 75c per 100; \$5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansy plants. Large flowering, choice show variety, \$3 per 1,000; \$12.50 for 5,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Pansies, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

PALMS.

Palms, Kentia Bel., 2½-in., \$8 per 100; 3-in., \$15 per 100; 4-in., \$35; 5-in., \$60. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Kentias. McHutchison & Co., 17 Murray St., New York.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. McHutchison & Co., 17 Murray St., New York.

PETUNIAS.

Petunias, double, 3-in., 75c per doz.; \$6 per 100; set of 15 for \$1. Seed of fringed, 75c per 500 seeds; \$1.50 per 1,000 seeds; single, 50c per trade pkt.; \$1 per 1-16 oz.; \$1.50 per ¼ oz. Henry A. Dreer, Philadelphia.

POINSETTIAS.

Poinsettias, 5 and 6-in., 10c. Edgar Easterday, Nokomis, Ill.

PRIMULAS.

Primula obconica, giants, 3-in., \$3 per 100. Kewensis, 3-in., \$3 per 100; big strong plants. Cash please. J. W. Miller, Shiremanstown, Pa.

Primula chinensis, 5½-in., \$2.50 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Primroses, Obc. alba and rosea, \$1.50 per 100. Obc. gigantea, \$2. Jos. H. Cunningham, Delaware, O.

Primula Obconica, 5-in., \$15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Primula obconica, 4-in., 10c. Edgar Easterday, Nokomis, Ill.

Primulas, Chinese, 2½-in., \$2 per 100. J. G. Schmidt, Bristol, Pa.

PRIVET.

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

RHODODENDRONS.

Rhododendrons, named vars., 8-12 buds, \$12 each; \$9 per doz.; 12-18 buds, \$1.25 each; \$12 per doz.; 18-24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. McHutchison & Co., 17 Murray St., New York.

Rhododendrons. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, budded field grown H. P., extra fine, roots and tops. Frau Karl Druschki, in large supply. Huntsville Wholesale Nurseries, Huntsville, Ala.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses for forcing. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. Bobbink & Atkins, Rutherford, N. J.

Roses, 2½-in. For varieties and prices see advertisement on front cover. Good & Reese Co., Springfield, O.

Rosa polyantha (Multiflora), 1st size, \$33 per 10,000; 2nd size, \$20. E. Turbat & Co., Orleans, France.

Roses, hybrid perpetual and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses. Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses. Dingee & Conard Co., West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 50 leading varieties. Wagner Park Conservatories, Sidney, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvia Splendens, 2-in., \$1.50 per 100; \$12.50 per 1,000. Reeser Plant Co., Springfield, O.

SEEDS.

ASPARAGUS PLUMOSUS NANUS SEED.

house grown; a high grade seed and absolutely true to name.

1,000 seed.....\$2.50	10,000 seed.....\$2.00
5,000 seed.....2.25	20,000 seed.....1.75

On larger quantities write for quotations.

LOS ANGELES FLOWER MARKET.

414½ So. Broadway. Los Angeles, Calif.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

Seeds, stocks. For varieties and prices see advertisement elsewhere in this issue. Fottler, Flske, Rawson Co., 12 Faneuil Hall Sq., Boston, Mass.

Seeds. Vaughan's new crop flower seeds. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, cabbage, peas, cauliflower. F. W. Bolgiano & Co., 1009 E St., N. W., Washington, D. C.

Seeds, cauliflower, cabbage, mangold, Swede turnip. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds. Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds, aster. Elmer D. Smith & Co., Adrian, Mich.

Seed, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Onion seed and sets. Schilder Bros., Chillicothe, Ohio.

Seeds, all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds for market gardeners. German Nurseries and Seed House, Box 700, Beatrice, Neb.

Contract Growers.

Seeds. Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, growers of peas, beans, sweet corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohrbert, Gilroy, Calif.

CORN. Field, flint, and sweet corns, contract grower to the trade. Ratekins Seed House, Shenandoah, Iowa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds. Growers for the wholesale trade only. Brazilian Seed Growers' Co., San Jose, Calif.

Florida grown watermelon seed Hugh M. Taylor, contract trade grower, Lloyd, Florida.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds, field, garden and flower. Rontzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax, \$1.75 per case. Needle pines, 2 to 4 ft., \$3.50 and \$4 per 100. Henry M. Robinson & Co., Pine Apple, Ala.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

VEGETABLE PLANTS.

Forcing tomatoes, Comet and Lorillard, 2½-in., \$2 per 100. Roney Bros., West Grove, Pa.

VERBENAS.

Lemon verbenas, 2-in., \$2; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomburg, Pa.

VINCAS.

Vinca variegata, R. C., \$1 per 100; 2½-in., \$2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000. Reeser Plant Co. Springfield, O.

VIOLETS.

Violets, Lady Campbell, \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

TO EXCHANGE.

To Exchange—Canna bulbs, rooted chrysanthemum cuttings or Sangamo carnation cuttings for geranium rooted cuttings. Jos. F. Klimmer, 812 Dunlap Ave., Forest Park, Ill.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling Co., E. C., 32-36 Randolph St., Chicago.

Badgley, Riedel & Meyer, Inc., 34 W 28th St., New York.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W 28th St., New York.

The Florists' Exchange, 729 13th St., N. W., Washington, D. C.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 136 W. 28th St., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Kuebler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 55 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 55 W. 26th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pennock-Meehan Co., S. S. 109 W. 28th St., New York.

Pittsburg Cut Flower Co., 121 7th St., Pittsburg.

Pittsburg Florists' Exchange, 15 Diamond Sq., Pittsburg, Pa.

Randall, A. L. Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 6th St., Minneapolis, Minn.

Robison & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Siebrecht & Siebrecht, 136 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston, Mass.

Weiss & Sons, Charles, 128 W. 28th St., New York.

Young & Co., A. L., 54 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston.—Thos. F. Galvin, Inc., 124 Tremont St.

Boston.—Hoffman, 5961 Mass. and Commonwealth Aves.

Boston.—Penn, the Florist, 43 Broomfield St.

Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Brooklyn, N. Y.—John V. Phillips, 272 Fulton St.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cedar Rapids, Ia.—J. E. Lapes.

Chicago—A. Lange, 44 E. Madison St.

Chicago—Geo. Wittbold Co., 737 Buckingham Pl.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dallas, Tex.—Texas Seed and Floral Co.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids—Grand Rapids Floral Co.

Grand Rapids, Mich.—Eli Cross, 25 Monroe.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City—Wm. L. Rock Flower Co.

Los Angeles, Calif.—Wolfskill Bros., 216 W. 4th St.

Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Louisville, Ky.—F. Walker & Co., 634 4th Ave.

Milwaukee—C. C. Pollworth Co.

Nashville, Tenn.—Geny Bros.

New York—David Clark's Sons, 2139 Broadway.

New York—Dard's, 44th and Madison Ave.

New York—Alex McConnell, 571 5th Ave.

New York—Malandre Bros., 2094 Broadway.

New York—Myer, Florist, 609 Madison Ave.

New York and Washington—J. H. Small and Sons.

New York—Young and Nugent.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Philadelphia—J. J. Habermehl's Sons.

Philadelphia—Robt. Kift, 1725 Chestnut.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

Rockford, Ill.—H. W. Buckbee.

St. Louis—F. H. Weber, Boyle and Maryland Aves.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

St. Louis—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 St. Paul, Minn.—L. L. May & Co.
 San Francisco—J. B. Boland, 60 Kearney St.
 Terre Haute, Ind.—John G. Heinel & Son, 120 So. 7th St.
 Toronto, Can.—Dunlop's, 96 Yonge St.
 Washington—Blackstone, 14th and H Sts.
 Washington—Geo. H. Cooke, Conn. Ave. and L St.
 Washington, D. C.—J. H. Small & Sons, Cor. 14th and G St.
 Washington—Gude Bros.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers, steel return tubular. Johnston Heating Co., 131 E. 26th St., New York.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plainville, La.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

GOLDFISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.
 920 Randolph St. Chicago, Ill.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Glazing points. Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Siebert's zinc never-rust glazing points, 2 sizes $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb.; 18c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

INSECTICIDES.

Fresh tobacco stems in bales, 200 lbs., \$1.50; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton \$12. Scharff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, \$1 per quart; \$2.50 per gal. Fungine, 75c per quart, \$2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

MATS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrinor, Pa.

MISCELLANEOUS.

Building and propagating sands, fire brick, fire clay, Portland cement, stonekote and hard wall plaster. R. I. W. Damp resisting paint. Garden City Sand Co., Chamber of Com. Bldg., Chicago.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Draper's recording thermometers, 14x20 ins., \$30; 9x14 ins., \$20. The Draper Mfg. Co., 152 Front St., New York.

Model extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

New imported florists' baskets. The Rædlein Basket Co., 713 Milwaukee Ave., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., New York.

Cut flower boxes. For sizes and prices see advertisement elsewhere in this issue. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Vacuum heating system. Chicago Pump Co., 1061 Fulton St., Chicago.

Glass for greenhouses. W. R. Jones & Co., 502 Union Nat. Bk. Bldg., Columbus, O.

Superior carnation staple, 1,000, 50c postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Gummed gold, silver and purple letters. J. Lichtenberger, 1566 Avenue A, New York.

Pillsbury's Carnation Staples, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Poultry food. J. Bolgiano & Son, Baltimore, Md.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston.

POTS, PANS, ETC.

"NUFSED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

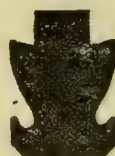
The Red Pot, C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems, about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

A. DIETSCH COMPANY

2642 Sheffield Ave.
CHICAGO



Greenhouse Material

Hot Bed Sash

Do you wish to have a perfect gutter, lasting, not leaking, not sweating? Use our Cedar Gutter.

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Price \$3.00 Postpaid.

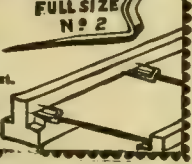
American Florist Co.,

324 Dearborn St., CHICAGO.

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SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Holds Glass Firmly
See the Point & **PEERLESS**
Glassing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DEER,
914 Chestnut St., Phila., Pa.



Automatic Electric Condensation Pump.

Heating troubles and problems are a great nuisance to many florists and the automatic electric condensation pump which has been placed upon the market by the Chicago Pump Co. is especially designed to be used in places where the heating returns are below the boiler level, or the steam heating apparatus is defective, or too small to afford the necessary degrees of heat. In heating plants where, through the settling of piping, water pockets have been formed, or through lack of attention the greenhouse is insufficiently heated this pump affords an instant and permanent relief.

This pump draws the condensation and air through the return pipes, which in turn fills the heating system with hotter steam, causing the piping to heat up quickly and the returning of hotter water to the boiler. By this system the greenhouses can be heated much more rapidly, and a proper amount of heat maintained at all times with a very small steam pressure, and will save one-half the firing and 20 to 50 per cent of the coal consumed, and it also prevents all water hammering and pounding.

The entire installation can be placed near the boiler, occupying but little space and requires no attention, save oiling the motor once a week. The cost of operation is so small that it is hardly to be considered and the installation of one of the pumps will pay for itself in less than one winter's time.

Greenhouse Building.

Biddeford, Me.—The Strout Co. are adding a new greenhouse to their plant.

Barraboo, Wis.—William Puck addition, 20x40 feet.

Stockbridge, Mass.—Miss Ellen King, one greenhouse, 17x40 feet.

York, Me.—W. G. Moulton & Son, one greenhouse, 10x90 feet.

Clinton, Mass.—Willis A. Fuller, one house 40x130 feet.

Chicago.—Globe Greenhouses, one span-proofed house 23x105 feet; one lean-to 11 $\frac{1}{2}$ x105 feet.

Warren, O.—Thomas Fletcher, two houses 9x25 feet.

Albany, N. Y.—Byron C. Holmes, one house 25x116 feet and one house 18x116 feet.

Duluth, Minn.—Superior Floral Co., two greenhouses, 20x100 feet.

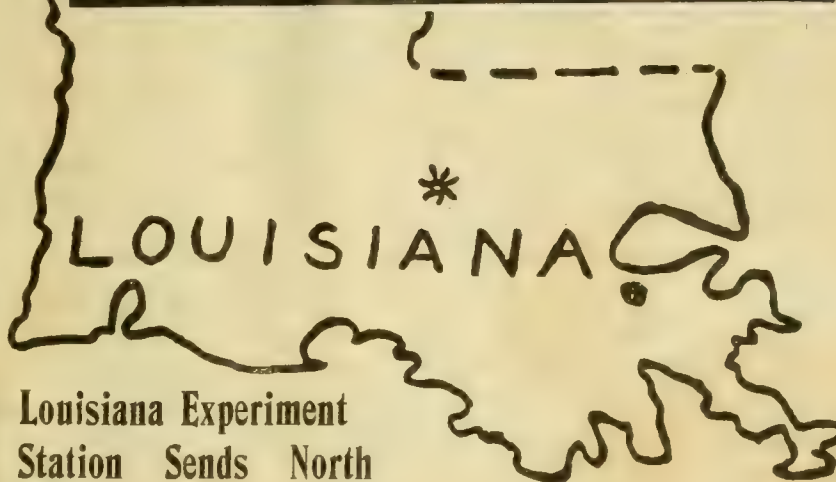
Saginaw, Mich.—Chas. Frueh & Son, one house, 30x142 feet.

GREEN BAY, WIS.—A Van Gemert, one house, 40x140 feet.

Chicago.—Wm. Harbitz, two houses, 25x50 feet each.

St. Louis, Mo.—Robert Winkler, one house, 25x100.

TORONTO, ONT.—George Hollis, one house, 21x160.



Louisiana Experiment Station Sends North For Their Greenhouse

It is a good many hundred miles from Irvington, N. Y., to Baton Rouge, to ship materials for an iron frame palm house and wings. It costs money. But if California, Colorado, Texas and such far western states think our materials are worth paying the freight on, it is only logical that the nearer-by states do not hesitate to do it. The truth is, freight charges

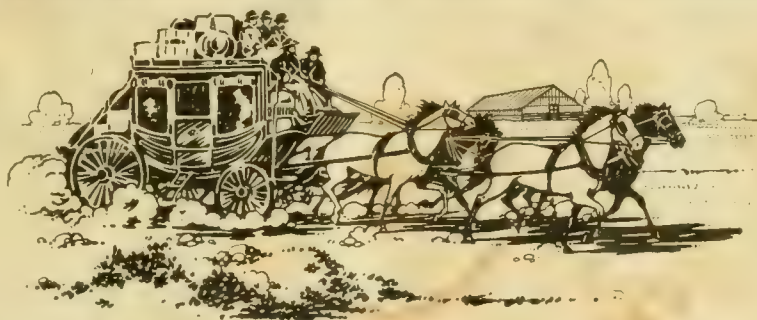
don't prevent people from buying the best greenhouse there is, when it is the best they want. After April 1st, all western orders will be filled direct from the Chicago factory. That means a thousand miles haul cut off the freight charges. Send to our nearest office for a catalogue. It shows houses we have erected from coast to coast.

Lord & Burnham Co.,

IRVINGTON, N. Y.

New York
St. James Building.
Philadelphia
Reed Building.

Boston
Tremont Building.
Chicago.
The Rookery



Don't Go Back to Stage Coach Days

Suppose your grandfather did ride in them and made money—suppose your father did build wooden houses and made money—what of it? That was then, this is now! What chance has a stage coach today? Answer: About the same chance that a wooden house has with Hitchings Iron Frame House. That is, if you want to get anywhere and want to cut down repairs—grow top notch stock and have money in the bank. Write us.

Hitchings & Company

ELIZABETH, N. J. and
1170 Broadway, N. Y.

Hot Bed Sash

Excellent Quality at Bargain Prices.
Size: 3 ft. by 6 ft., 1 $\frac{3}{4}$ -inch thick.

Prices—GLAZED HOT BED SASH.

Clear Western Soft Pine.

10-A-G-88—Single lots. Price each.....\$1.67

10-A-G-88—Dozen lots or more, each..... 1.60

Clear Louisiana Red Cypress.

10-A-G-88 $\frac{1}{2}$ —Single lots. Price each .. 1.68

10-A-G-88 $\frac{1}{2}$ —Dozen lots or more. Price each..... 1.62

Prices—OPEN HOT BED SASH.

Clear Western Soft Pine.

10-A-88—Price, single lots, each96c

10-A-88-B—Price in lots of 1 dozen or more, each90c

Clear Louisiana Red Cypress.

10-A-88-C—Price, single lots, each.....\$1.00

10-A-88-D—Price in lots of 1 dozen or more, each 95c

All prices for material named are F. O. B. our yards or delivered to any depot or dock in Chicago. Prompt shipment and safe delivery guaranteed.

Send for our new 1000-page Catalog No. 47.

Free upon request.

Chicago House Wrecking Co.
35th and Iron Sts., CHICAGO.

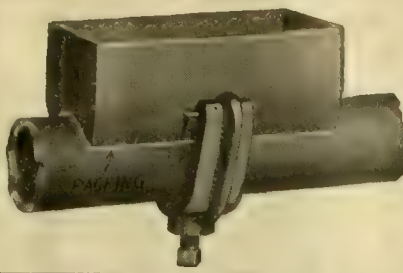
Syracuse, N. Y.

An important meeting of growers and dealers in roses is to be held in this city on January 21, at the Y. M. C. A. With this gathering it is hoped by those interested to form a permanent organization of florists and gardeners for the purpose of holding flower shows at different times. The paramount purpose of the meeting is to arrange for a rose show to be held in this city next June, with a possible strawberry show as an auxiliary. Rev. D. B. Mills of this city, a prominent clergyman, and district superintendent of the Methodist Episcopal churches, is the moving spirit in the affair and he hopes for a hearty response, not only in Syracuse but throughout Central New York. Assisting Dr. Mills is Henry Youell, who is well known to florists and gardeners all over New York State. Speaking of the association he said: "Other cities, including Rochester, Albany and Buffalo, have their horticultural associations, but Syracuse has always been very backward in this matter. These monthly shows are held free to the public and noted growers all over the country send seedlings to be shown. This keeps the public in touch with any new flower that may be grown—carnation, rose or whatever it may be. Then they have large shows each year, to which an admission is charged." These shows are declared to be not only an educational feature but will stimulate trade among the florists, for people seeing and becoming familiar with the flowers will unquestionably purchase more. Mr. Youell believes that a permanent organization here, with amateur gardeners as association members, would be of great benefit to all concerned.

One of the most attractive retail stores in Central New York is that opened recently by W. E. Day & Co., in the magnificent new Onondaga Hotel building, South Warren and East Jefferson streets. The store faces on the Warren street side. It is handsomely decorated and well stocked and Mr. Day, who is personally in charge, declares that the trade has opened up well.

A. V. B.

RENO, NEV.—Fred J. Fischer reports the holiday trade as about the same as last year. The prices were higher both at wholesale and retail. The supply of roses, carnations and violets was equal to the demand, and there was no bulbous stock, the quality being about the same as at previous Christmas. There was an increased demand for poinsettias, but not much call for plants.



Bate Evaporator

Easy to Install. It Will Save Time and Money.

Does the work thoroughly. Makes fumigating an easy task. Fumigating will not have to be done so often. Can be put on the pipes any place in the house. Takes only a minute to fasten it to the pipes. This system of fumigating does not leave any tobacco odor on the flower. Not one drop of the insecticide is wasted, all being properly evaporated. Try one and be convinced.

Single pan, 60c; per dozen \$6.60; in larger quantities, per pan, 50c. The following sizes we carry in stock: 1-inch 1 $\frac{1}{4}$ -inch, 1 $\frac{1}{2}$ -inch, 2-inch. Larger sizes made to order.

THE CLEVELAND CUT FLOWER CO.,
227 High Ave., Cleveland, Ohio.

Mention the American Florist when writing



SPLIT CARNATIONS

Quickly, easily and cheaply Mended. No tools required.

Pillsbury Carnation Staple

2000 for \$1.00 postpaid.

I. L. PILLSBURY

Galesburg, Ill.

Windsor Ont.

Mention the American Florist when writing

Superior Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents Postpaid. Sample free.

L. J. WAITE, 293 Main St., Springfield, Mass.

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OUR GREATEST OFFER

An opportunity to obtain an absolutely free membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

National Florists' Board of Trade, 56 Pine St., NEW YORK

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KRICK'S

Florist Novelties

Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.

CHAS. AUG. KRICK, 1164-66

Greene Avenue,

BROOKLYN, N. Y.

Every letter marked.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

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Gorham & Chapline Printery Inc.

CATALOGUES PRICE LISTS.

HALFTONES, ENGRAVINGS and

PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS,

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

GREENHOUSES

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER.

THE A. J. STEARNS LUMBER CO.,

NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

Boilers OF HIGH GRADE... For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

Florists' Ice Boxes

Manufacturers and Dealers of

Store and Office Fixtures.

Tel. Monroe 5616.

Mention the American Florist when writing

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary

SADDLE RIVER, N. J.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWLE, Berlin, N. Y.

Sample free.

For sale by dealers.



ADVANCE MACHINES

combine quality, strength, simplicity, neatness and all the other elements that are required to make a ventilating machine the best on the market.

Our Catalog H. illustrating and describing our apparatus and greenhouse fittings will be sent free to any address upon request.

Compare our prices with others—it will do no harm.

We assure you that your orders or inquiries will receive our prompt and careful attention.

THE ADVANCE CO.,
RICHMOND, IND.

Mention the American Florist when writing

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

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EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog.
Quaker City Machine Works,
Richmond, Ind.

Steel Return Tubular Boilers

The Most Economical Type of Boiler
for Greenhouse Heating. Highly
recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St.,
NEW YORK.

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers,
etc. Protects from frost. Best shade in
summer. Sold by leading seedsmen.

Waterproof Sheetings, Hay Caps, Etc.

KENRY DERBY, 123 F. Chambers St., New York.

The Regan Printing House LARGE RUNS OF CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place,

CHICAGO

Trade Directory

Of The United States and Canada
Price \$3.00.

American Florist Co., 324 — Chicago
Dearborn St.,

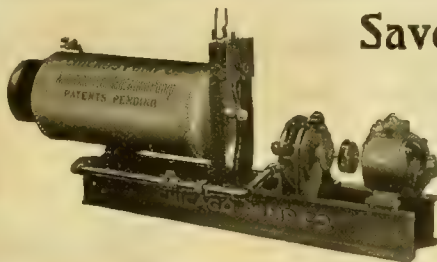
Greenhouse Construction

We know the business scientifically
from study and great experience, if
you are seeking for dependable and up-to-
date Construction consult

King Construction Co.,

NORTH TONAWANDA, N. Y.

Chicago Pump Co.'s System of Intermittent Vacuum Heating Saves 20 to 50% Coal



Pulls water and air out of the
Heating System. Pulls Hot Steam
through the Piping and pumps
the water into Boilers at the
same time. Easily installed. Re-
quires no attention.

Write for full descriptive Bulletin
and our 30 day free trial offer.

CHICAGO PUMP CO.,

1061 Fulton St.,

CHICAGO.

Mention the American Florist when writing

CYPRESS

Is a wood that has come into very general use in
Greenhouse Construction, Benches, Frames,
Interior or Exterior Use.

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

Mention the American Florist when writing

Greenhouse Material and Sash

Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons,

Established 1871.

1361-1383 Flushing Ave Brooklyn, N.Y.

Mention the American Florist when writing

— BURNED CLAY —
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.

Garfield Bldg.,

Cleveland, O.

Mention the American Florist when writing



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful free catalog No. 72 which shows refrigerators for florists, both stock and built-to-order in all sizes and styles.

MCCRAY REFRIGERATOR CO.,

269 LAKE ST., KENDALLVILLE, IND.

Chicago Office: 55 Wabash Ave.

New York Office: 231 West 42nd St.

H. BAYERSDORFER & CO.



1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



For Photographs of Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y.

Toledo, O.

Christmas was much better than previous year, increased sales in cut flowers and plants are reported from every one. As a consequence retailers as well as wholesalers are pleased, if the sun had had a little more mercy on us, flowers would have been more plentiful, carnations especially are not up to standard as they should be this time of the year. However, whatever there was in cut flowers went off nicely, but more could have been sold just as easily. Plants are selling better every year and the leaders for Christmas were poinsettias, azaleas, cyclamen, primula chinensis and obconica, especially the latter, which are inexpensive. Flowering plants were sold out with the growers long before Christmas and many out of town orders had to be turned down.

NOTES.

A sweet pea show was arranged for the last meeting of our club and prizes were offered for the best cut sweet-peas and the best arranged floral piece of 25 sweet peas and greens. The first and second prize for cut sweetpeas was awarded for Christmas Pink and Florence Danzer to J. Gratoop, other varieties on exhibition were Pink Beauty, Christmas Meteor and Mrs. Wallace. Mrs. S. N. Peck carried off the first

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

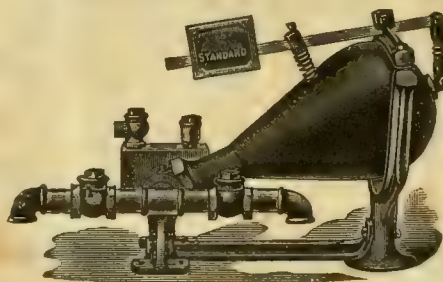
is impossible. If you rebuilding or addi- you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

Mention the American Florist when writing



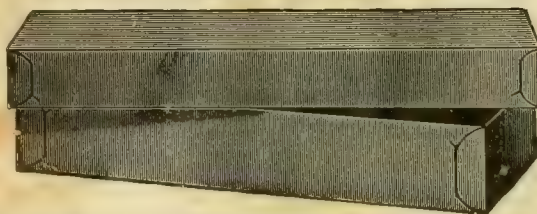
The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Mention the American Florist when writing



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

New Imported Florists' Baskets

Our line of baskets contains many absolutely new designs that have never been seen in this country. It is all freshly imported stock from Europe, and is the work of true artists. Let us send you a sample trial order. We know we can please you. Call and see us when in Chicago. SEND FOR FREE CATALOG.

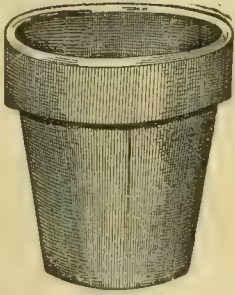
The Raedlein Basket Co.,

713 Milwaukee Ave.,
near Huron St.,

Chicago

prize with a corsage bouquet, made of Mrs. Wallace, Mrs. Mills got 2nd prize for a basket with Christmas Pink. S. N. Peck exhibited a flower each of his first carnation seedlings, both from

Enchantress and Beacon, one is a good red and the other variegated, both appear to be good. New seedlings and introductions of carnations will be on schedule at our next show. SCH.



Pot Buying Time

We have all sizes ready for immediate shipment. Get our prices with packing included.

C. C. POLLWORTH CO., Milwaukee.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

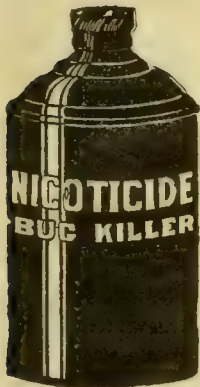
Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards,

Chicago



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to

**P. R. PALETHORPE
COMPANY,**

Owensboro, Ky.

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,

FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

*Green Flies and
Black ones too*

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

SEND FOR CATALOG.

U-BAR GREENHOUSES

PIERSON



U-BAR CO.

DESIGNERS AND BUILDERS

1 MADISON AVE. NEW YORK

PERFECT PLANT FOODS.

THOMSON'S Vine, Plant and Vegetable MANURE

Unrivalled for vines tomatoes cucumbers; all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets etc. to sole makers.

Also Exporters of Pure Scotch Soot. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenfords, Scotland.



The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

Joliet, Ill.

A recent visit to the city of Joliet found the florists all in fine condition, having passed through a prosperous holiday season and with promising prospects. The city is one of the well known carnation centers of Illinois, for here are located two concerns that have acquired national prominence in carnation culture.

About two miles from the city and close beside the Chicago Carnation Co. is located the Thompson Carnation Co., who have a greenhouse plant of twelve houses with an area of 108,000 square feet, besides a commodious office building. The concern makes carnations and chrysanthemums.

The present season two types in which are grown carnations and Marie Louise carnations is looking in very fine condition and the crops are of first quality. The cut from these houses is sold directly to the large retail stores in Chicago and other large cities, shipments being made daily to St. Paul, St. Louis, Kansas City, New Orleans and to many points in Oklahoma and Texas. In the office building a refrigerating plant and equipment was added the past summer which not only keeps the storage room at the proper temperature but can also be used to manufacture the necessary ice to use in packing the shipments. Much of the credit for the high character of the stock at this establishment is due to P. W. Peterson, the foreman of the plant, who is to be congratulated upon the appearance of his place.

Another establishment looking in fine shape is that of Joseph Labo who has a plant of some 35,000 feet in which is grown a general line of stock, for the business of this establishment is principally retail and the stock grown includes carnations, roses, chrysanthemums, violets, lilies, palms, ferns and a full line of bedding plants, which are in very nice condition. Mr. Labo started in 1897 at his present location and by persistent and diligent work has built up a very prosperous business.

An establishment that has developed rapidly in the last few years is that of Larson & Goranson, Inc., starting in 1902 with two small houses, have added two larger ones and have just completed an attractive concrete and stone office building. The houses are well stocked with a good line for general retail work.

Under the name of the Carter Floral Co., C. E. and May F. Carter have recently purchased the former retail establishment of the Chicago Carnation Co. and have a very attractive place well stocked with all the requirements of a first class retail greenhouse. Mr. Carter formerly conducted a greenhouse near Collins street, and Miss Carter has for several years been identified with the Chicago Carnation Co., being in charge of the retail store.

While the concern of C. W. Shepard & Co. make a specialty of landscape work, planning and laying out home and park grounds, yet at 1001 Cass street they have an equipped office and greenhouse in which are raised a large number of bedding plants and ornamental shrubs.

The store of A. C. Rott is always very attractive and the proprietor has acquired an enviable reputation for his original and artistic window displays, as well as for his beautiful floral work, which has attracted to him the best trade of the city. There is always on hand a full line of the best of seasonable stock and a look into the store showed everything in up-to-date shape and a prosperous business enterprise.

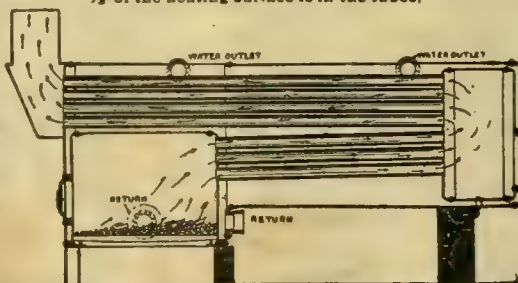
The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{3}{4}$ of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

GLASS

We Manufacture the best Glass made for greenhouse purposes. If your dealer does not have our brand, write us. All our goods are "Hand Made."

W. R. Jones & Company

502 Union Nat. Bank Bldg., COLUMBUS, O.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
Telephones: Lincoln 410 and 41



STANDING CROSS OF LILIES, GALAX AND LILY OF THE VALLEY.

